

# Total Impact 1.8

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## Executive Summary

The impact on average members' handicaps at the 27 clubs analysed is benign, with hardly any change between the current situation and that proposed for September 2013 when the three major initiatives of DSR, SHA and Slope are introduced.

The impact on the pattern of competition between members is also benign, in that the handicap bias among the handicap groups at a club is not significantly changed. In other words, the proportion of high markers winning compared to low markers winning will be virtually unchanged.

Thus it can be said that the Total Impact of the changed produces no adverse consequences among the members of a club.

A benefit of DSR for those clubs that have seasonal variation in their member handicaps is that it reduces this significantly. In turn this provides a more equitable experience when visitors with previously seasonal handicaps of plus or minus two strokes play at clubs which are less seasonally impacted. Also the proportion of members that are anchored is significantly reduced, usually to less than 5%. This then permits the anchor to function as originally designed, namely to limit handicap rises when form deteriorates rather than underlying ability, and not be a limit on seasonality.

It should be noted that even with the DSR in place, there are a few clubs where the proportion of anchored rounds will still be over 10%. If the anchor was increased from four to five this would have a dramatic impact, making "being anchored" truly exceptional.

It was not initially part of the scope of this study to look separately at visitors to a club. Peter Preston proposed the concept of using visitors' scores to estimate a course's Scratch Rating (SR) and Bogey Rating (BR), from which Slope is calculated. This is an alternative and potentially more accurate method of estimating Ratings than the USGA method, which starts with physical measurement and estimation, and then determines the ratings based on certain rules and calculations. Preston and Maher have developed this concept into a system that can be used to investigate the effects of the introduction of new Scratch Ratings, Bogey Ratings and Slope into Australia, particularly in relation to the effect these ratings will have on the pattern of competition between Members and Visitors.

Initial findings are that there is a dramatic problem lying in wait for the system if there are errors in the measurement of SR and BR at clubs. And it is clear from the analysis so far that such errors are virtually certain to exist. What if it became "regular fare" that the visitors were scooping up all the prizes, such as is the case of Victoria Golf Club, where we have measured a 214% bias in favour of visitors off the blue tees, compared to the members with an 86% bias? Might not this lead to a crisis of confidence of similar magnitude as the ill-fated Ten-20 system?

As an example, there is one player, whose home club is not Victoria, and thus is classed as a visitor (he may have dual membership), who plays quite frequently at Victoria, a total of 115 times over the three years in the data set. In the analysis, visitors' handicaps are calculated on all the courses they play at, excluding Victoria, so as to keep the result "clean". Under the existing system he has been in the top 20% of the field an appropriate 21% of the time, and actually won four times. Under the September 2013 system, with new scratch ratings and slope, he would be in the top 20% of the field 51% of the time, and would win a staggering 13 times.

There is a solution. The recommendation is that Preston and Maher first complete the analysis of the 27 clubs in the Total Impact Study, and refine the theory if necessary in the light of a fuller data set.

This analysis will then in turn provide not only the tees at these 27 clubs that may need revision, but also a list of the clubs that are contributing to the visitors' bias at the 27. Data can then be extracted for these clubs, the tees needing revision flagged, and if appropriate amended, prior to September 2013.

In other words, each estimation process will point to other clubs which may need attention – a process that will be far more economical in time than trying to estimate all the courses.

Ultimately it should be possible to define rules in GolfLink so that a periodic exception report could be generated of tees where the GolfLink generated estimate of SR and BR differs from the measured rating by a given margin. This would require enough time for the GolfLink data to be in the Sept 2013 format, so useful results might not be able to be produced before 2015.

## Introduction

This paper describes the results in an exercise to model the “Total Impact” of the three major changes proposed for the Golf Australia Handicap System. These changes are proposed to be implemented in 2013.

In March 2010, the USGA Ten20 system was introduced. A revised system, The Eight20 System, was introduced in September 2011. Its components consisted of

- Best Eight of the last twenty rounds
- Averaged and multiplied by 0.93
- Each round capped to 40 (M) and 50 (W)
- Handicaps anchored to be no more than 4 more than the best handicap over the last twelve months.

In addition, as courses have been rated under the USGA system, each has been assigned a new Scratch Rating. USGA Slope has also been measured, but not yet used. But the new Scratch Ratings have been in use for some time, being implemented progressively as they were ready.

The three major new changes for 2013 are

- Implement the Daily Scratch Rating (DSR)
- Implement the Stableford Handicapping Adjustment (SHA)
- Implement Slope.

The modelling has been primarily concerned with the impact on Average Handicaps, and the impact on the pattern of Competition. Previously introduced concepts, which were used in the development of the Eight20 system, are Handicap Bias and Tilt.

If the players in a handicap group of, say, 11 to 15, represents 10% of the field, but wins 12% of the time, this group is said to have a Handicap Bias of 120%. A related concept of Weighted Handicap Bias was also introduced. In the case here, the additional “winning” of this group is 2%.

When the weighted biases of the various groups is plotted on a graph, a useful way to describe the overall pattern of bias is to compute the line of best fit and use its gradient. This gradient is multiplied by 1000 to make the numbers more manageable, and this is called the Tilt. The Tilt can then be used to measure the impact of different rule changes on the pattern of competition.

Similarly the change in average handicap can be used to measure the impact of different rule changes; however it is not obvious how this would impact competitions. Tilt does this.

There are similar concepts of handicap bias and tilt which can apply to prize-winners – taken to be the top 20% of a competition.

As a general rule, the tilt for prize-winners will be more in favour of the lower markers than it will be for winners. High markers win when they have a great one in fifty round, and the high standard deviation of their results overcomes the 0.93 bonus for excellence hurdle they have to overcome. Whereas one or two might have exceptional performances in a given competition, it is not likely that they will dominate the top 20%.

So using the concepts of Tilt and Average Handicap movement, we are able to assess the impact of the Sep 2013 initiatives on the pattern of competition among the members at the twenty seven clubs, and infer the impact for the golfing community in general.

There is a further element to consider, namely the impact of the Sep 2013 initiatives, in particular slope and the new scratch ratings, on the pattern of competition of members compared to visitors.

## Scenarios

The datasets consist of all member rounds over the three years from March 2009, for 27 Clubs. Of these 25 were the same as in the original 2011 study leading to the introduction of the Eight 20 system.

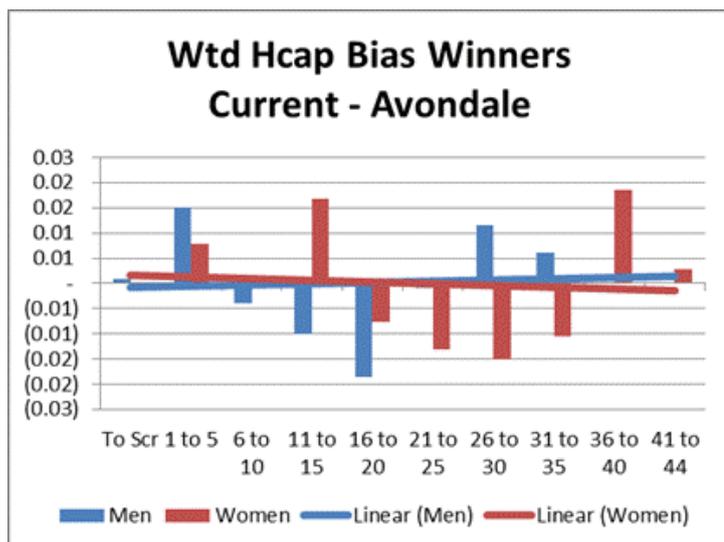
There are eight relevant scenarios. Scenario 5, Add Anchor is where we are at present. Scenario 8 includes the three proposed 2013 changes, and thus is a measure of the Total Impact.

Scenario	Name	Description	
1	Ten20	The System Introduced in April 2010	The 2010 System: Ten20
2	Eight20	Four new components were added to get the System which was introduced in September 2011. In these scenarios they are added cumulatively to get the:	
3	Eight20 + Cap		
4	Add New SRs		
5	Add Anchor		The Current System: Eight20 C&A
6	Add DSR	Three new components will be added to get the:	
7	Add SHA		
8	Add Slope	System to be introduced in September 2013	The 2013 System: Total Impact

## Avondale Example

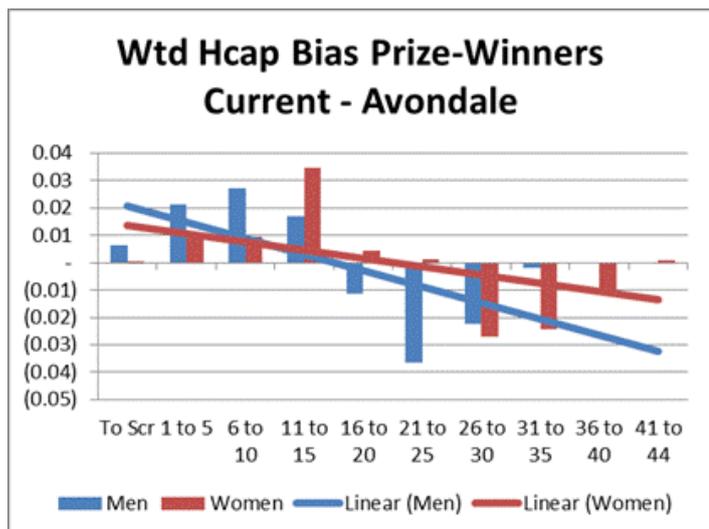
Consider Avondale as an example. All the clubs in the sample are presented later in the Appendices.

Here is an example of Tilt for Scenario 5, the Current System.

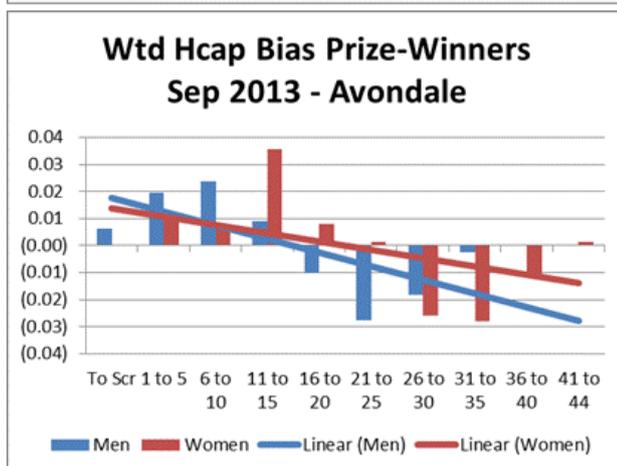
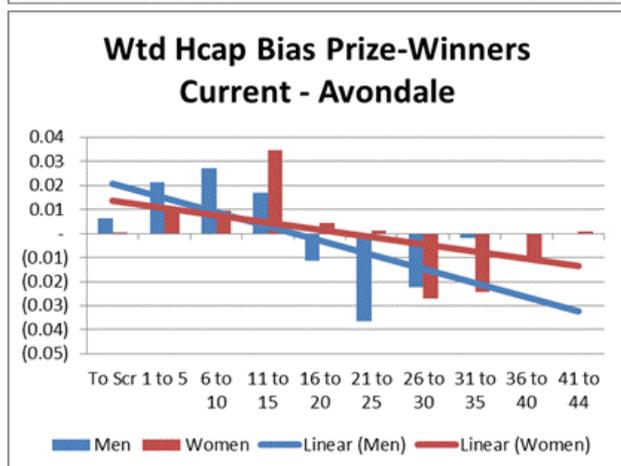
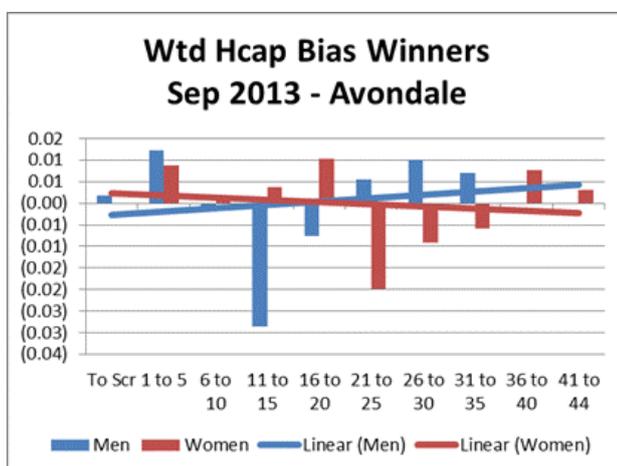
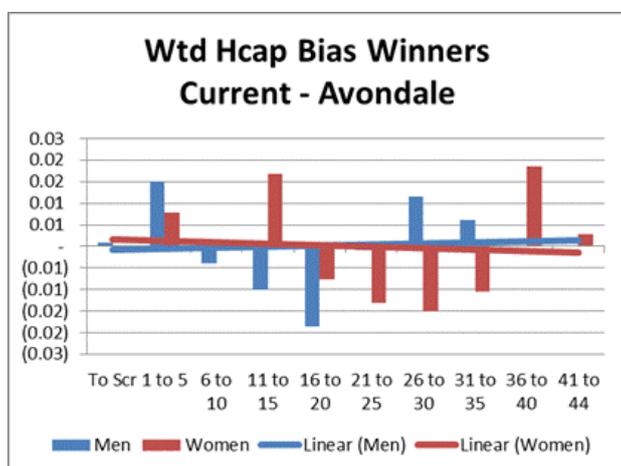


The tilt for Men is slightly positive, favouring the higher markers, and for women is slightly negative, favouring the lower markers.

Here is the prize-winner Tilt. As expected it is more negative, favouring the low markers.



In the next pair of charts the Current is compared to Sep 2013. There is some change, but overall not much.



It should be remembered that the Tilt is a very sensitive measure. It takes very little to move it.

The results for Avondale over all eight scenarios are shown below.

The Term SPO Handicap refers to the Sloped Played Off Handicaps – these are used as they are comparable throughout the eight scenarios: the Played Off Handicaps in Scenarios 1 through 7 being *de facto* “Sloped” and the Played Off in Scenario 8 being the Sloped Played Off calculated from the GA exact Handicap.

Avondale								
Scenario	Description	Status	Win Tilt M	Win Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	51.6	26.6	(30.8)	(13.7)	17.5	26.5
2	Eight20		4.6	3.0	(59.9)	(28.6)	16.4	25.1
3	Eight20 Cap		4.6	2.9	(59.9)	(28.6)	16.4	25.1
4	Add NewSR		5.0	0.1	(54.3)	(28.8)	17.1	24.0
5	Add Anchor	Current	2.3	(3.4)	(58.9)	(30.1)	17.0	23.9
6	Add DSR		6.6	(0.8)	(52.2)	(29.4)	17.2	24.1
7	Add SHS		1.8	(5.7)	(53.5)	(31.0)	17.2	24.0
8	Add Slope	Sep 2013	7.8	(5.1)	(50.7)	(30.9)	17.2	23.9
Impact of DSR, SHS & Slope								
6 v 5	Add DSR		4.2	2.5	6.7	0.7	0.23	0.16
7 v 6	Add SHS		(4.8)	(4.9)	(1.3)	(1.6)	(0.03)	(0.13)
8 v 7	Add Slope		6.1	0.6	2.8	0.1	(0.05)	(0.03)
8 v 5	Total Impact		5.5	(1.7)	8.3	(0.9)	0.15	(0.01)

Apart from the change from Ten20 to Eight20, the movements in the Win Tilt Men are minute. In fact all the movements, apart from the first, are very small.

You can also see that the movement in Sloped Played Off handicaps are likewise very small, or not at all in the case of Women from Current to Sep 2013.

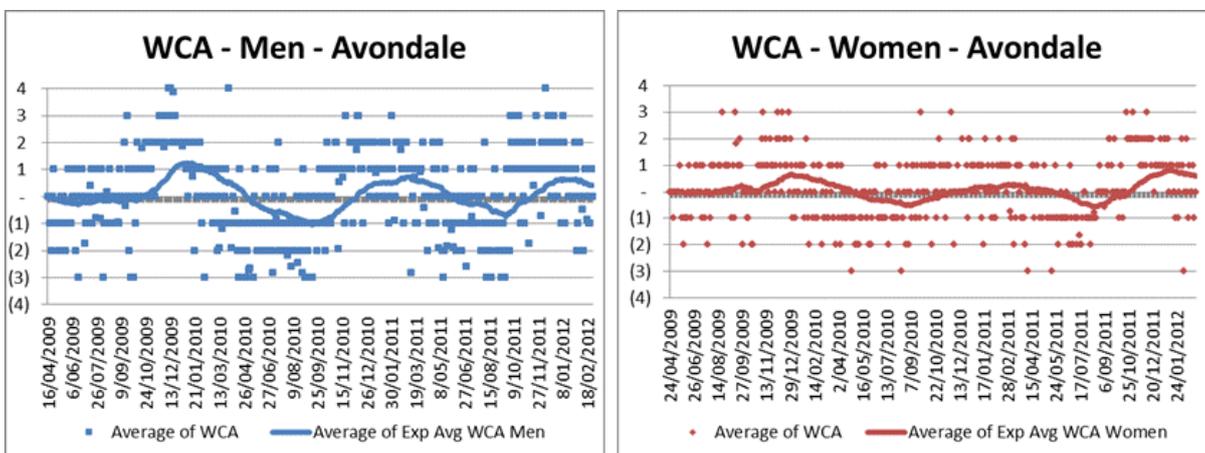
### DSR Pilot

Whereas the pattern of competition is able to stand as an analysis on its own, the DSR results need to be compared to actual conditions in the field in order to be satisfied that they are relating well to the observed conditions. To this end a set of 10 clubs was chosen for the DSR Pilot Study which commenced in February 2012. Subsequently a further three clubs were added.

Actual results were gathered on a daily basis, and the computed DSR advised to club administrators shortly thereafter.

Firstly we can state that the measure has exhibited good stability over the period to December 2012. The seasonality expected has been apparent, and the technical parameter, the CPA, has achieved the objective of keeping the variation of the DSR cycling around the official SR.

Here again is Avondale as an example.



In this chart what is plotted is the difference between the SR and the DSR. In the DSR Pilot, this is referred to as DSR v SR. In the work underpinning DSR it is referred to as the WCA (Weighted Condition Adjustment) being the number of strokes to add or subtract from the SR to get the DSR.

Also plotted is an exponential moving average of the WCA, which shows how it is trending at that time.

Secondly, the results being fed back to the Pilot Clubs have met with good acceptance. Some issues have been raised, for example some four-ball results were being processed as individual results – these have been fixed.

So in summary, the Pilot has been a success, with the theory aligning well with the practice.

## DSR History

Whereas some of the clubs in the data-set have been included in the DSR Pilot, most have not been. So an added benefit in this Total Impact Study for these clubs is to see the DSR that would have been calculated over the three years. These are included in the Appendices. Again good stability is evidenced.

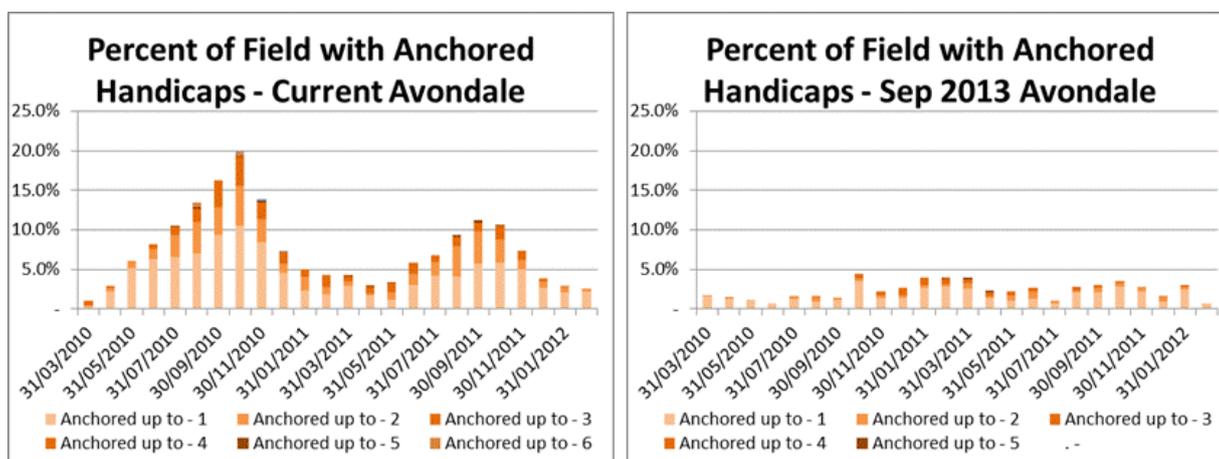
## DSR Assists Portability

It is clear from the DSR figures, that for frequent players, their handicaps currently will evidence the same seasonality as the DSR pattern, namely up to plus or minus two strokes. For those clubs that have seasonal variation in conditions, when DSR is introduced there will be a material improvement in stability of member’s handicap over the year. So when members from a seasonally impacted club play at a less impacted club they will compete more equitably.

## Impact on Anchor

A significant impact of the DSR is to reduce the impact of anchoring.

Here is the impact, again comparing Current to Sep 2013.



A similar pattern is apparent for all the clubs in the study, and their charts are included in the Appendices.

It should be noted that even with the DSR in place, which substantially reduces the number of players who become “anchored” in the winter, usually to less than 5% as above, there are a few clubs where the proportion of anchored rounds will still be over 10%. If the anchor was increased from four to five this would have a dramatic impact, making “being anchored” truly exceptional.

## Pattern of Competition – Members

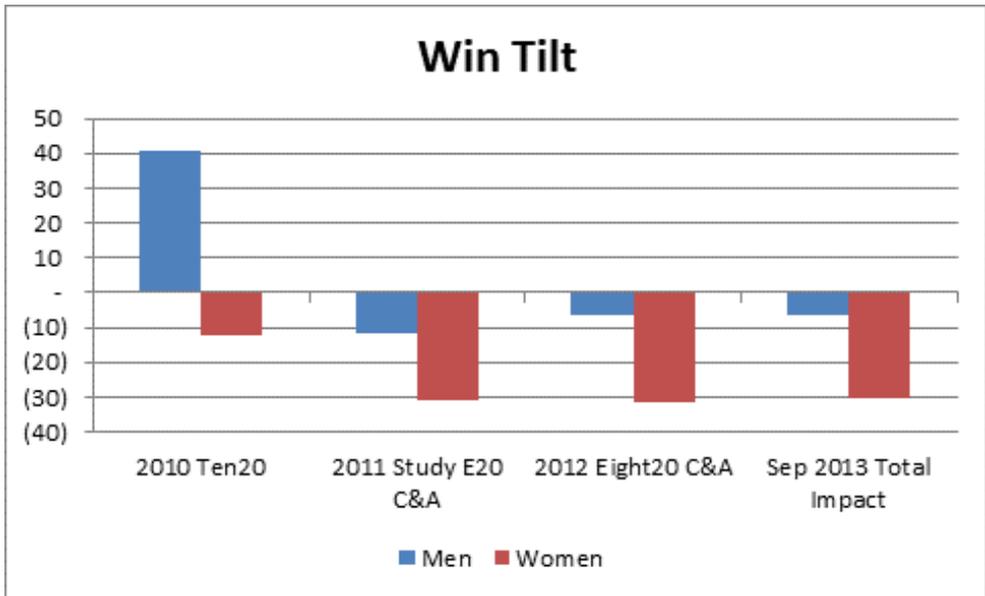
Here is a comparison of Win Tilt for all 27 Clubs.

The 2010 Ten20 column is the simulated Ten10 result from the new current data. The 2011 Study E20 (Eight 20) is the result from the 2011 study using the data relevant to that study. The 2012 E20 result is based on the new current data set. It differs slightly from the 2011 result in that the data is different, and also the new Scratch Ratings have been introduced in the new data. The Sep 2013 result is what would have been the case, using the current data, if the Sep 2013 initiatives had have been in place.

Comparison of the Impact of proposed changes on Tilt at various Clubs									
Club	Rounds	Win Tilt Men				Win Tilt Women			
Club	Rounds	2010 Ten20 M	2011 Study E20 C&A M	2012 Eight20 C&A M	Sep 2013 Total Impact M	2010 Ten20 W	2011 Study E20 C&A W	2012 Eight20 C&A W	Sep 2013 Total Impact W
Avondale	53,144	52		2	8	27		(3)	(5)
Barcaldine	575	111	23	27	48	6	-	4	3
Belmont	39,236	53	(9)	(14)	0	(19)	(38)	(44)	(41)
Brisbane	41,229	43	(20)	16	13	1	(40)	(18)	(20)
Carnarvon	70,100	40	(16)	(16)	(7)	(13)	(43)	(46)	(46)
Cottesloe	56,480	(6)	(51)	(54)	(51)	(13)	(48)	(32)	(31)
Cumberland	78,939	97	3	41	22	(1)	(39)	(12)	(15)
Grange	139,236	38	(8)	(4)	(9)	(9)	(36)	(27)	(26)
Kingston Beach	17,094	23	(46)	1	(5)	(51)	(31)	(63)	(68)
Kogarah	40,506	33	3	(22)	(39)	(25)	(39)	(43)	(42)
Kooyonga	44,767	23	(29)	(1)	(13)	(40)	(27)	(51)	(52)
Lake Karrinyup	49,633	27	(10)	(24)	(8)	36	14	12	6
Lakelands	75,650	72	3	20	21	(6)	(23)	(8)	(3)
Launceston	28,396	110	(0)	62	66	(21)	(14)	(43)	(42)
Maitland	33,254	10	(0)	(19)	(16)	(20)	(8)	(27)	(27)
Narrabri	9,051	84	(2)	48	21	(5)	(29)	(31)	(38)
New South Wales	30,111	150	86	109	104	(10)	(26)	(23)	(19)
Pacific	65,258	3	(50)	(54)	(48)	(50)	(83)	(70)	(67)
Royal Adelaide	12,107	(10)	(57)	(34)	(29)	(27)	(7)	(41)	(36)
Royal Canberra	93,362	25	(16)	(27)	(29)	(35)	(26)	(44)	(46)
Royal Perth	51,406	(12)		(50)	(55)	(64)		(87)	(78)
Serpentine	6,469	64	9	24	25	(9)	(18)	(25)	(25)
Southern	68,850	54	3	6	6	(26)	(35)	(62)	(54)
Tea Tree Gully	87,067	25	9	(37)	(17)	9	(18)	(12)	(11)
The Lakes	31,835	(9)	(48)	(55)	(43)	11	(13)	(7)	(8)
Trentham	9,668	59	(29)	1	(16)	10	(14)	(9)	(12)
Victoria	35,877	110	(45)	85	75	23	(16)	0	(5)
<b>Wtd Average</b>	<b>1,269,300</b>	<b>42</b>	<b>(12)</b>	<b>(6)</b>	<b>(6)</b>	<b>(13)</b>	<b>(31)</b>	<b>(32)</b>	<b>(31)</b>

The conclusion that stands out is that there is not a huge amount of variation for any club between Current to Sep 2013.

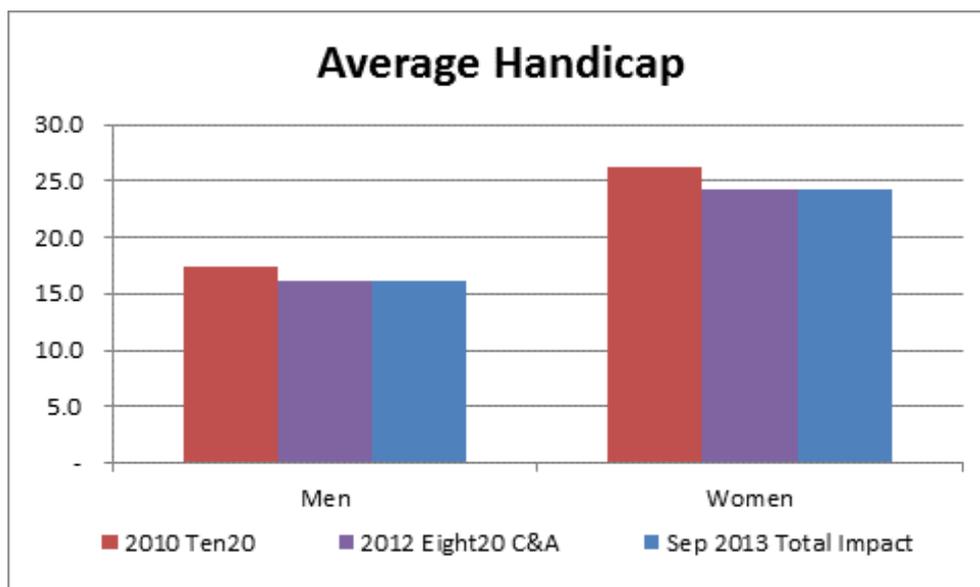
Here is the overall result graphically, where the 2012 and 2013 results are very close.



Similarly the impact on members' handicaps is also very minor.

Comparison of the Impact of proposed changes on Handicaps at various Clubs							
Club	Rounds	E20 Sloped Handicap Men			E20 Sloped Handicap Women		
Club	Rounds	2010 Ten20 M	2012 Eight20 C&A M	Sep 2013 Total Impact M	2010 Ten20 W	2012 Eight20 C&A W	Sep 2013 Total Impact W
Avondale	53,144	17.5	17.0	17.2	26.5	23.9	23.9
Barcaldine	575	15.5	11.4	11.9	21.8	17.2	17.5
Belmont	39,236	18.6	17.3	17.6	29.2	27.5	27.6
Brisbane	41,229	16.2	15.3	15.1	25.0	23.3	23.3
Carnarvon	70,100	16.8	15.6	15.5	25.6	24.1	24.3
Cottesloe	56,480	17.2	15.5	15.3	24.6	23.2	23.2
Cumberland	78,939	18.8	17.5	17.8	28.3	25.9	26.0
Grange	139,236	17.3	16.5	16.5	25.9	24.4	24.6
Kingston Beach	17,094	19.1	17.0	17.1	29.9	26.6	26.5
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Tea Tree Gully	87,067	17.5	15.6	15.6	25.6	23.6	23.9
The Lakes	31,835	17.2	15.3	15.4	24.0	22.0	22.7
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Here again is the overall result graphically, where the 2012 and 2013 results are very close.



We can conclude that the Total impact of the September 2013 initiatives, based on the 27 clubs analysed, will be negligible regarding Members' handicaps, and will also have a negligible impact on the pattern of competition for members.

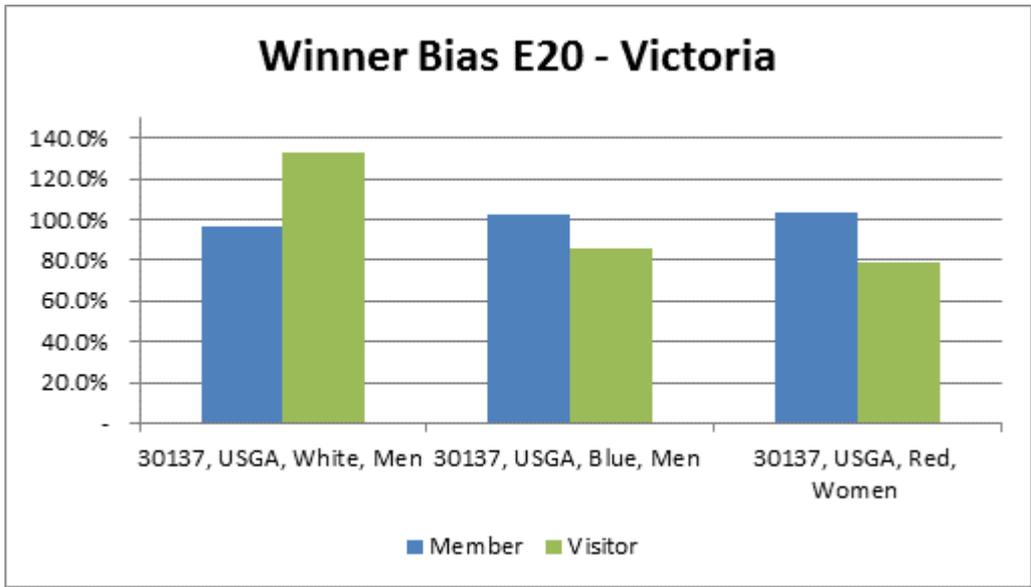
### Pattern of Competition – Members v Visitors

It was not initially part of the scope of this study to look separately at visitors to a club. Peter Preston proposed the concept of using visitors' scores to estimate a course's Scratch Rating (SR) and Bogey Rating (BR), from which Slope is calculated. This is an alternative and potentially more accurate method of estimating Ratings than the USGA method, which starts with physical measurement and estimation, and then determines the ratings based on certain rules and calculations. Preston and Maher have developed this concept into a system that can be used to investigate the effects of the introduction of new Scratch Ratings, Bogey Ratings and Slope into Australia, particularly in relation to the effect these ratings will have on the pattern of competition between Members and Visitors.

Just as one can look at the pattern of competition across handicap groups, one can also look at the pattern of competition between members and visitors. If the visitors represent 5% of the rounds of golf from a given tee at a club, but win 6% of the time, they would be said to have a Handicap Bias of 120%. A related concept of Weighted Handicap Bias was also introduced. In the case here, the additional "winning" of this group is 1%.

A small bias, such as in the example above, would hardly be noticed.

Using the example of Victoria Golf Club, under the current Eight 20 (E20) handicap system the Winner Bias is shown below, for the three main tees there:

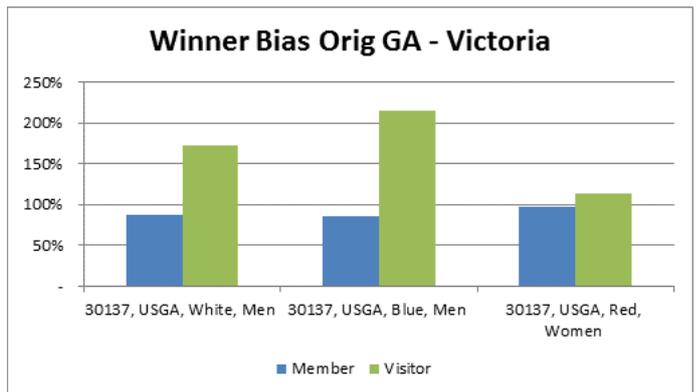
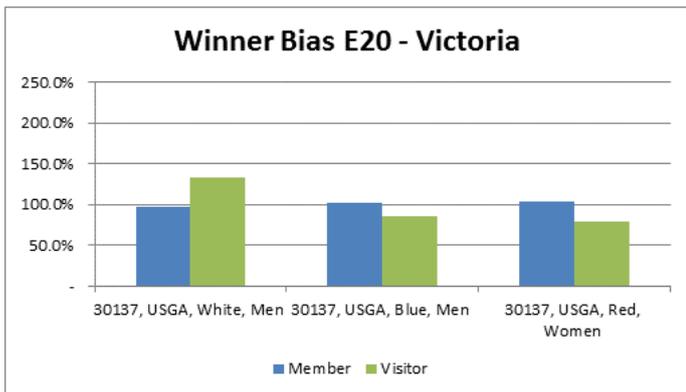


In the analysis, competitions with no visitors have been excluded.

The bias in favour of the visitors for the White tees is not extreme, and that for the Blue and Red tees is in favour of the members. The Preston Maher study also had an initial finding that the Red Women tees there were “under-rated”, specifically the estimate of the SR from the study was 2.5 strokes higher than the USGA determined SR.

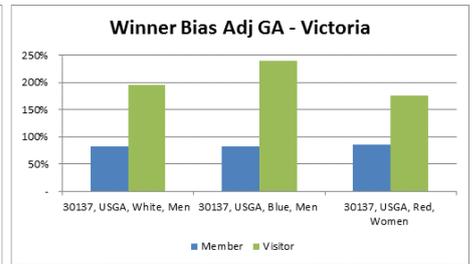
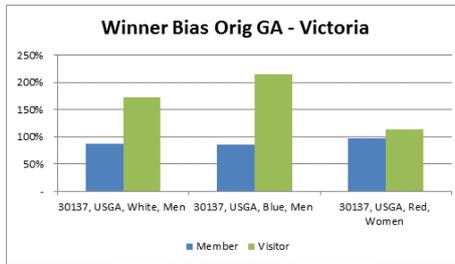
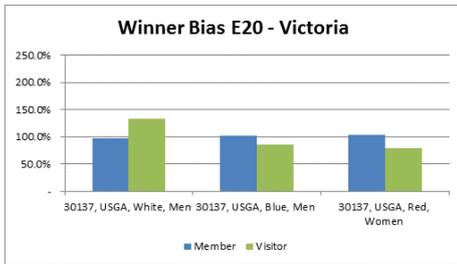
If this was the case, then Victoria Women’s handicaps would currently be a couple of strokes higher than the handicaps for visitors of the same standard. And this would lead to a situation in which it was quite difficult for visiting women to win there. This is borne out in the results shown above, where a visiting woman has a chance of winning which is less than that of a member.

Scratch ratings and Slope are designed to work together to make the experience when visiting other clubs equitable, to give visitors and members equal chances of being rewarded for an outstanding round of golf. When the new scratch ratings and slope are applied to all the various visitors’ tees, the pattern of competition changes dramatically.



The blue tee bias has changed to 214%, the red tee bias has overcome the adverse SR and moved to 114%. The GA handicaps used in this analysis are based on the existing SR, BR and Slope ratings that have been determined for Victoria, and are referred to as “Orig GA” above.

If the ratings at Victoria were amended to the estimates based on visitors’ scores, which mainly impacts the Red tees, and Victorian members’ handicaps adjusted to new values (GA Adj), the problem with visitor bias is exacerbated.



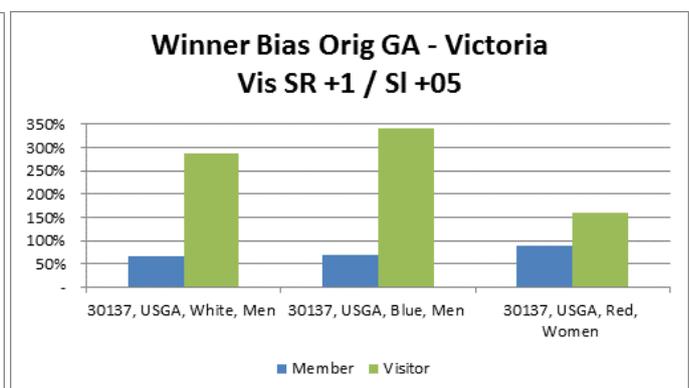
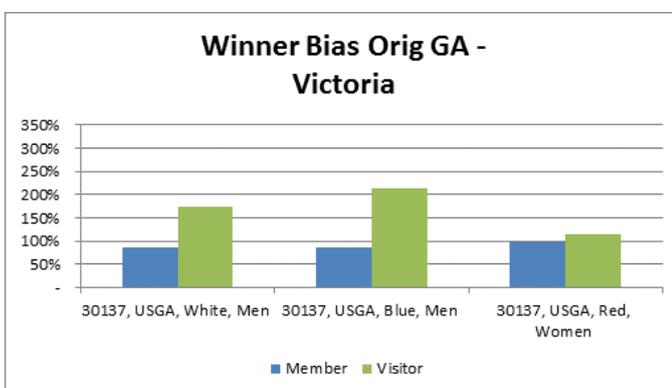
In investigating the underlying causes of such a change, we focussed on the results which were of most impact. A prime example was one player, whose home club is not Victoria, and thus is classed as a visitor (he may have dual membership), who plays quite frequently at Victoria, a total of 115 times over the three years in the data set. In the analysis, visitors' handicaps are calculated on all the courses they play at, excluding Victoria, so as to keep the result "clean". Under the existing system he has been in the top 20% of the field an appropriate 21% of the time, and actually won four times. Under the September 2013 system, with new scratch ratings and slope, he would be in the top 20% of the field 51% of the time, and would win a staggering 13 times.

Essentially the difference between the scratch rating on his club and Victoria used to be one stroke. With the new SRs this difference is now three strokes, and when he plays at Victoria he gets an additional two strokes advantage compared to the members against whom he previously competed.

Another example related to potential errors that may well be corrected independently when the impact is seen to be extreme. In the dataset there is one player who used to play off 17, but, rightly or wrongly, his club's new SR is stated to be four strokes less. The difference between the old SR of 71 and the new USGA SR of 67 takes his handicap to 21. The Slope at home was stated to be (again rightly or wrongly) at 83.6, so his new GA handicap would be  $21 \times 113 / 83.6 = 28$ . When he visits Victoria, its 132 slope means he plays off  $28 \times 132 / 113 = 33$ . Originally he scored 22 points off his handicap of 17. Under slope he would now score  $22 + 33 - 17 = 38$ . Originally he ranked 71st, under the new ratings and slope he would rank 2nd.

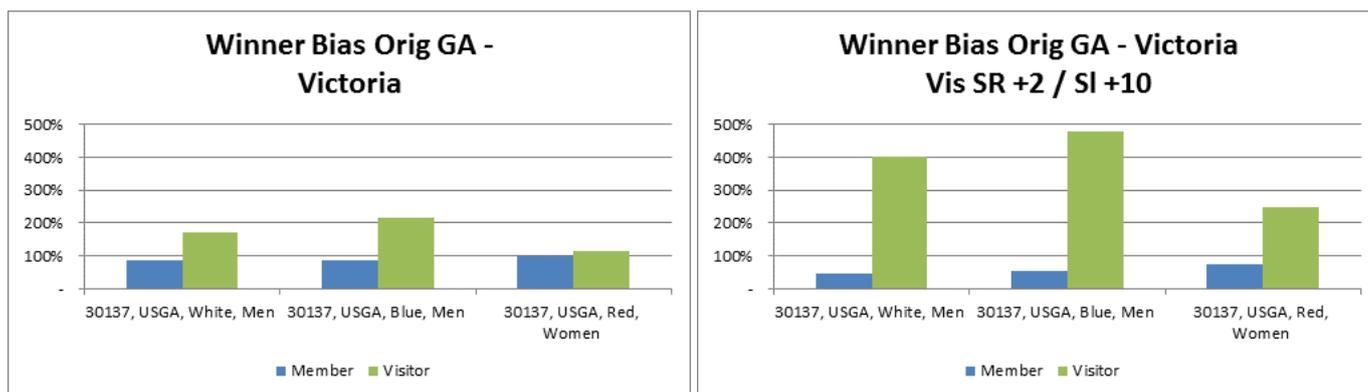
There is a psychological impact here that should not be ignored. This player has an image of himself as a 17 handicapper. His first challenge would be to accept that the new SR at his home course will add four strokes to his handicap. He is now a 21 marker. Then he will get his GA handicap of 28, but may not be too concerned, as he still plays at home off 21. But when he visits Victoria his card tells him he is playing off 33. Will he be pleased or not? Or might he even be angry, and think that there has been an error in the ratings somewhere? Or delighted to get 38 points at Victoria and almost win the day?

How sensitive is the bias to errors in SR and Slope? Suppose, due to errors on their home courses, the Visitors all effectively received one extra stroke and 5 extra for slope (equivalent to an SR error of 1 and a BR error of 2.)



The visitor bias has jumped even further.

And for two strokes and 10 slope:



If it became “regular fare” that the visitors were scooping up all the prizes, or in the case of Victoria, have a 214% bias on the blue tees, compared to the members with an 86% bias, might not this lead to a crisis of similar magnitude as the ill-fated Ten-20 system?

### A way forward

Preston and Maher have completed 90% of the theory on estimation of SR and BR using both members and visitors scores. They use the visitors’ scores to estimate the primary tee for each gender, then adjusted members scores, with handicaps derived only from the newly estimated ratings on the primary tees, to estimate the secondary tees. This has solved the problem of there not being sufficient visitors’ rounds on the secondary tees to get a reasonably low confidence limit on the estimates. They are confident of further reducing the confidence limits by introducing DSR into the results, thus reducing variation, and in turn giving even tighter confidence limits.

The recommendation is that they first complete the analysis of the 27 clubs in the Total Impact Study, and refine the theory if necessary in the light of a fuller data set.

This analysis will then in turn provide not only the tees at these 27 clubs that may need revision, but also a list of the clubs that are contributing to the visitors’ bias at the 27. Data can then be extracted for these clubs, the tees needing revision flagged, and if appropriate amended, prior to September 2013.

In other words, each estimation process will point to other clubs which may need attention – a process that will be far more economical in time than trying to estimate all the courses.

Ultimately it should be possible to define rules in GolfLink so that a monthly exception report could be generated of tees where the GolfLink generated estimate of SR and BR differs from the measured rating by a given margin. This would require enough time for the GolfLink data to be in the Sept 2013 format, so useful results should be able to be produced in late 2014.

## Conclusion

The Total Impact study, as originally scoped, has shown that there are no issues in the pattern of competition for members at the 27 Clubs analysed, nor is there any significant change in handicaps.

The DSR has benefits of reducing the seasonal volatility of handicaps, improving the equity for visitors to less seasonal clubs, and dramatically reducing the number of anchored rounds.

A separate study on estimation of SR and BR from Visitors' and Members' scores has shown that there could be dramatic problems if any of the courses are inaccurately rated. Preliminary results indicate that this is likely to be the case.

A way forward is proposed.

Michael Maher

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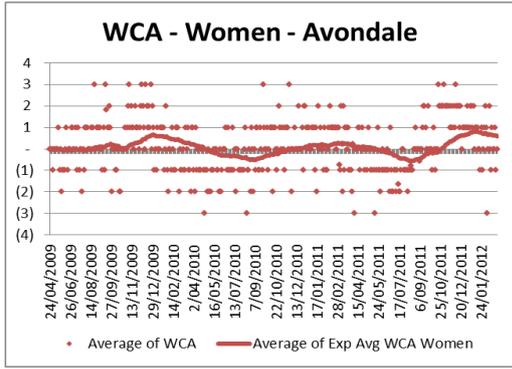
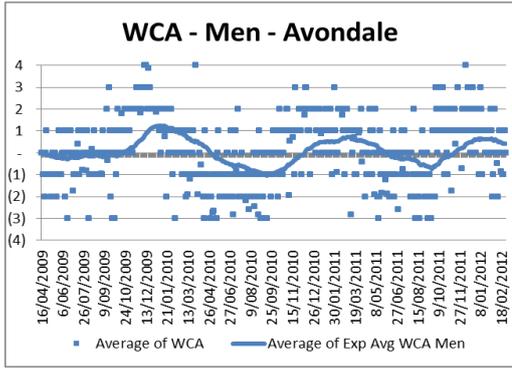
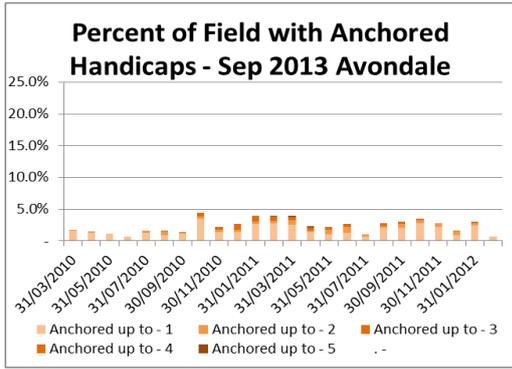
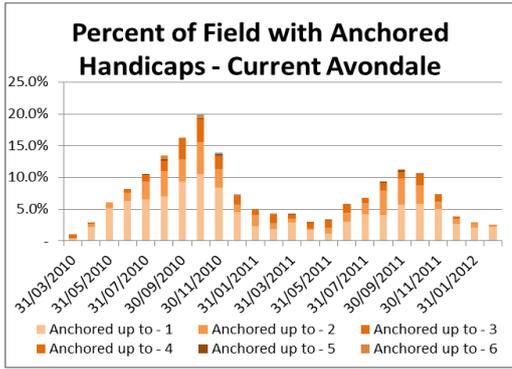
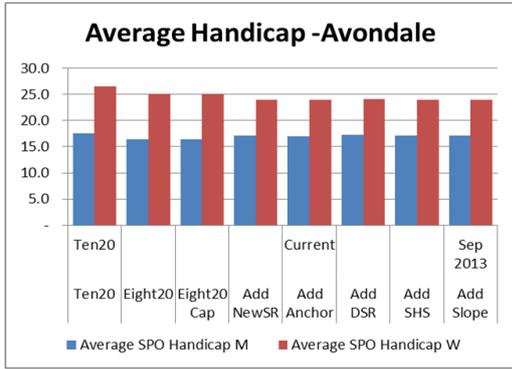
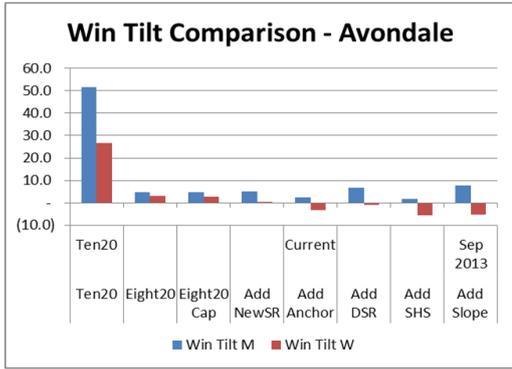
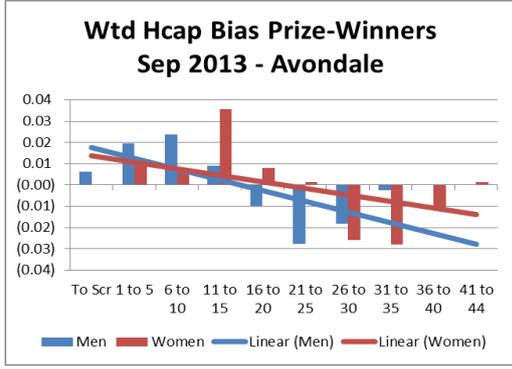
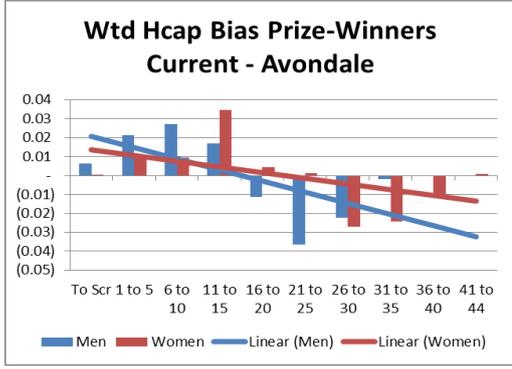
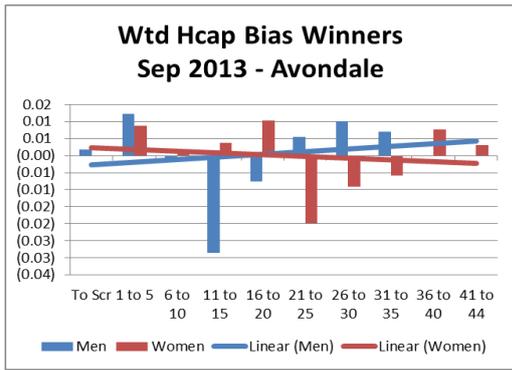
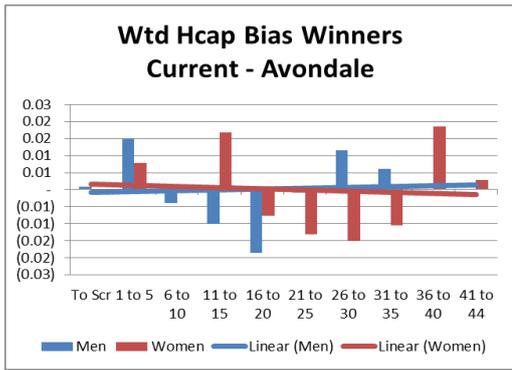


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Avondale								
Scenario	Description	Status	Vin Tilt M	Vin Tilt V	Place Tilt M	Place Tilt V	Average SPO Handicap M	Average SPO Handicap V
1	Ten20	Ten20	51.6	26.6	(30.8)	(13.7)	17.5	26.5
2	Eight20		4.6	3.0	(59.9)	(28.6)	16.4	25.1
3	Eight20 Cap		4.6	2.9	(59.9)	(28.6)	16.4	25.1
4	Add NewSR		5.0	0.1	(54.3)	(28.8)	17.1	24.0
5	Add Anchor	Current	2.3	(3.4)	(58.9)	(30.1)	17.0	23.9
6	Add DSR		6.6	(0.8)	(52.2)	(29.4)	17.2	24.1
7	Add SHA		1.8	(5.7)	(53.5)	(31.0)	17.2	24.0
8	Add Slope	Sep 2013	7.8	(5.1)	(50.7)	(30.9)	17.2	23.9
Impact of DSR, SHA & Slope								
6 v 5	Add DSR		4.2	2.5	6.7	0.7	0.23	0.16
7 v 6	Add SHA		(4.8)	(4.9)	(1.3)	(1.6)	(0.03)	(0.13)
8 v 7	Add Slope		6.1	0.6	2.8	0.1	(0.05)	(0.03)
8 v 5	Total Impact		5.5	(1.7)	8.3	(0.9)	0.15	(0.01)

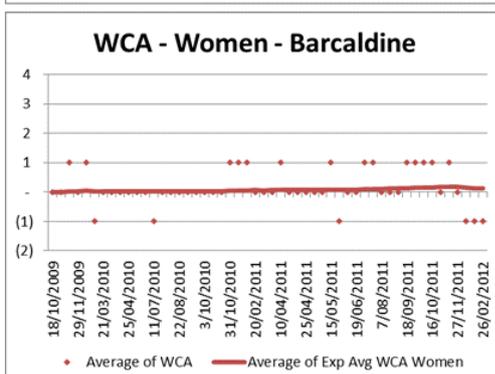
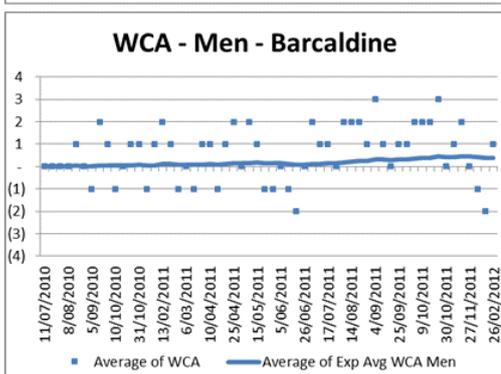
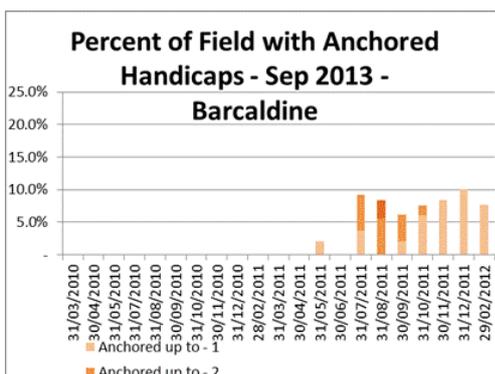
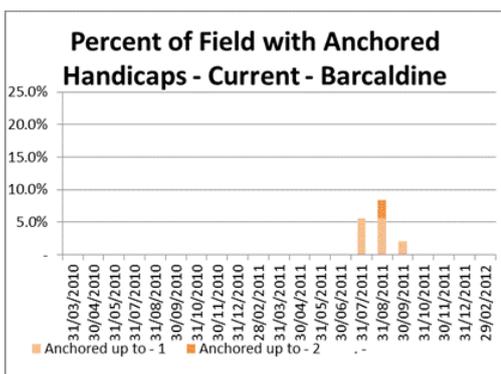
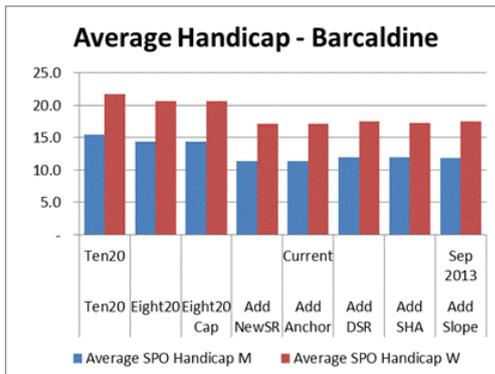
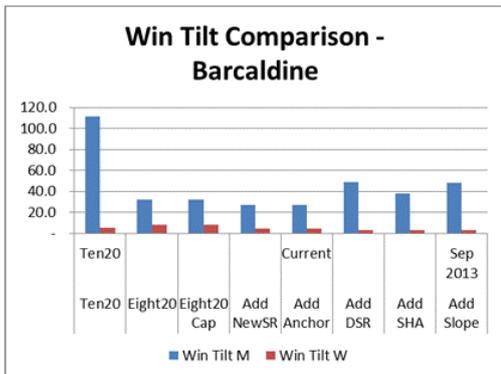
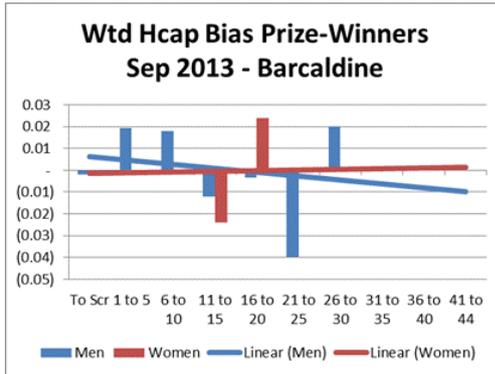
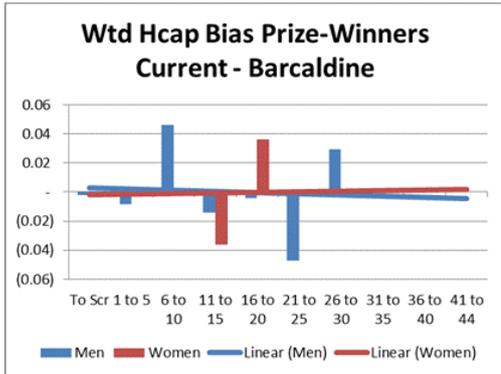
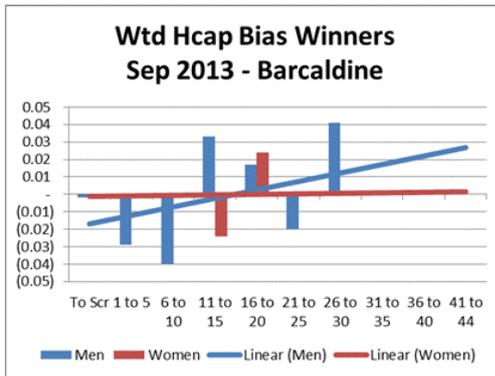
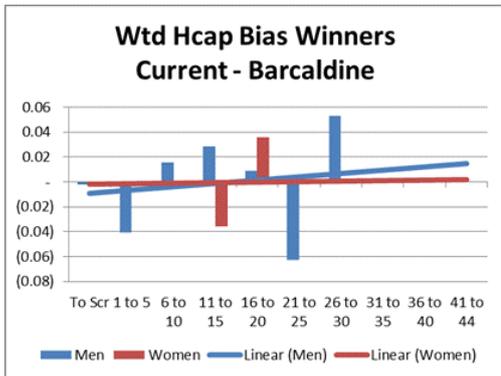
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>20102, USGA, White, Men</b>				
Mens 11th out 11a in	11,757	71.0	70.0	126
Mens 6th out 11a in	720	70.0	70.0	126
Mens Full	20,444	71.0	70.0	126
Mens 15th Out 11a in	1,061	71.0	70.0	126
Mens 14th out 11a in	752	69.0	69.0	126
Mens 2nd out 11a in	642	71.0	70.0	126
Mens 3rd out 11a in	121	69.0	69.0	126
Mens 8th out 11a in	201	71.0	70.0	126
Mens 5th out 11a in	67	70.0	70.0	126
Mens 12th out 11a in	396	70.0	70.0	126
Mens 10th out 11a in	55	70.0	70.0	126
Mens 13th out 11a in	572	70.0	70.0	126
Mens 4th out 11a in	67	71.0	71.0	126
Mens 18th out 11a in	97	70.0	70.0	126
Mens 1st out 11a in	36	70.0	70.0	126
Mens 7th out 11a in	127	69.0	69.0	126
Mens 9th out 11a in	53	69.0	69.0	126
<b>20102, USGA, Black, Men</b>				
Black - Full Course	1,905	72.0	72.0	133
Black - 6th out 11a in	69	70.0	70.0	133
Black - 11th out 11a in	310	71.0	72.0	133
Black - 9th out 11a in	80	69.0	69.0	133
Black - 12th out 11a in	93	70.0	70.0	133
Black - 15th out 11a in	124	72.0	72.0	133
<b>20102, USGA, Red, Women</b>				
Ladies 3rd out 11a in	227	70.0	70.0	126
Ladies 11th out 11a in	4,039	72.0	74.0	126
Ladies Full	6,847	73.0	74.0	126
Ladies 14th out 11a in	311	70.0	70.0	126
Ladies 2nd out 11a in	137	73.0	74.0	126
Ladies 9th out 11a in	59	71.0	71.0	126
Ladies 8th out 11a in	8	73.0	74.0	126
Ladies 6th out 11a in	237	71.0	71.0	126
Ladies 5th out 11a in	175	71.0	71.0	126
Ladies 12th out 11a in	224	71.0	71.0	126
Ladies 15th out 11a in	370	73.0	74.0	126
Ladies 10th out 11a in	11	71.0	71.0	126
Ladies 13th out 11a in	457	71.0	71.0	126
Ladies 4th out 11a in	94	72.0	72.0	126
Ladies 18th out 11a in	145	71.0	71.0	126
Ladies 1st out 11a in	21	71.0	71.0	126
Ladies 7th out 11a in	33	70.0	70.0	126
<b>Grand Total</b>	<b>53,144</b>	<b>71.3</b>	<b>71.0</b>	<b>126</b>



## Barcaldine

Barcaldine								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	111.4	5.5	31.9	5.5	15.5	21.8
2	Eight20		32.0	7.9	(23.6)	7.9	14.4	20.7
3	Eight20 Cap		32.0	7.9	(23.6)	7.9	14.4	20.7
4	Add NewSR		27.0	4.4	(8.3)	4.4	11.4	17.2
5	Add Anchor	Current	27.0	4.4	(8.3)	4.4	11.4	17.2
6	Add DSR		48.6	2.9	(20.9)	2.9	11.9	17.5
7	Add SHA		38.2	2.9	(26.9)	2.9	11.9	17.3
8	Add Slope	Sep 2013	48.5	2.9	(17.6)	2.9	11.9	17.5
6 v 5	Add DSR		21.5	(1.5)	(12.6)	(1.5)	0.50	0.25
7 v 6	Add SHA		(10.4)	-	(6.0)	-	(0.02)	(0.13)
8 v 7	Add Slope		10.3	-	9.3	-	(0.06)	0.13
8 v 5	Total Impact		21.4	(1.5)	(9.4)	(1.5)	0.43	0.25

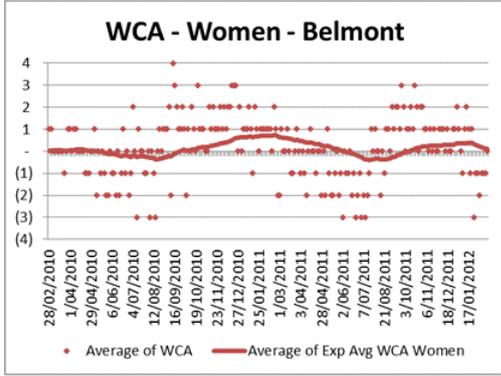
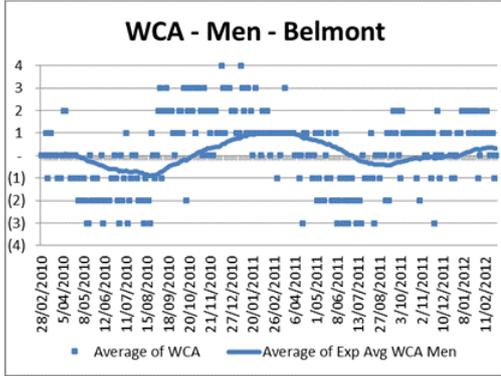
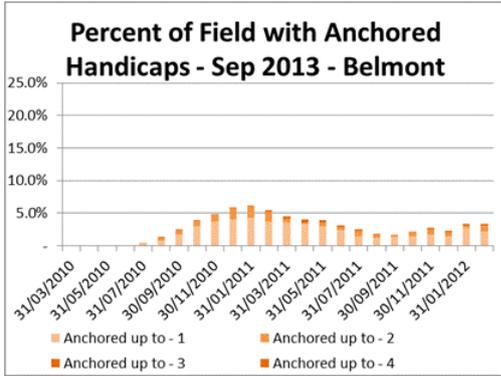
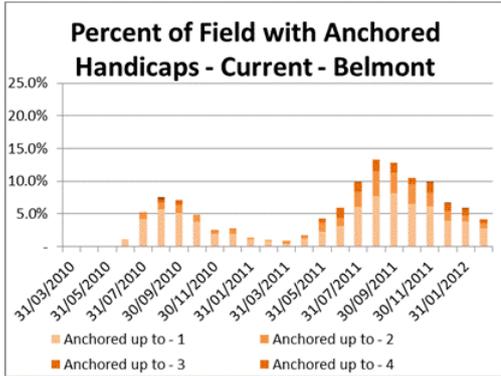
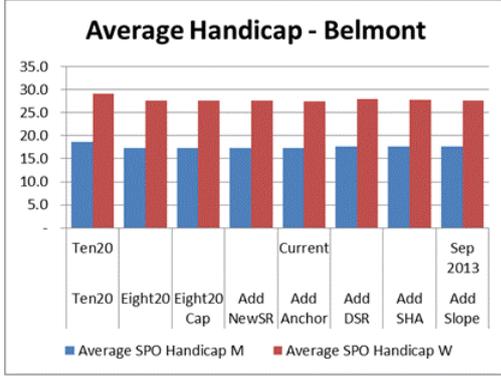
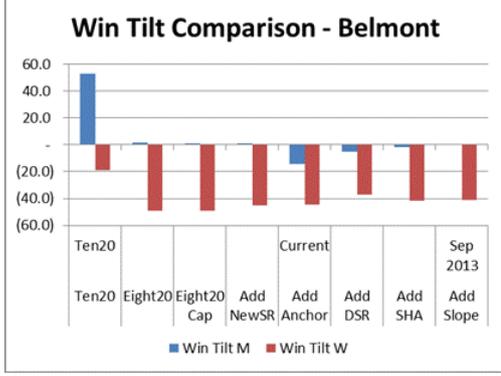
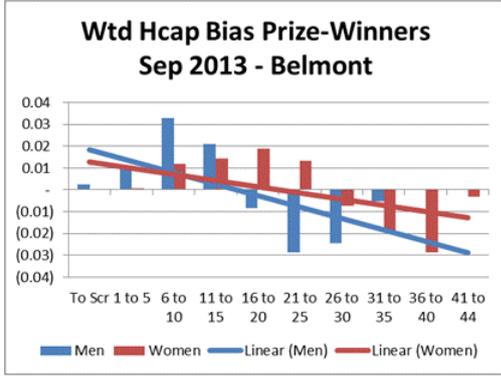
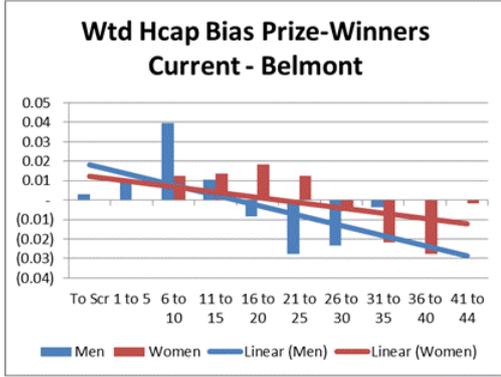
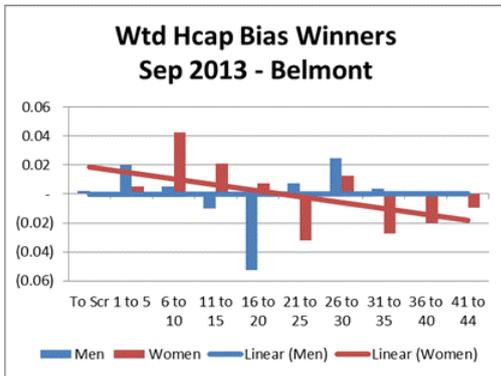
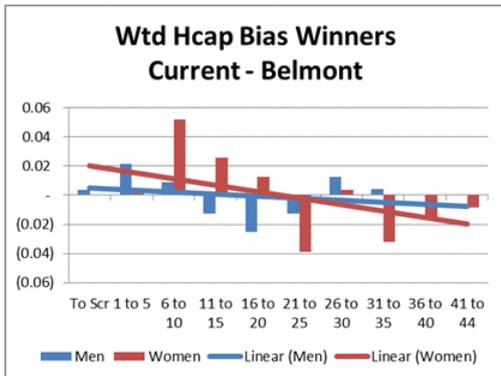
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>40402, USGA, Red, Women</b>				
Womens	64	67.7	71.0	110
<b>40402, USGA, White, Men</b>				
Men	501	67.0	70.0	106
Men - 2nd Course	10	67.0	70.0	106
<b>Grand Total</b>	<b>575</b>	<b>67.1</b>	<b>70.1</b>	<b>106</b>



## Belmont

Belmont								
Scenario	Description	Status	Win Tilt M	Win Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	53.0	(18.8)	(27.3)	(16.0)	18.6	29.2
2	Eight20		1.4	(48.9)	(48.8)	(28.8)	17.4	27.6
3	Eight20 Cap		1.3	(48.9)	(48.9)	(28.8)	17.4	27.6
4	Add NewSR		1.3	(45.0)	(47.8)	(27.5)	17.4	27.6
5	Add Anchor	Current	(14.1)	(44.4)	(51.7)	(27.1)	17.3	27.5
6	Add DSR		(5.3)	(37.1)	(52.9)	(25.5)	17.7	27.9
7	Add SHA		(1.7)	(41.4)	(54.6)	(29.1)	17.6	27.7
8	Add Slope	Sep 2013	0.2	(40.8)	(52.7)	(28.0)	17.6	27.6
6 v 5	Add DSR		8.8	7.3	(1.2)	1.6	0.38	0.40
7 v 6	Add SHA		3.6	(4.3)	(1.6)	(3.6)	(0.05)	(0.21)
8 v 7	Add Slope		2.0	0.6	1.9	1.1	(0.08)	(0.07)
8 v 5	Total Impact		14.3	3.5	(1.0)	(1.0)	0.25	0.12

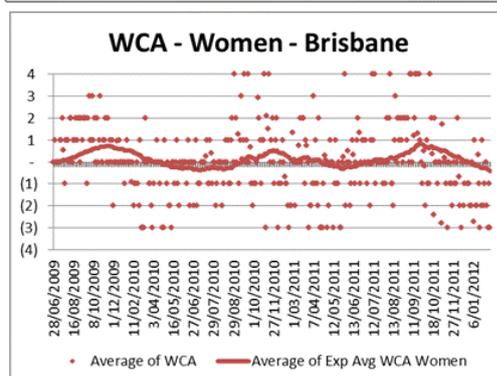
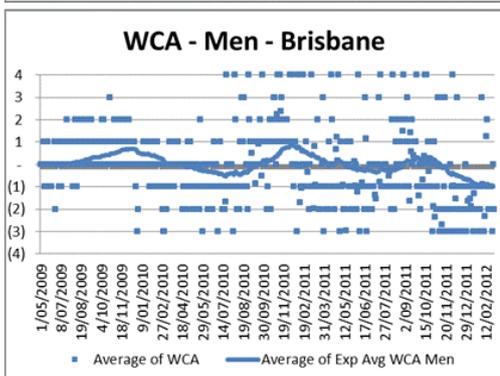
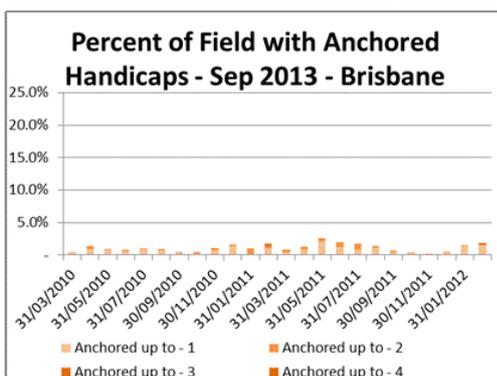
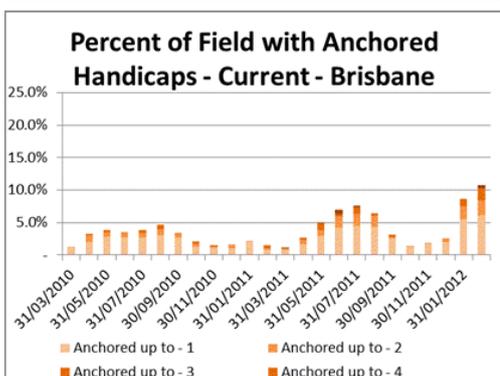
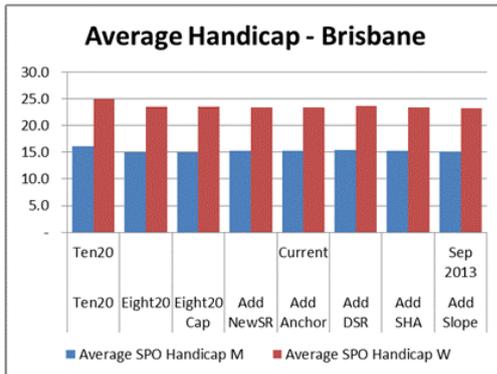
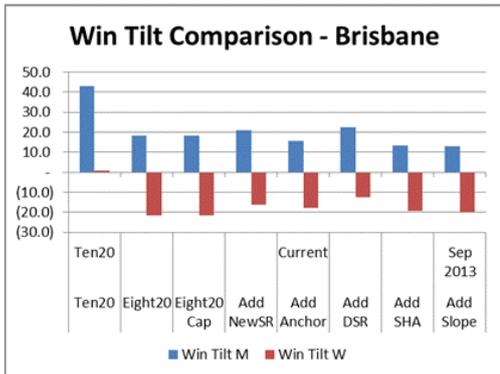
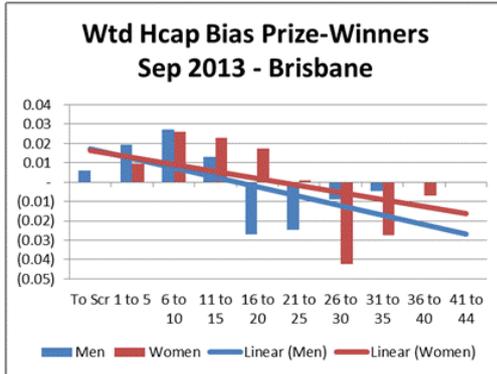
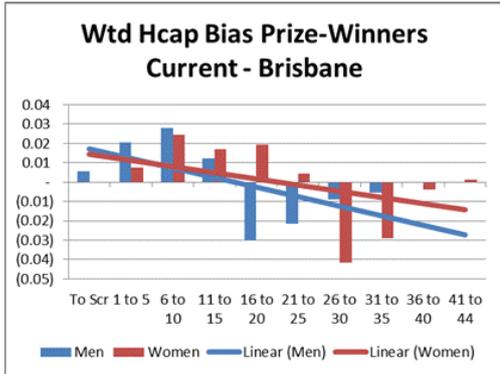
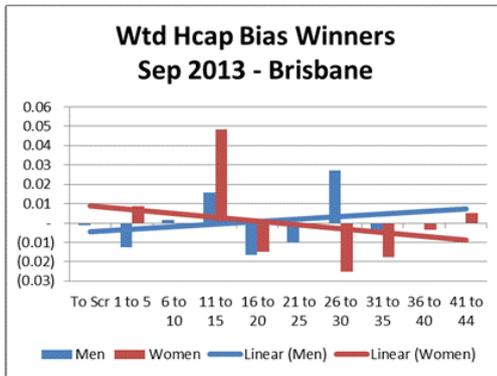
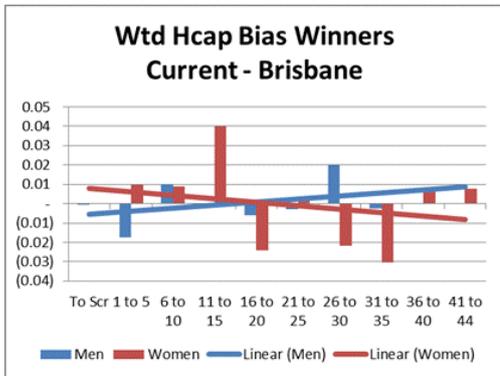
The Courses					
Description		Rounds	Old SR	USGA SR	Slope - NA
Not Rated					
Men's		24,855	72.0	72.0	N/A
Men's Temp		3,529	70.0	70.0	N/A
Women's Red		9,173	73.0	73.0	N/A
Women's Temp		1,140	71.7	71.7	N/A
Women's Champ.		539	72.3	72.3	N/A
<b>Grand Total</b>		<b>39,236</b>	<b>72.1</b>	<b>72.1</b>	<b>N/A</b>



## Brisbane

Brisbane								
Scenario	Description	Status	Vin Tilt M	Vin Tilt V	Place Tilt M	Place Tilt V	Average SPO Handicap M	Average SPO Handicap V
1	Ten20	Ten20	43.2	1.0	(31.2)	(20.8)	16.2	25.0
2	Eight20		18.5	(21.6)	(50.0)	(32.3)	15.0	23.6
3	Eight20 Cap		18.4	(21.6)	(50.1)	(32.3)	15.0	23.6
4	Add NewSR		20.9	(16.4)	(47.3)	(31.3)	15.3	23.3
5	Add Anchor	Current	15.5	(17.9)	(49.6)	(31.9)	15.3	23.3
6	Add DSR		22.6	(12.4)	(44.8)	(31.6)	15.4	23.7
7	Add SHA		13.3	(19.2)	(49.1)	(35.6)	15.2	23.3
8	Add Slope	Sep 2013	13.0	(20.0)	(48.7)	(36.2)	15.1	23.3
6 v 5	Add DSR		7.1	5.5	4.8	0.3	0.10	0.34
7 v 6	Add SHA		(9.3)	(6.8)	(4.3)	(4.0)	(0.16)	(0.32)
8 v 7	Add Slope		(0.4)	(0.9)	0.4	(0.6)	(0.10)	(0.06)
8 v 5	Total Impact		(2.5)	(2.1)	0.9	(4.3)	(0.17)	(0.04)

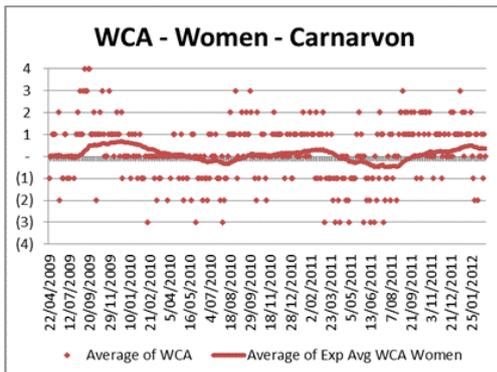
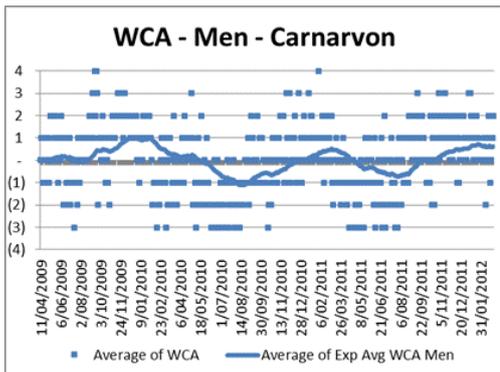
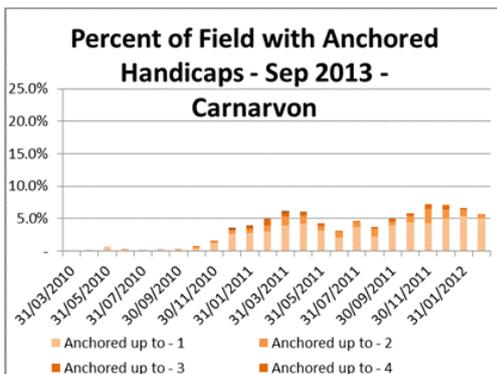
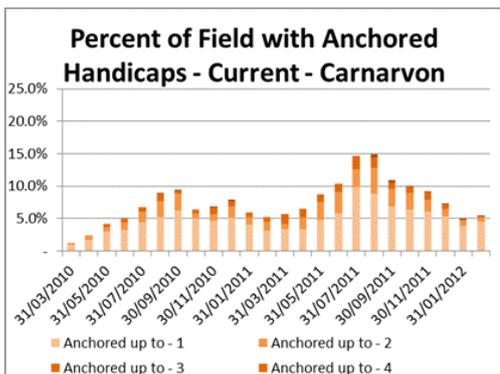
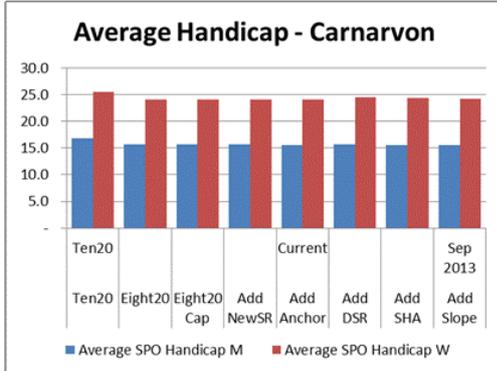
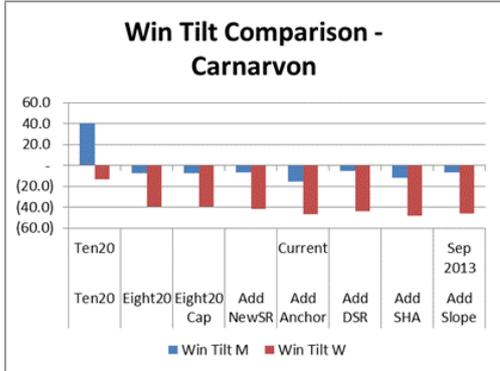
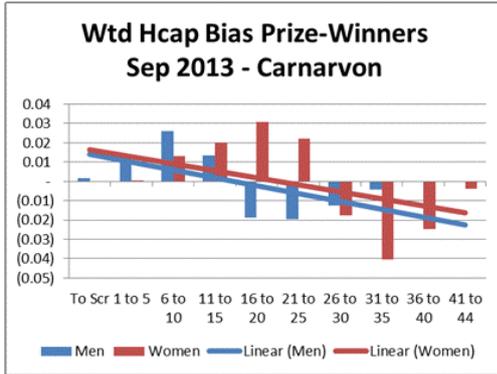
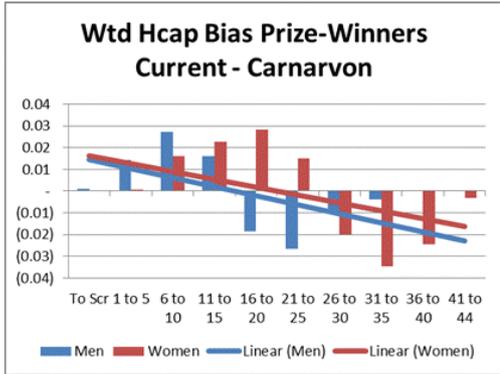
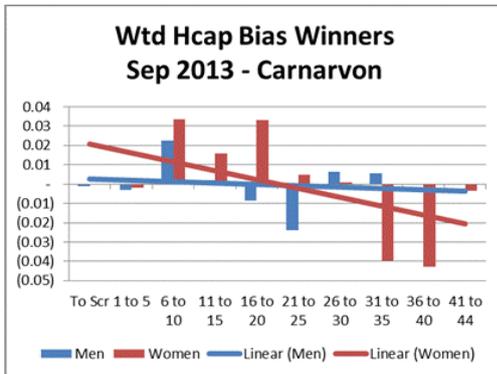
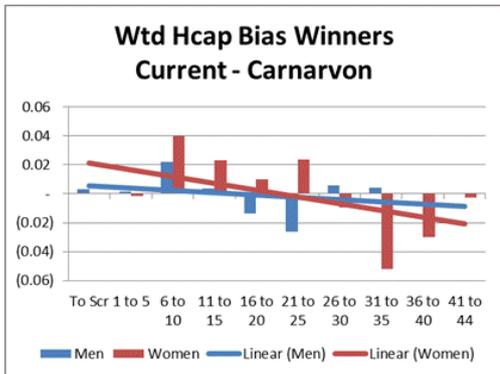
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>40102, USGA, Blue, Men</b>				
USGA, Black, Men	193	72.0	72.0	120
USGA, Blue, Men	1,012	71.9	72.0	120
Yeerongpilly Blue	7,189	73.0	72.0	120
Mens Temp Blue	161	71.0	71.0	120
Temp blue	7,673	70.3	70.3	120
Temp Blue 2	619	70.0	72.0	120
Temp Blue 3	466	69.0	72.0	120
<b>40102, USGA, White, Men</b>				
USGA, White, Men	1,093	70.8	71.0	122
mens temp white	63	70.0	70.0	122
Yeerongpilly White	5,482	72.0	71.0	122
Temp white	6,020	69.2	69.2	122
Temp White 2	418	69.0	71.0	122
Temp White 3	231	68.0	71.0	122
<b>40102, USGA, Red, Women</b>				
USGA, Red, Women	414	73.0	73.0	126
Yeerongpilly Women	4,071	73.0	73.0	126
Temp Red	5,234	70.3	70.3	126
Temp Red 2	597	70.2	73.0	126
Temp Red 3	225	69.0	73.0	126
womens temp red	68	71.0	71.0	126
<b>Grand Total</b>	<b>41,229</b>	<b>71.1</b>	<b>71.0</b>	<b>122</b>



## Carnarvon

Carnarvon								
Scenario	Description	Status	Win Tilt M	Win Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	40.2	(13.5)	(17.0)	(19.4)	16.8	25.6
2	Eight20		(7.2)	(39.6)	(38.1)	(35.8)	15.7	24.2
3	Eight20 Cap		(7.2)	(39.6)	(38.1)	(35.8)	15.7	24.2
4	Add NewSR		(6.8)	(41.9)	(37.7)	(34.7)	15.7	24.1
5	Add Anchor	Current	(15.7)	(46.4)	(41.7)	(36.4)	15.6	24.1
6	Add DSR		(5.2)	(44.0)	(39.0)	(33.0)	15.6	24.5
7	Add SHA		(12.1)	(47.9)	(42.6)	(36.1)	15.6	24.3
8	Add Slope	Sep 2013	(6.9)	(45.9)	(40.6)	(36.1)	15.5	24.3
6 v 5	Add DSR		10.5	2.4	2.8	3.3	0.02	0.39
7 v 6	Add SHA		(6.8)	(3.9)	(3.7)	(3.0)	(0.06)	(0.15)
8 v 7	Add Slope		5.2	2.0	2.0	(0.1)	(0.04)	(0.01)
8 v 5	Total Impact		8.8	0.5	1.2	0.2	(0.08)	0.24

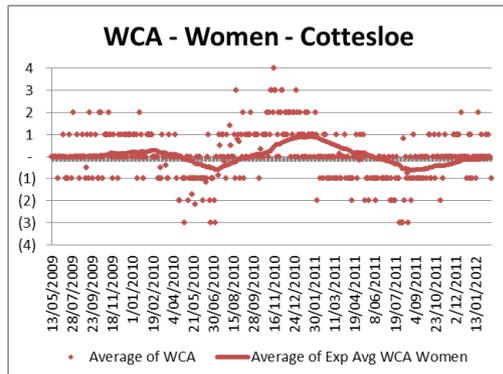
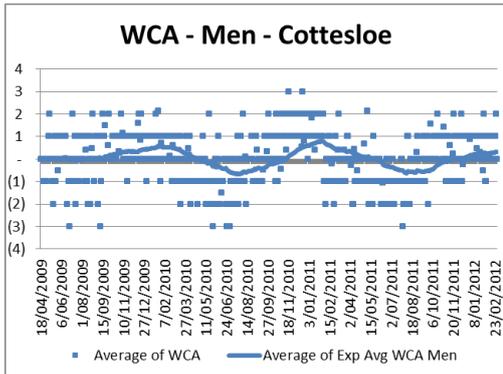
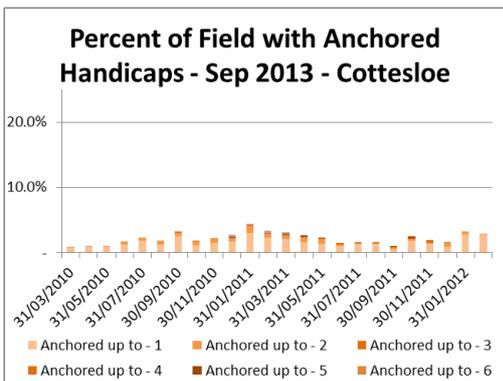
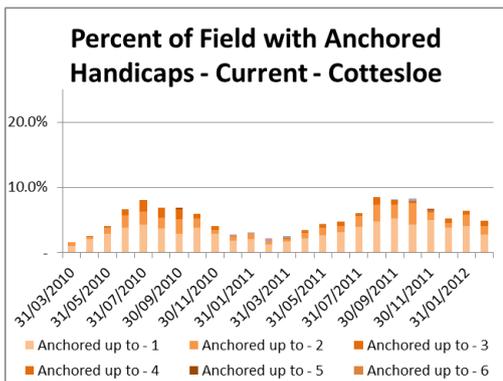
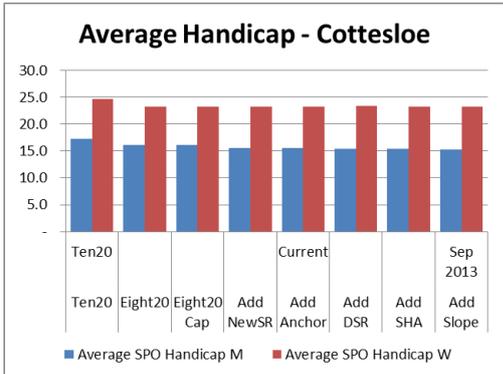
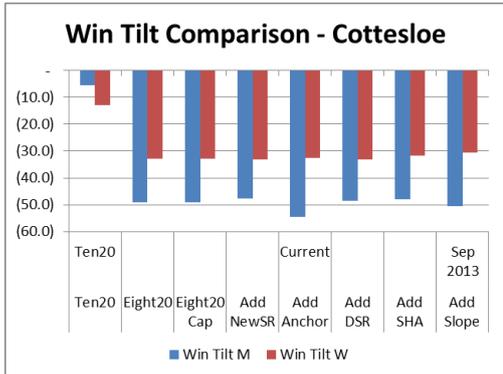
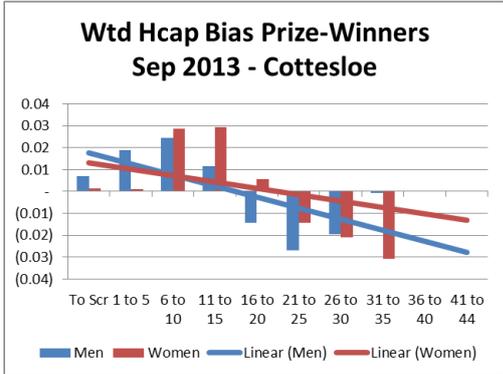
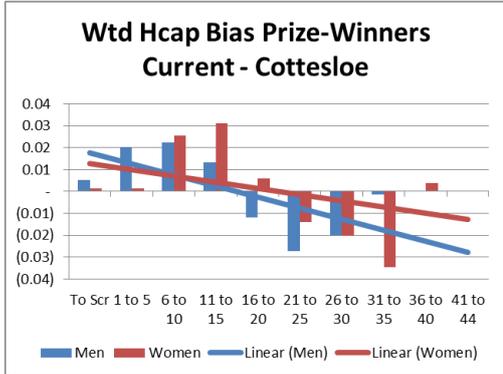
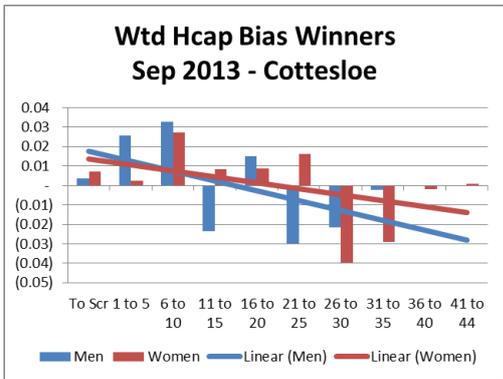
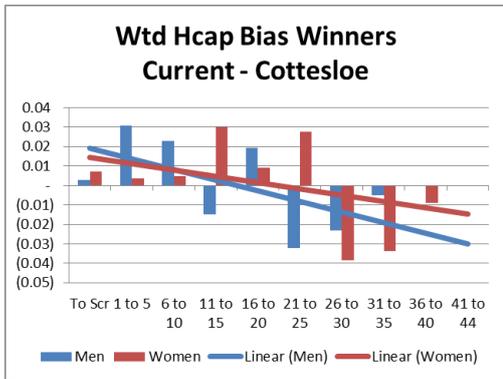
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>Not Rated</b>				
Men's	59,146	72.0	72.0	N/A
Women's	10,205	71.9	71.9	N/A
Women's Temp	749	70.8	70.8	N/A
<b>Grand Total</b>	<b>70,100</b>	<b>71.9</b>	<b>71.9</b>	



# Cottesloe

Cottesloe								
Scenario	Description	Status	Win Tilt M	Win Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	(5.6)	(13.0)	(20.2)	(11.0)	17.2	24.6
2	Eight20		(49.2)	(32.8)	(44.9)	(26.3)	16.1	23.3
3	Eight20 Cap		(49.2)	(32.8)	(44.9)	(26.3)	16.1	23.3
4	Add NewSR		(47.8)	(33.1)	(48.1)	(28.0)	15.5	23.2
5	Add Anchor	Current	(54.5)	(32.5)	(50.5)	(28.4)	15.5	23.2
6	Add DSR		(48.4)	(33.1)	(48.3)	(29.1)	15.4	23.4
7	Add SHA		(47.8)	(31.8)	(49.7)	(31.9)	15.4	23.3
8	Add Slope	Sep 2013	(50.7)	(30.6)	(50.5)	(29.3)	15.3	23.2
6 v 5 Add DSR			6.1	(0.6)	2.1	(0.8)	(0.05)	0.17
7 v 6 Add SHS			0.6	1.3	(1.4)	(2.8)	(0.03)	(0.13)
8 v 7 Add Slope			(2.8)	1.2	(0.8)	2.6	(0.07)	(0.02)
8 v 5 Total Impact			3.8	1.9	(0.1)	(0.9)	(0.15)	0.01

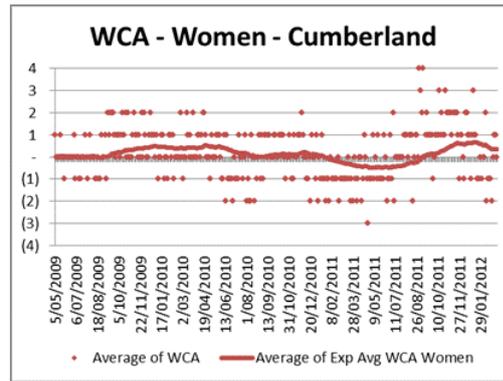
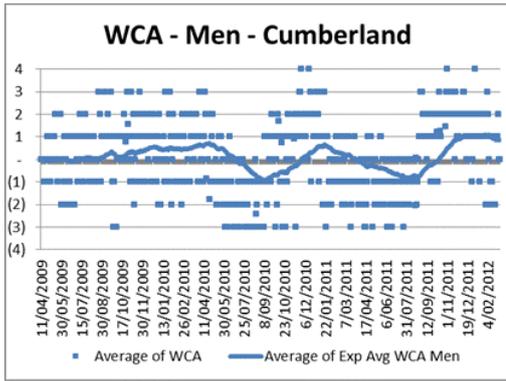
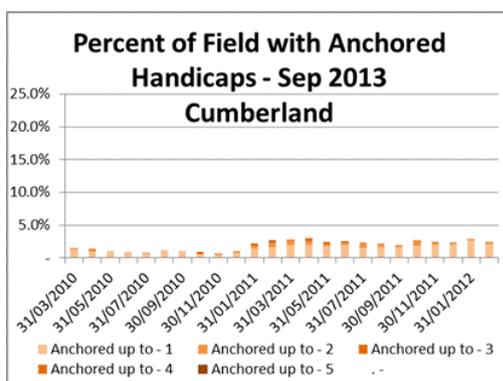
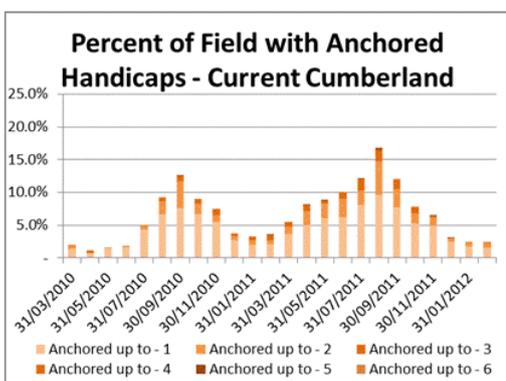
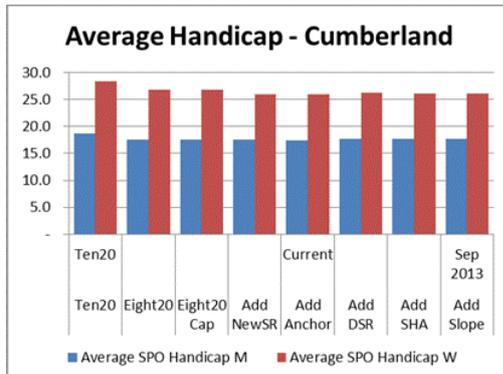
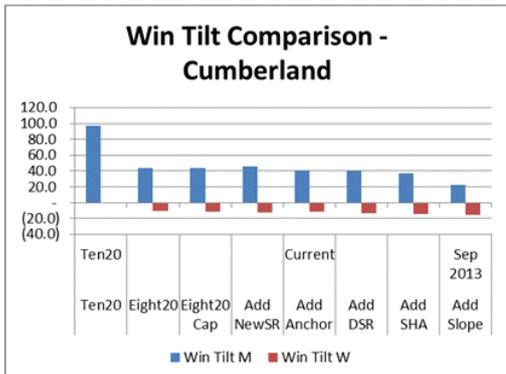
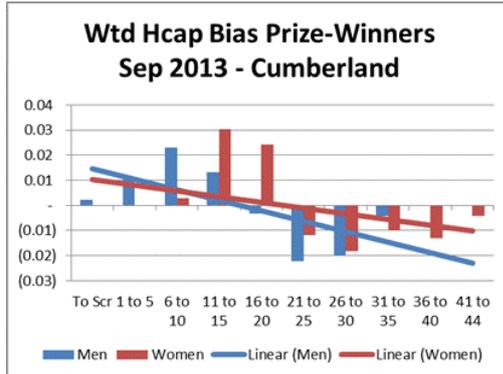
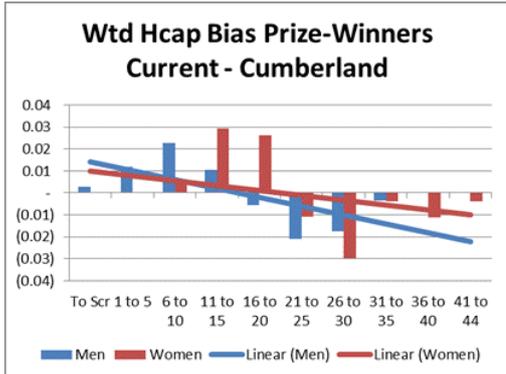
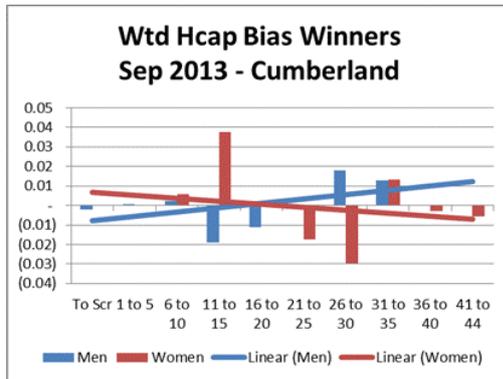
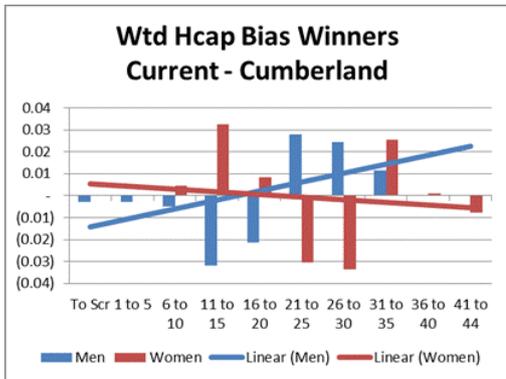
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>60103, USGA, Blue, Men</b>				
USGA, Blue, Men	23,141	73.0	73	131
Mens Forward	8,329	71.0	73	131
<b>60103, USGA, Black, Men</b>				
USGA, Black, Men	3,184.0	73.0	73	132.0
Mens Back	6,809.0	72.0	73	132.0
<b>60103, USGA, Red, Women</b>				
USGA, Red, Women	6,659.0	74.0	74	132.0
Women's 2007	2,975.0	73.0	73	132.0
USGA Womens - TEMP	1,254.0	73.0	73	132.0
<b>60103, USGA, White, Men</b>				
USGA Men - TEMP	4,129.0	72.0	72	130.0
<b>Grand Total</b>	<b>56,480</b>	<b>72.6</b>	<b>73.0</b>	<b>131.3</b>



## Cumberland

Cumberland								
Scenario	Description	Status	Win Tilt M	Win Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	96.7	(1.1)	(16.4)	(12.8)	18.8	28.3
2	Eight20		43.8	(11.1)	(37.2)	(21.5)	17.6	26.8
3	Eight20 Cap		43.8	(11.2)	(37.2)	(21.6)	17.6	26.8
4	Add NewSR		45.8	(12.4)	(38.2)	(21.5)	17.5	25.9
5	Add Anchor	Current	41.0	(11.9)	(40.3)	(22.3)	17.5	25.9
6	Add DSR		40.1	(13.6)	(42.0)	(22.7)	17.7	26.3
7	Add SHA		36.5	(14.8)	(43.0)	(23.5)	17.6	26.1
8	Add Slope	Sep 2013	22.1	(15.3)	(42.1)	(22.8)	17.8	26.0
6 v 5	Add DSR		(0.9)	(1.6)	(1.7)	(0.4)	0.23	0.37
7 v 6	Add SHA		(3.6)	(1.3)	(1.0)	(0.9)	(0.05)	(0.22)
8 v 7	Add Slope		(14.4)	(0.5)	1.0	0.7	0.11	(0.02)
8 v 5	Total Impact		(18.9)	(3.4)	(1.8)	(0.5)	0.30	0.12

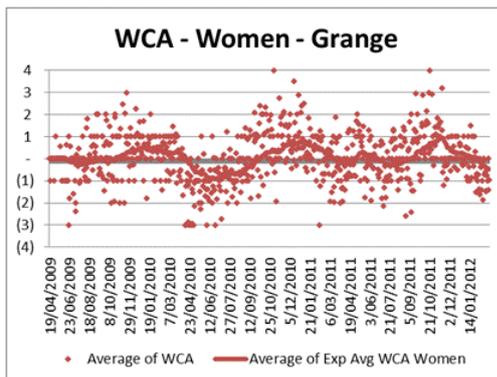
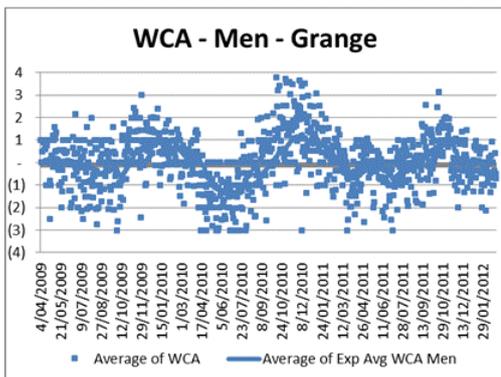
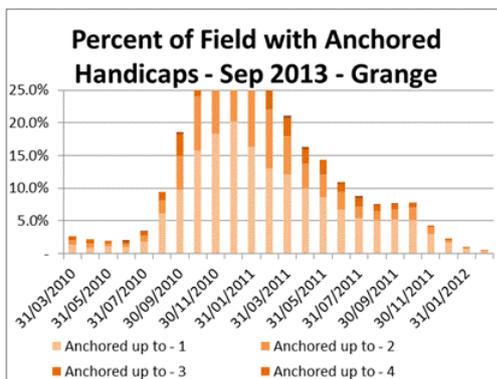
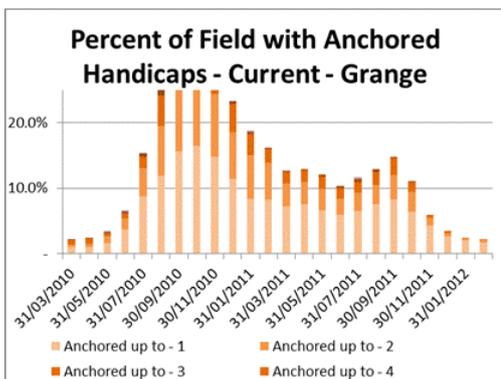
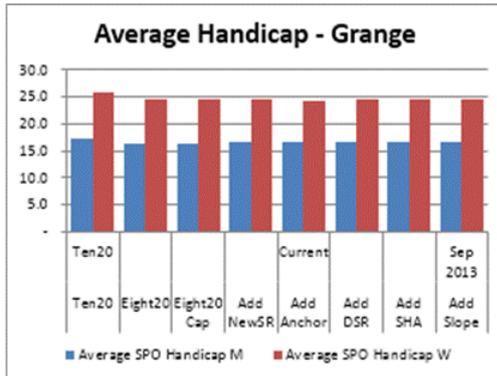
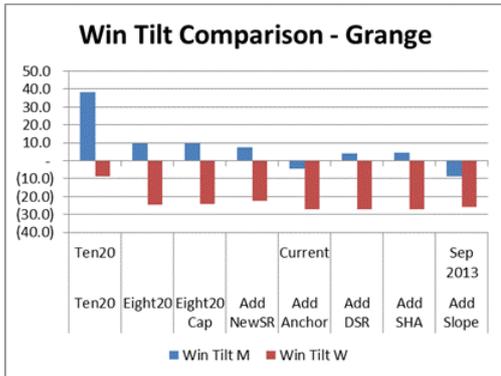
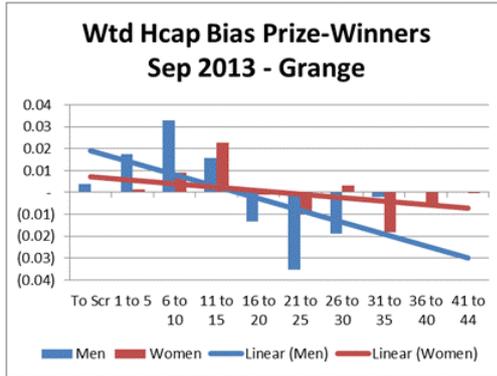
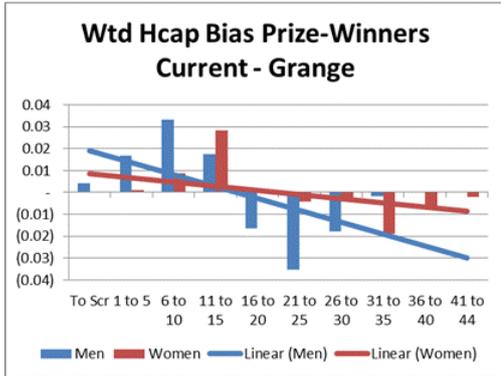
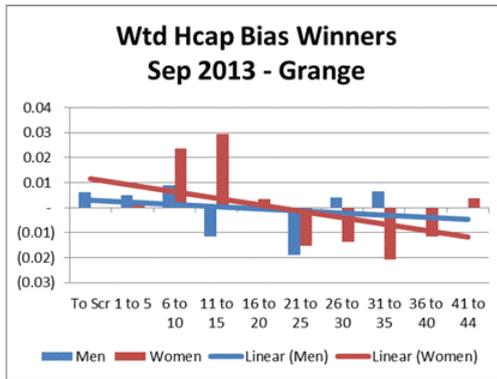
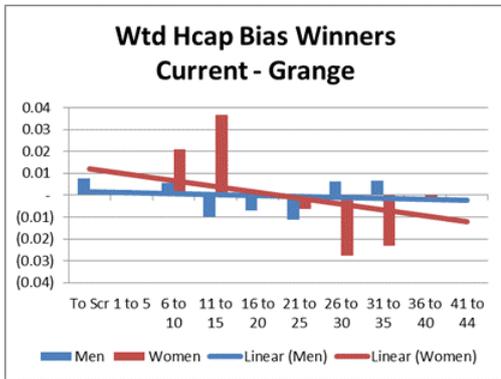
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>20213, USGA, White, Men</b>				
Mens Black	17,618	70.0	70.0	129
<b>20213, USGA, Red, Women</b>				
Ladies Course	6,771	73.0	74.0	134
<b>20213, USGA, Blue, Men</b>				
Mens Course	54,550	71.9	72.0	136
<b>Grand Total</b>	<b>78,939</b>	<b>71.6</b>	<b>71.7</b>	<b>134</b>



## Grange

Grange								
Scenario	Description	Status	Vin Tilt M	Vin Tilt V	Place Tilt M	Place Tilt V	Average SPO Handicap M	Average SPO Handicap V
1	Ten20	Ten20	38.4	(8.6)	(28.0)	(2.9)	17.3	25.9
2	Eight20		9.7	(24.6)	(49.6)	(14.9)	16.2	24.4
3	Eight20 Cap		9.7	(24.3)	(49.6)	(14.9)	16.2	24.4
4	Add NewSR		7.5	(22.5)	(48.2)	(15.3)	16.6	24.5
5	Add Anchor	Current	(4.4)	(27.0)	(54.1)	(19.4)	16.5	24.4
6	Add DSR		4.2	(27.3)	(53.1)	(17.4)	16.6	24.7
7	Add SHA		4.3	(27.1)	(55.3)	(18.1)	16.5	24.6
8	Add Slope	Sep 2013	(8.8)	(25.7)	(54.6)	(15.9)	16.5	24.6
6 v 5	Add DSR		8.5	(0.3)	1.0	2.0	0.09	0.30
7 v 6	Add SHA		0.2	0.2	(2.2)	(0.8)	(0.06)	(0.06)
8 v 7	Add Slope		(13.1)	1.3	0.8	2.2	0.00	0.04
8 v 5	Total Impact		(4.4)	1.2	(0.5)	3.5	0.04	0.27

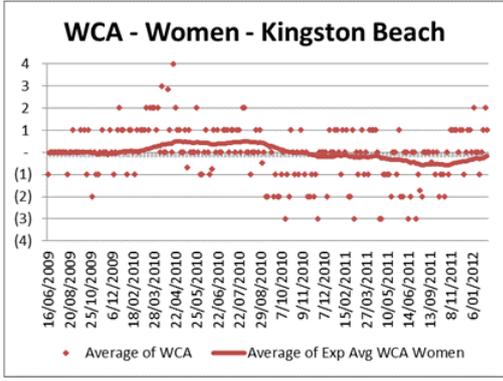
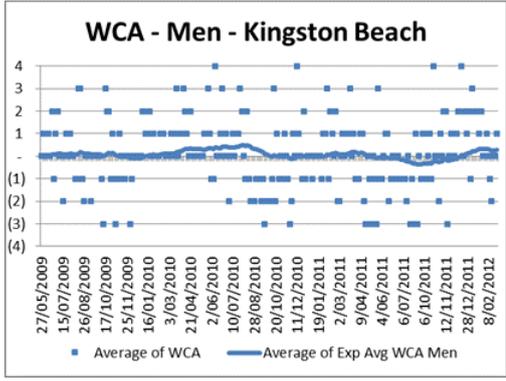
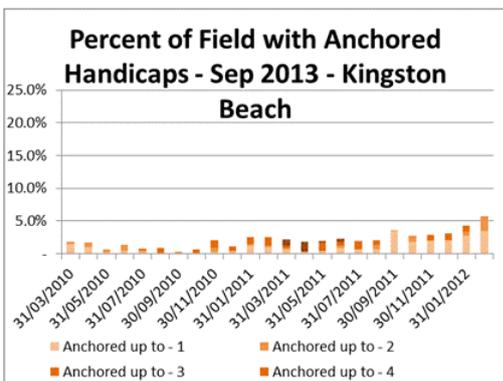
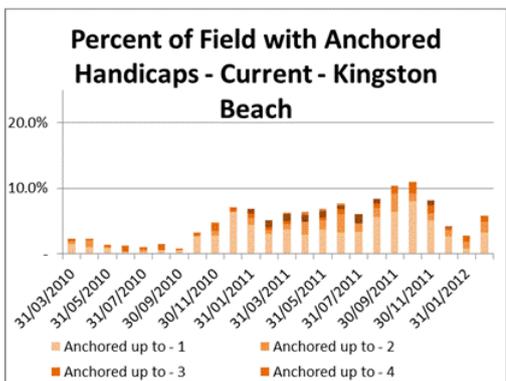
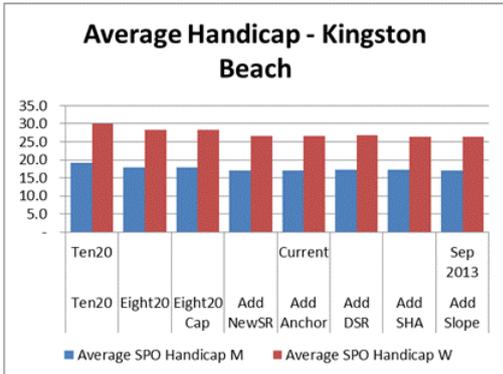
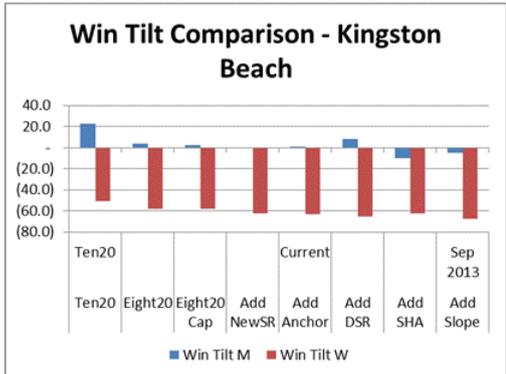
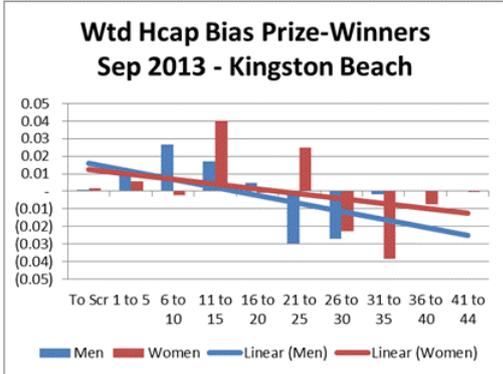
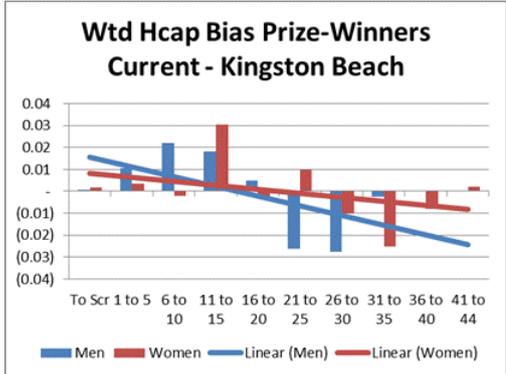
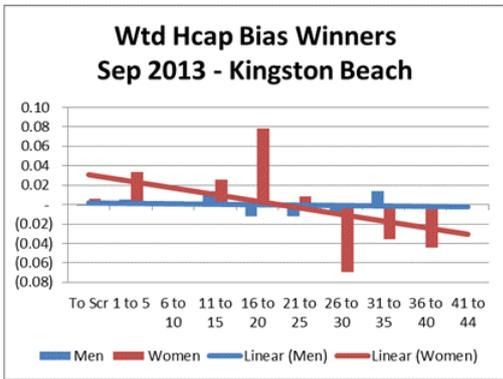
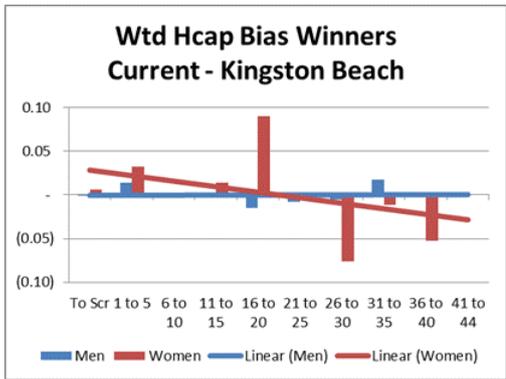
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>50102, USGA, Blue, Men, West</b>				
TEMP 2011 GOLD Blue Men	6,921	69.8	69.8	128
Mens Blue West	39,738	72.5	72.0	128
TEMP 2011 PINK Blue Men	6,910	69.6	69.6	128
Captains - Men	12,897	72.7	72.7	128
Presidents - Men	975	73.0	73.0	128
<b>50102, USGA, White, Men, West</b>				
Mens West White	18,115	71.0	71.0	123
West Mens Temp	55	71.0	71.0	123
TEMP 2011 PURPLE Men White	1,030	66.7	66.7	123
TEMP 2011 PINK White Men	3,851	69.6	69.6	123
TEMP 2011 GOLD White Men	3,904	69.7	69.7	123
TEMP 2011 SILVER Men White	170	71.0	71.0	123
TEMP 2011 ORANGE Men White	156	70.0	70.0	123
<b>50102, USGA, Blue, Men, East</b>				
Mens Blue East	15,705	73.6	72.0	124
Mens Black East	190	74.0	74.0	124
<b>50102, USGA, Red, Women, West</b>				
Womens Red West	9,666	74.0	75.0	130
TEMP 2011 PURPLE Women Red	886	70.4	70.4	130
TEMP 2011 GOLD Red Women	1,386	72.1	72.1	130
TEMP 2011 PINK Red Women	1,394	72.1	72.1	130
TEMP 2011 SILVER Women Red	310	75.0	75.0	130
TEMP 2011 ORANGE Women Red	328	74.0	74.0	130
Captains - Women	43	73.0	73.0	130
<b>50102, USGA, Black, Men, West</b>				
Men's West Black	706	73.0	73.0	132
<b>50102, USGA, White, Men, East</b>				
Mens East White	6,436	72.0	70.0	120
Mens East Gold	16	71.0	71.0	120
<b>50102, USGA, Red, Women, East</b>				
Womens Red East	5,096	75.0	73.0	117
Presidents - Women	16	75.0	75.0	117
Womens East Temp	2,236	74.0	74.0	117
<b>50102, USGA, Red, Men, West</b>				
Mens Red West	11	69.0	69.0	118
<b>50102, USGA, Yellow, Women, West</b>				
Womens West Yellow	89	73.7	73.0	128
<b>Grand Total</b>	<b>139,236</b>	<b>72.1</b>	<b>71.7</b>	<b>126</b>



## Kingston Beach

Kingston Beach								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	22.9	(50.6)	(19.3)	(2.5)	19.1	29.9
2	Eight20		3.8	(57.8)	(40.4)	(12.0)	17.8	28.2
3	Eight20 Cap		2.4	(58.3)	(40.6)	(11.9)	17.8	28.2
4	Add NewSR		(0.4)	(62.6)	(42.3)	(17.9)	17.1	26.7
5	Add Anchor	Current	0.5	(63.5)	(44.0)	(18.5)	17.0	26.6
6	Add DSR		8.4	(65.1)	(43.5)	(21.1)	17.3	26.9
7	Add SHA		(9.6)	(62.4)	(49.6)	(22.8)	17.2	26.4
8	Add Slope	Sep 2013	(4.9)	(67.8)	(45.4)	(27.6)	17.1	26.5
6 v 5	Add DSR		7.9	(1.6)	0.4	(2.6)	0.27	0.26
7 v 6	Add SHA		(18.1)	2.7	(6.0)	(1.7)	(0.13)	(0.47)
8 v 7	Add Slope		4.8	(5.4)	4.1	(4.8)	(0.06)	0.06
8 v 5	Total Impact		(5.4)	(4.3)	(1.5)	(9.1)	0.08	(0.16)

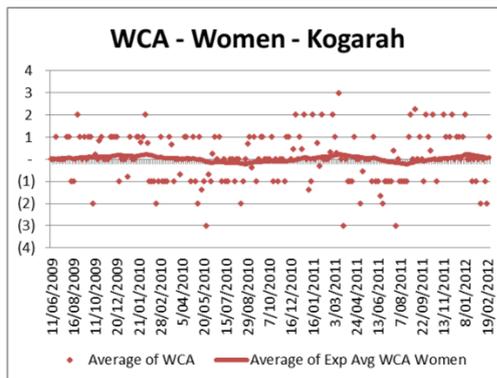
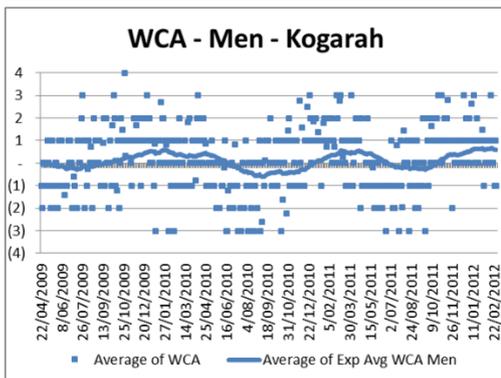
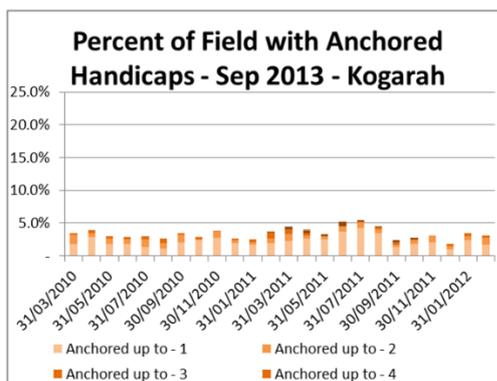
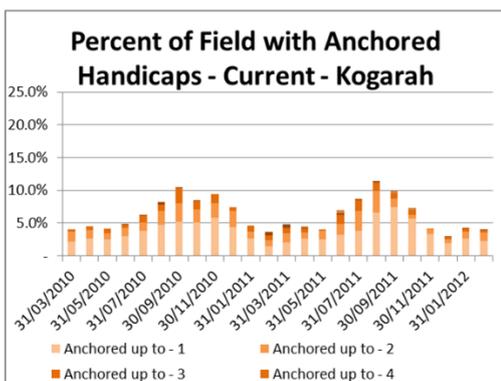
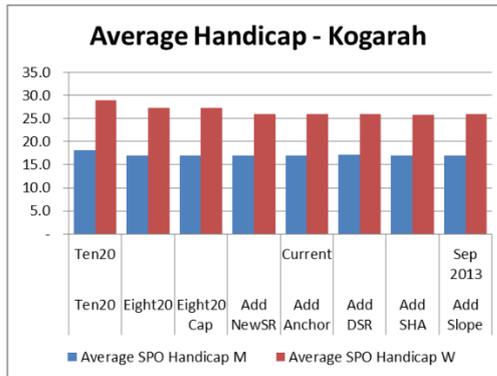
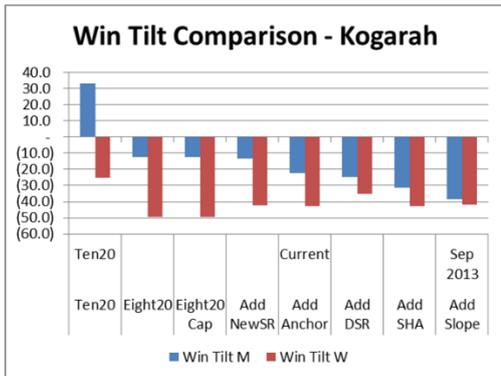
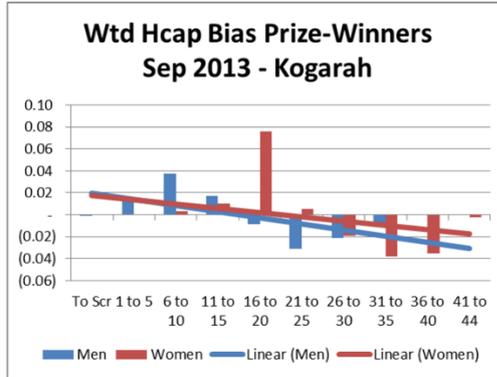
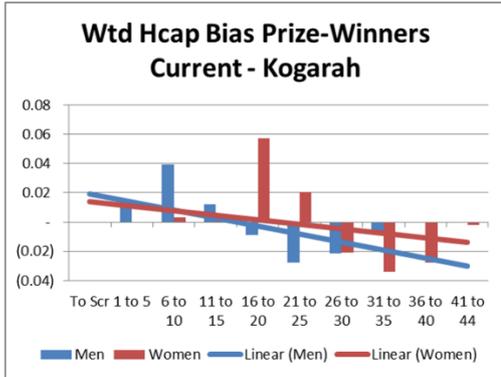
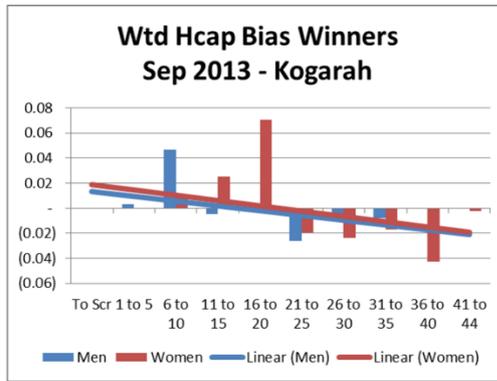
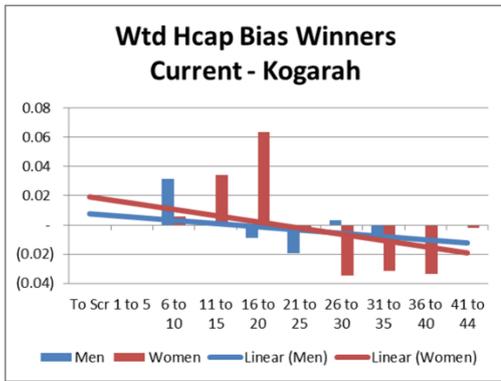
The Courses					
Description		Rounds	Old SR	USGA SR	Slope
<b>76222, USGA, White, Men</b>					
Men		11,289	70.0	71.0	126
USGA, White, Men		2,839	71.0	71.0	126
<b>76222, USGA, Red, Women</b>					
USGA, Red, Women		404	73.0	73.0	124
Women		1,890	71.0	73.0	124
<b>76222, USGA, Blue, Men</b>					
USGA, Blue, Men		664	71.0	71.0	127
<b>76222, USGA, Men, Yellow</b>					
USGA, Yellow, Men		8	68.0	68.0	117
<b>Grand Total</b>		<b>17,094</b>	<b>70.4</b>	<b>71.3</b>	<b>126</b>



## Kogarah

Kogarah								
Scenario	Description	Status	Win Tilt M	Win Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	33.2	(25.3)	(24.9)	(21.8)	18.2	28.9
2	Eight20		(12.3)	(49.3)	(50.3)	(35.3)	17.0	27.3
3	Eight20 Cap		(12.6)	(49.3)	(50.6)	(35.3)	17.0	27.3
4	Add NewSR		(13.3)	(42.3)	(49.7)	(29.9)	17.0	25.9
5	Add Anchor	Current	(22.5)	(43.0)	(54.5)	(30.9)	16.9	25.9
6	Add DSR		(24.9)	(35.4)	(56.0)	(28.9)	17.1	26.0
7	Add SHA		(31.3)	(42.8)	(57.0)	(38.6)	17.0	25.8
8	Add Slope	Sep 2013	(38.5)	(42.0)	(55.4)	(38.4)	17.1	25.9
6 v 5	Add DSR		(2.5)	7.6	(1.6)	2.0	0.17	0.09
7 v 6	Add SHA		(6.4)	(7.4)	(1.0)	(9.7)	(0.05)	(0.23)
8 v 7	Add Slope		(7.3)	0.8	1.6	0.2	0.03	0.17
8 v 5	Total Impact		(16.1)	1.0	(1.0)	(7.5)	0.16	0.02

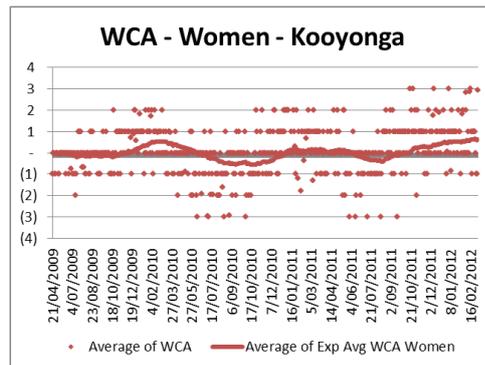
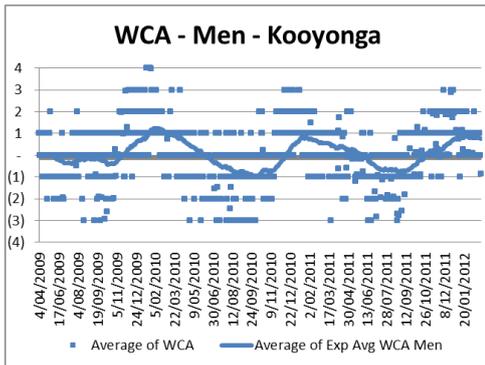
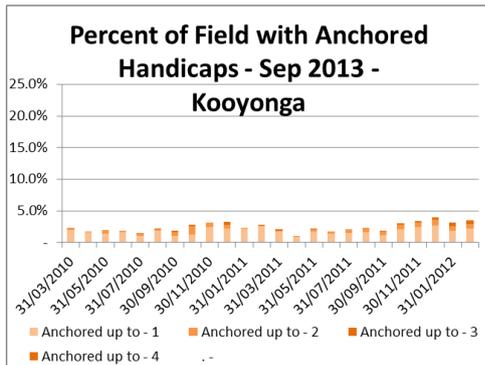
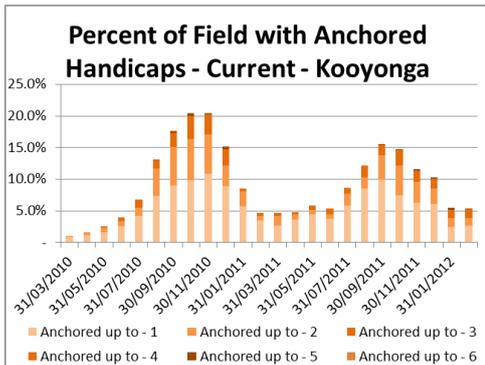
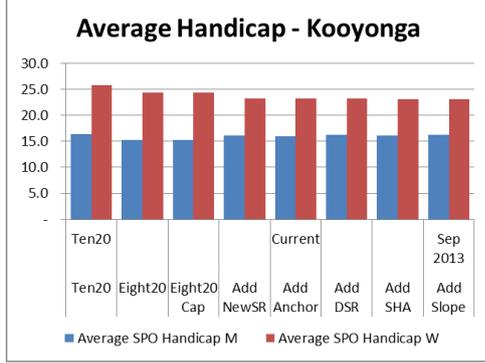
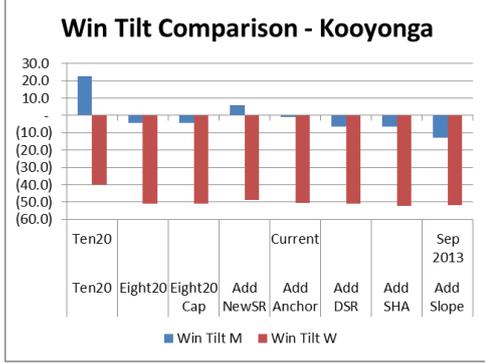
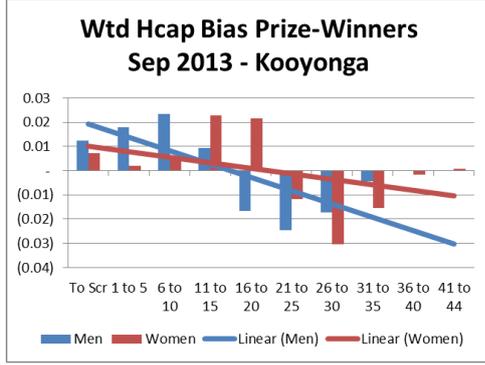
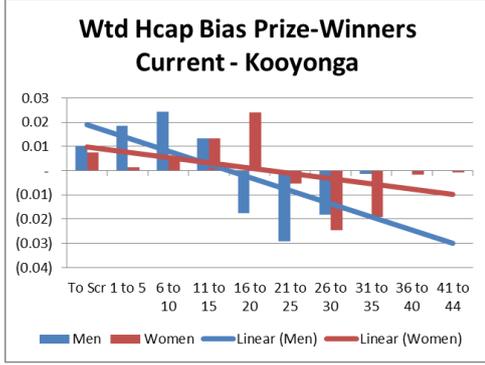
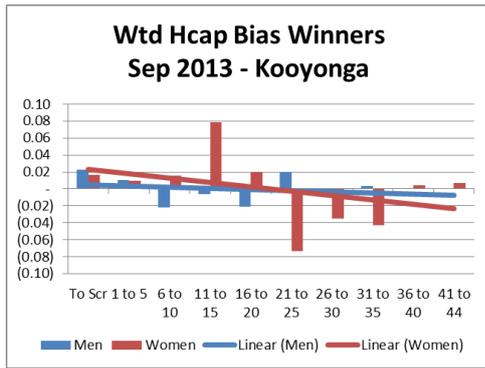
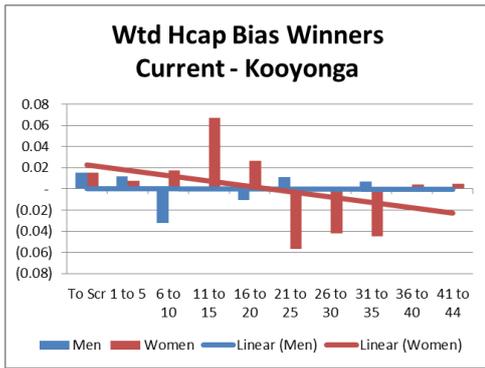
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>20216, USGA, White, Men</b>				
Members	29,692	71.0	71.0	125
USGA, Men's, White	5,519	71.0	71.0	125
Member Temp	42	70.0	70.0	125
<b>20216, USGA, Red, Women</b>				
USGA, Women's, Red	667	75.0	75.0	128
Assoc Temp	24	72.0	72.0	128
Associates	2,671	73.0	75.0	128
Assoc Temp (16th Out of Play)	27	72.0	72.0	128
<b>20216, USGA, Blue, Men</b>				
USGA, Men's, Blue	1,813	72.0	72.0	128
<b>20216, USGA, Gold, Women</b>				
USGA, Women's, Gold	51	72.0	72.0	124
<b>Grand Total</b>	<b>40,506</b>	<b>71.2</b>	<b>71.4</b>	<b>125</b>



# Kooyonga

Kooyonga								
Scenario	Description	Status	Win Tilt M	Win Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	22.7	(39.6)	(37.9)	(11.2)	16.5	25.8
2	Eight20		(4.3)	(50.9)	(60.0)	(18.5)	15.3	24.3
3	Eight20 Cap		(4.3)	(50.9)	(60.0)	(18.5)	15.3	24.3
4	Add NewSR		5.9	(48.9)	(50.7)	(20.9)	16.1	23.3
5	Add Anchor	Current	(0.9)	(50.6)	(54.3)	(22.0)	16.0	23.2
6	Add DSR		(6.5)	(51.0)	(56.6)	(23.6)	16.2	23.3
7	Add SHA		(6.4)	(52.2)	(58.2)	(23.2)	16.2	23.1
8	Add Slope	Sep 2013	(13.0)	(51.6)	(55.1)	(22.8)	16.2	23.2
Impact of DSR, SHS & Slope								
6 v 5	Add DSR		(5.6)	(0.4)	(2.3)	(1.6)	0.16	0.03
7 v 6	Add SHS		0.1	(1.2)	(1.6)	0.4	(0.03)	(0.19)
8 v 7	Add Slope		(6.6)	0.6	3.2	0.4	0.06	0.10
8 v 5	Total Impact		(12.2)	(1.0)	(0.7)	(0.8)	0.19	(0.06)

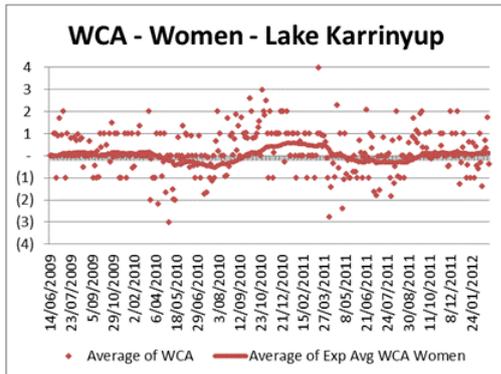
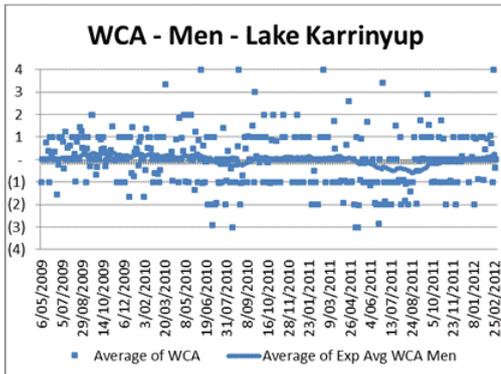
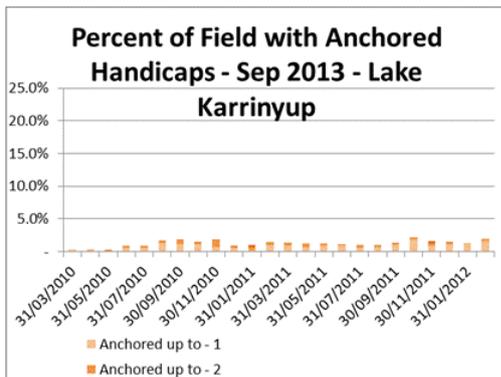
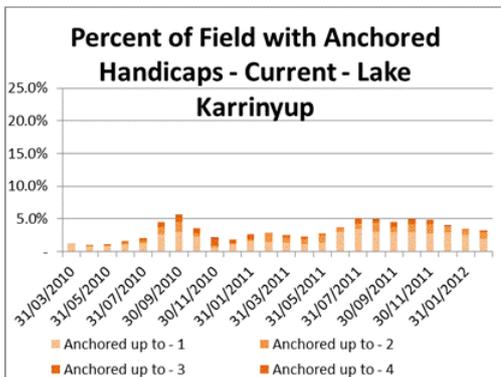
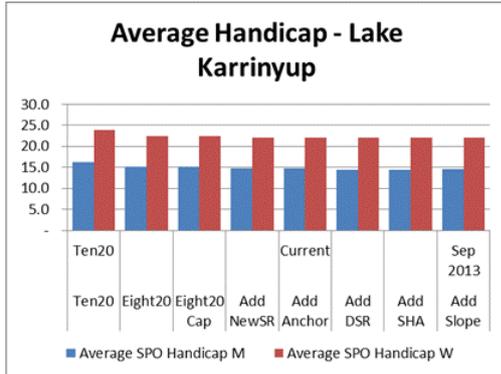
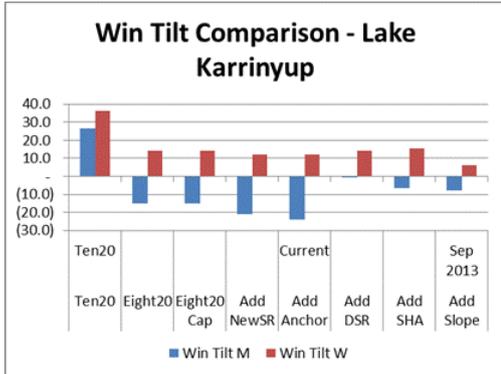
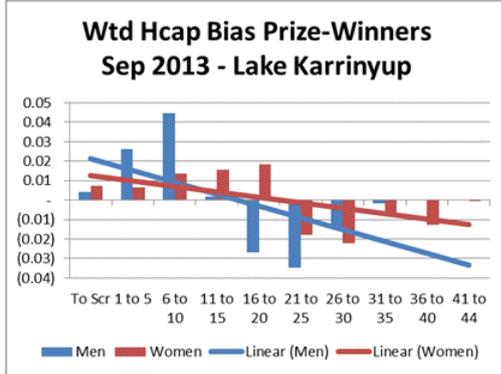
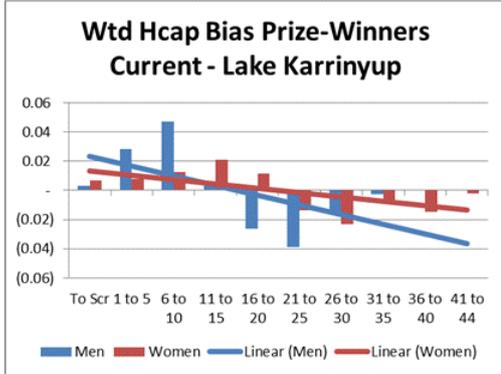
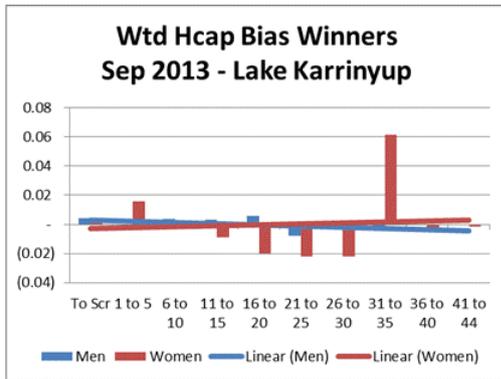
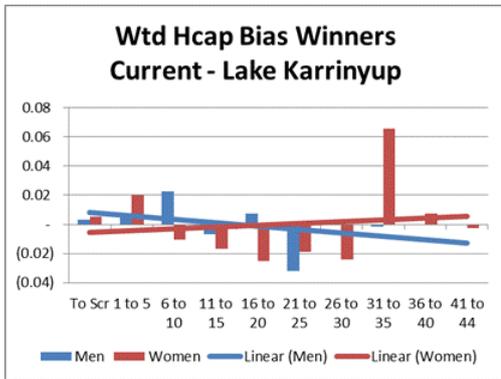
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>50103, USGA, Green, Men</b>				
Men	15,181	73.0	71.0	131
Men's Temp	4,964	71.5	71.5	131
USGA, Men, Green	949	71.0	71.0	131
TEMP, Men, Green	641	70.1	70.1	131
ST, Men, Green	34	71.0	71.0	131
<b>50103, USGA, Blue, Men</b>				
USGA, Men, Blue	6,047	73.0	73.0	135
TEMP, Men, Blue	3,269	72.0	72.0	135
ST, Men, Blue	100	73.0	73.0	135
<b>50103, USGA, White, Men</b>				
TEMP, Men, White	2,172	71.4	71.4	133
USGA, Men, White	3,809	72.0	72.0	133
<b>50103, USGA, Red, Women</b>				
Ladies	2,113	74.0	76.0	136
Ladies Temp	929	73.3	73.3	136
USGA, Women, Red	2,465	76.0	76.0	136
TEMP, Women, Red	1,077	74.3	74.3	136
ST, Women, Red	4	76.0	76.0	136
<b>50103, USGA, Yellow, Women</b>				
USGA, Women, Yellow	324	72.0	72.0	129
TEMP, Women, Yellow	163	71.0	71.0	129
<b>50103, USGA, Black, Men</b>				
USGA, Men, Black	296	74.0	74.0	134
USGA, Men, Black, Short	112	73.0	74.0	134
TEMP, Men, Black	118	72.0	72.0	134
<b>Grand Total</b>	<b>44,767</b>	<b>72.8</b>	<b>72</b>	<b>132.9</b>



## Lake Karringup

Lake Karringup								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	26.7	36.3	(34.0)	(13.4)	16.2	23.8
2	Eight20		(15.1)	14.4	(58.8)	(28.2)	15.2	22.5
3	Eight20 Cap		(15.1)	14.4	(58.8)	(28.2)	15.2	22.5
4	Add NewSR		(20.9)	12.3	(63.3)	(29.9)	14.8	22.1
5	Add Anchor	Current	(23.8)	12.3	(65.9)	(29.9)	14.7	22.1
6	Add DSR		(0.5)	14.2	(58.7)	(31.5)	14.4	22.1
7	Add SHA		(6.6)	15.4	(63.7)	(31.4)	14.3	22.0
8	Add Slope	Sep 2013	(8.0)	6.2	(60.8)	(27.9)	14.5	22.1
6 v 5	Add DSR		23.2	2.0	7.2	(1.6)	(0.35)	0.07
7 v 6	Add SHA		(6.1)	1.1	(5.0)	0.1	(0.06)	(0.09)
8 v 7	Add Slope		(1.4)	(9.1)	2.9	3.5	0.18	0.07
8 v 5	Total Impact		15.8	(6.1)	5.1	2.0	(0.24)	0.04

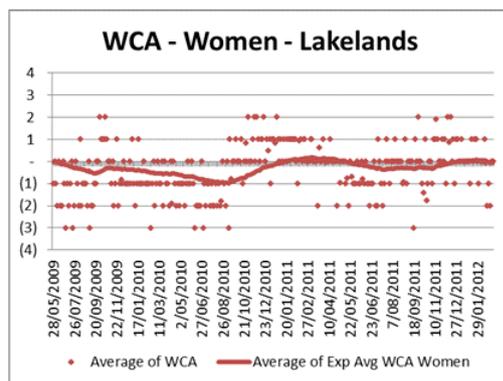
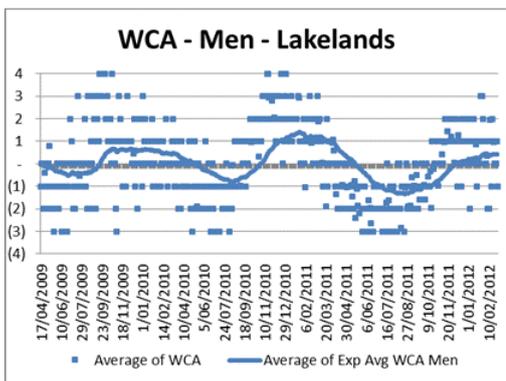
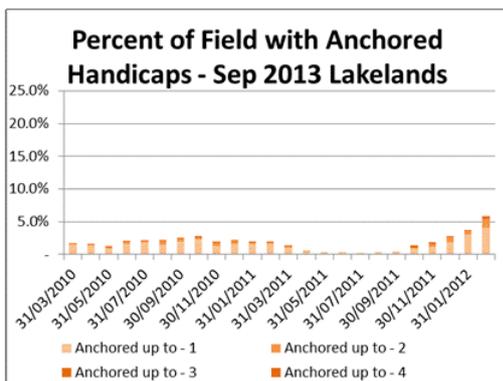
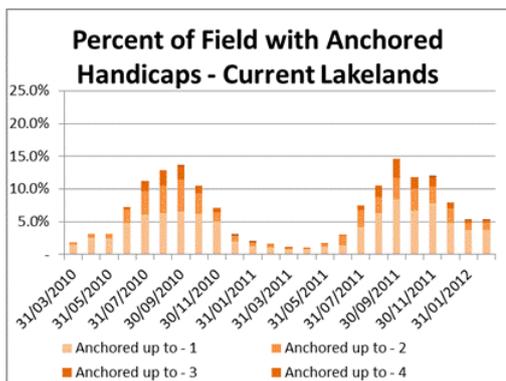
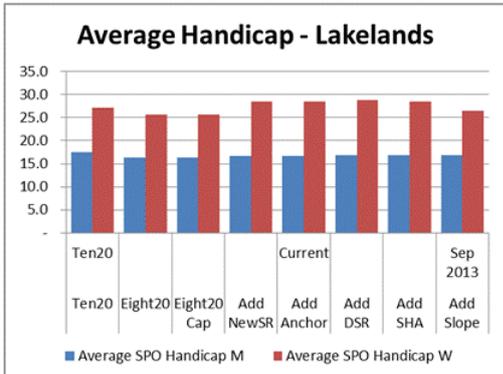
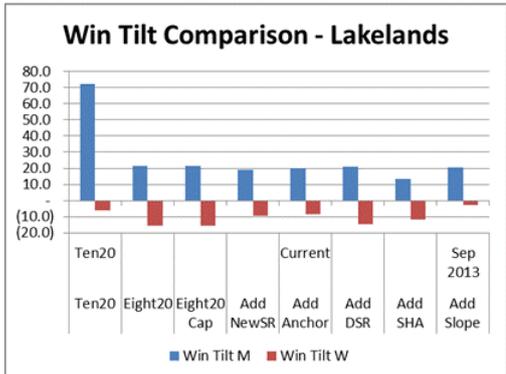
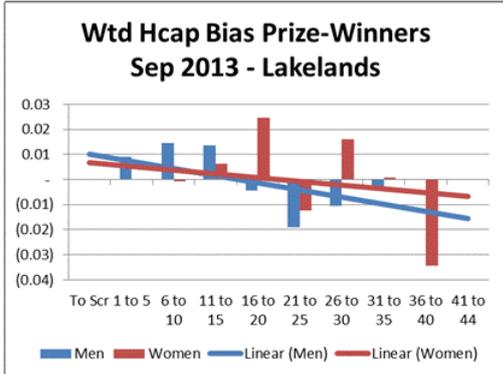
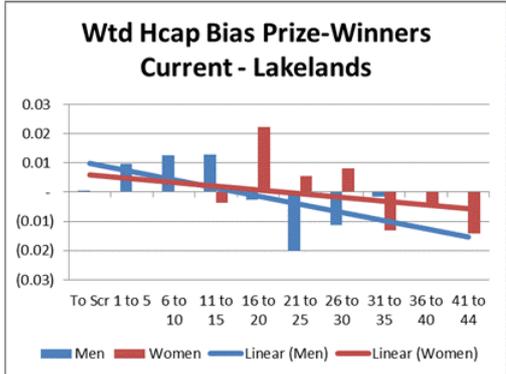
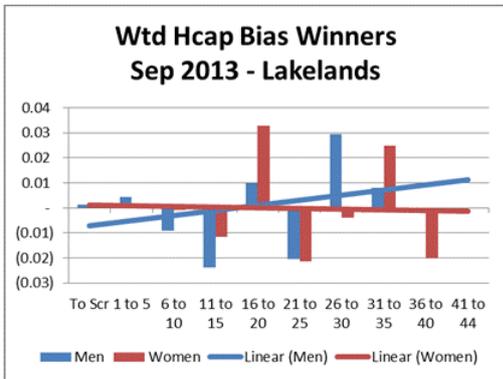
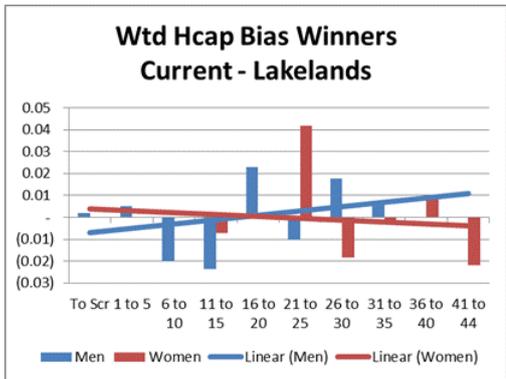
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>60108, USGA, White, Men</b>				
USGA, White, Men	20,667	73.0	73.0	129
Men - White	10,087	72.0	73.0	129
<b>60108, USGA, Red, Women, Short</b>				
USGA, Red, Women, Short Course	81	61.0	61.0	99
Women's - Short 07 onwards	936	60.0	60.0	99
Women - Short	17	61.0	61.0	99
<b>60108, USGA, Red, Women</b>				
USGA, Red, Women	7,089	75.0	75.0	131
Women - Standard	3,145	74.0	75.0	131
<b>60108, USGA, Blue, Men, Short</b>				
USGA, Blue, Men, Short Course	74	60.0	60.0	102
Men - Short 07 onwards	800	58.0	58.0	102
Men - Short	9	59.0	60.0	102
<b>60108, USGA, Blue, Men</b>				
USGA, Blue, Men	3,934	74.0	74.0	131
Men - Blue	1,756	73.0	74.0	131
<b>60108, USGA, Red, Women, Championship</b>				
USGA, Red, Women, Tournament	167	76.0	76.0	134
<b>60108, USGA, Black, Men</b>				
USGA, Black, Men	629	75.0	75.0	136
Men - Black	242	74.0	75.0	136
<b>Grand Total</b>	<b>49,633</b>	<b>72.7</b>	<b>73.0</b>	<b>129</b>



## Lakelands

Lakelands								
Scenario	Description	Status	Vin Tilt M	Vin Tilt V	Place Tilt M	Place Tilt V	Average SPO Handicap M	Average SPO Handicap V
1	Ten20	Ten20	72.4	(6.0)	(10.8)	(10.0)	17.5	27.1
2	Eight20		21.6	(15.5)	(27.0)	(18.6)	16.4	25.6
3	Eight20 Cap		21.5	(15.5)	(27.0)	(18.6)	16.4	25.6
4	Add NewSR		18.9	(9.3)	(26.2)	(12.7)	16.7	28.5
5	Add Anchor	Current	19.8	(8.4)	(27.8)	(12.8)	16.7	28.5
6	Add DSR		20.7	(14.6)	(26.6)	(12.4)	16.8	28.7
7	Add SHA		13.5	(11.7)	(29.1)	(14.6)	16.8	28.5
8	Add Slope	Sep 2013	20.6	(2.7)	(28.5)	(14.7)	16.8	26.5
6 v 5	Add DSR		0.9	(6.1)	1.2	0.4	0.17	0.24
7 v 6	Add SHA		(7.3)	2.9	(2.5)	(2.2)	(0.08)	(0.23)
8 v 7	Add Slope		7.1	9.0	0.6	(0.1)	0.01	(1.97)
8 v 5	Total Impact		0.8	5.7	(0.6)	(1.9)	0.10	(1.96)

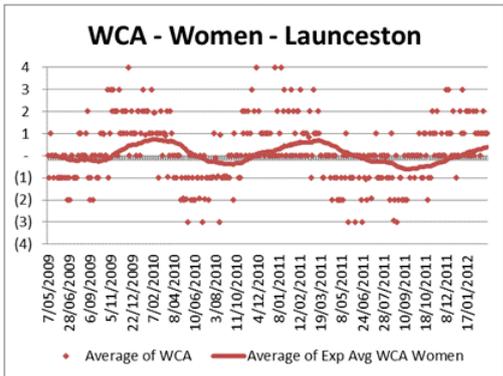
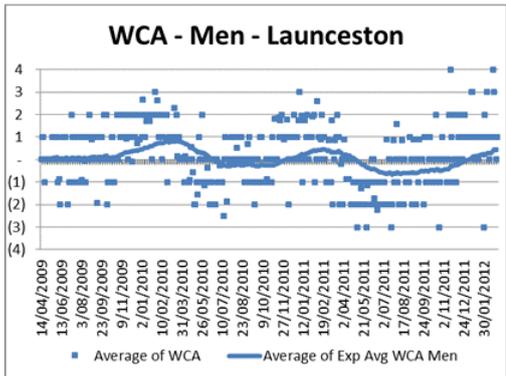
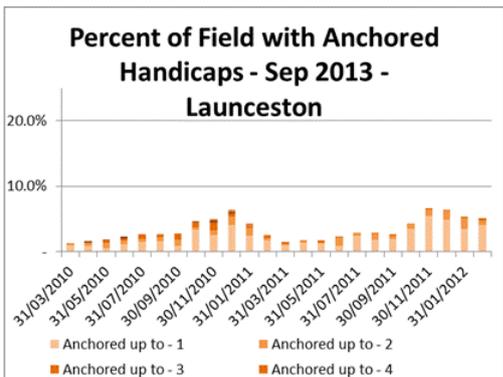
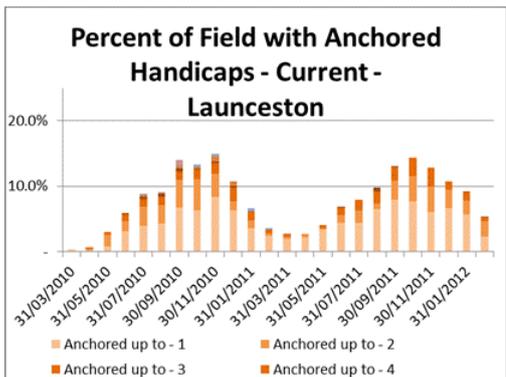
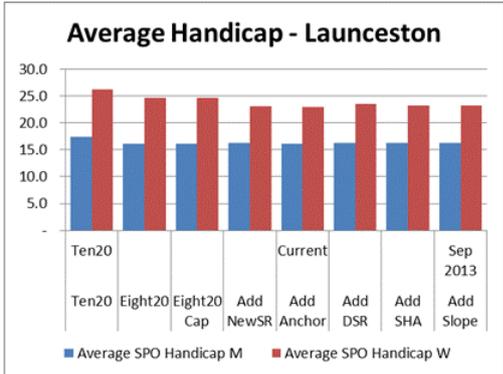
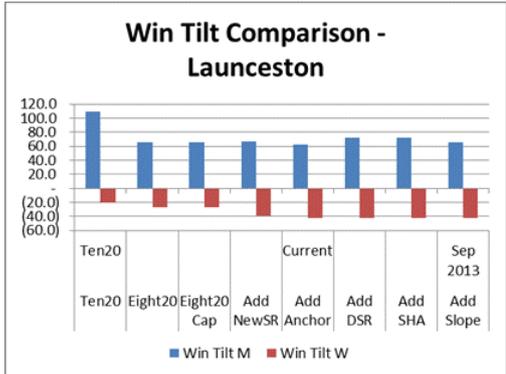
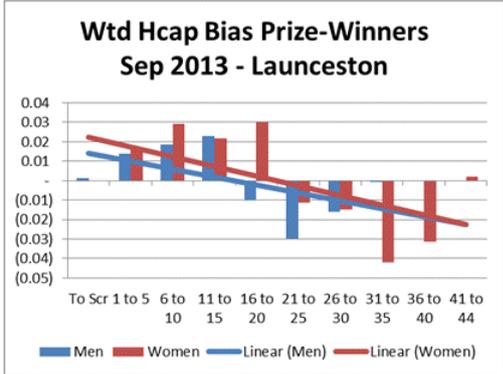
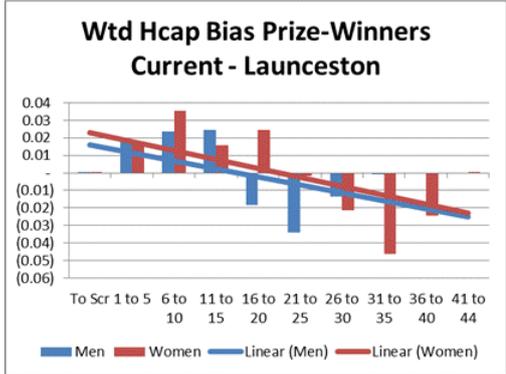
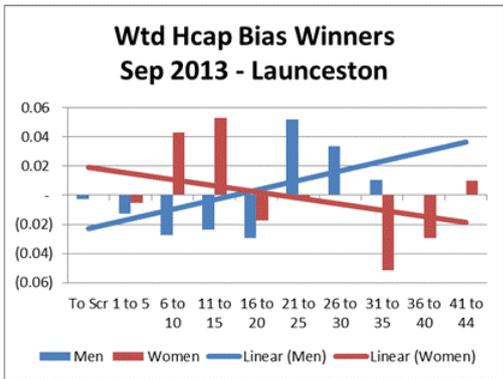
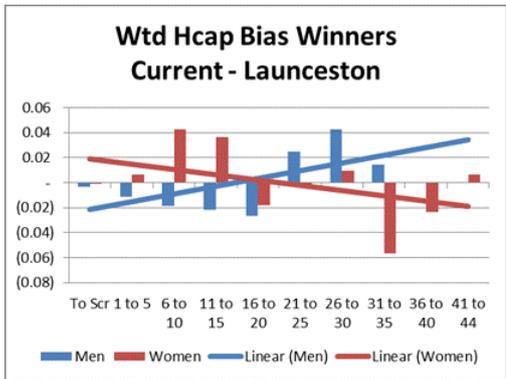
Description	The Courses			
	Rounds	Old SR	USGA SR	Slope
<b>76222, USGA, White, Men</b>				
Men	11,289	70.0	71.0	126
USGA, White, Men	2,839	71.0	71.0	126
<b>76222, USGA, Red, Women</b>				
USGA, Red, Women	404	73.0	73.0	124
Women	1,890	71.0	73.0	124
<b>76222, USGA, Blue, Men</b>				
USGA, Blue, Men	664	71.0	71.0	127
<b>76222, USGA, Men, Yellow</b>				
USGA, Yellow, Men	8	68.0	68.0	117
<b>Grand Total</b>	<b>17,094</b>	<b>70.4</b>	<b>71.3</b>	<b>126</b>



# Launceston

Launceston								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	109.5	(20.7)	(22.3)	(29.1)	17.3	26.2
2	Eight20		66.3	(26.6)	(42.3)	(43.3)	16.2	24.7
3	Eight20 Cap		66.0	(27.3)	(42.5)	(43.3)	16.2	24.7
4	Add NewSR		66.6	(38.6)	(42.1)	(46.1)	16.2	23.2
5	Add Anchor	Current	61.9	(42.6)	(45.3)	(50.9)	16.1	23.0
6	Add DSR		72.4	(42.5)	(38.9)	(46.7)	16.3	23.5
7	Add SHA		72.1	(41.8)	(42.6)	(50.7)	16.2	23.3
8	Add Slope	Sep 2013	66.1	(41.9)	(40.6)	(49.9)	16.2	23.3
6 v 5	Add DSR		10.4	0.1	6.4	4.3	0.15	0.47
7 v 6	Add SHA		(0.3)	0.7	(3.7)	(4.1)	(0.05)	(0.21)
8 v 7	Add Slope		(6.0)	(0.1)	2.0	0.9	(0.01)	0.03
8 v 5	Total Impact		4.2	0.7	4.7	1.1	0.08	0.29

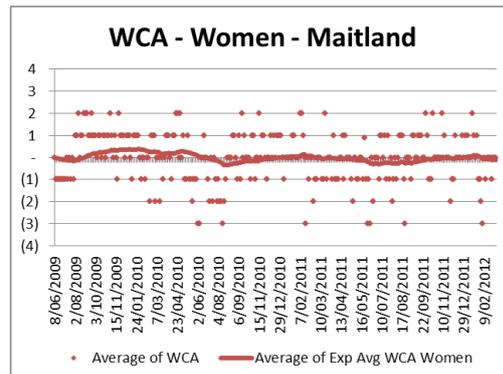
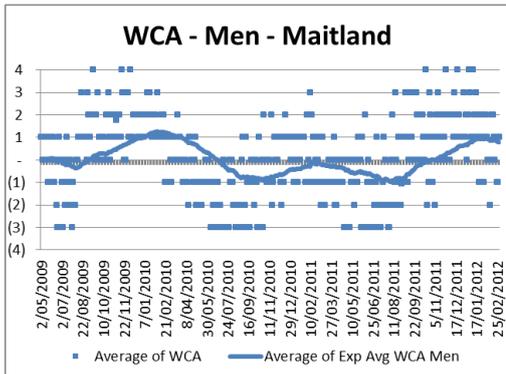
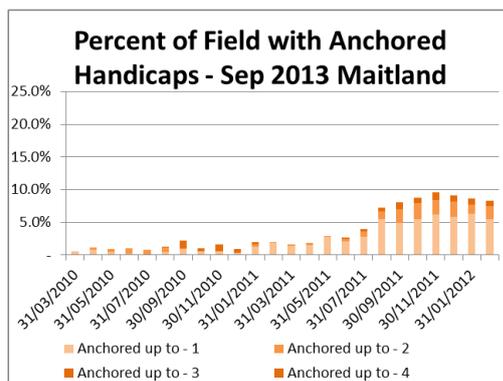
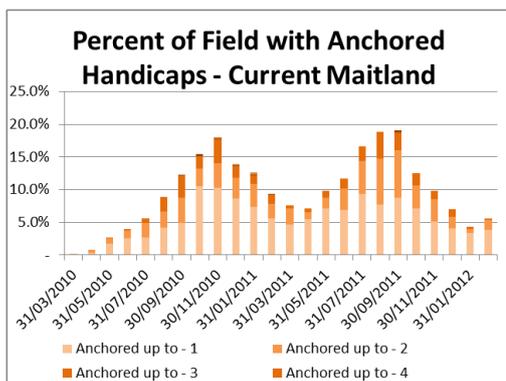
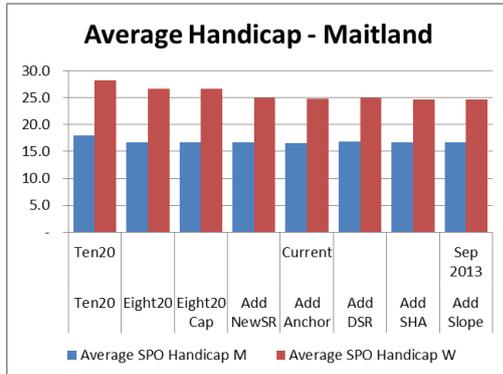
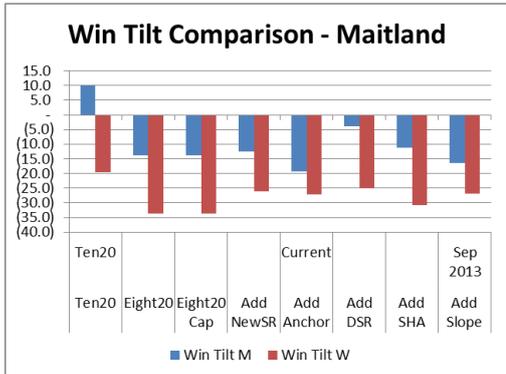
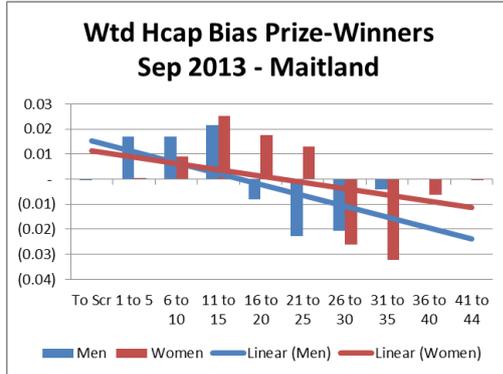
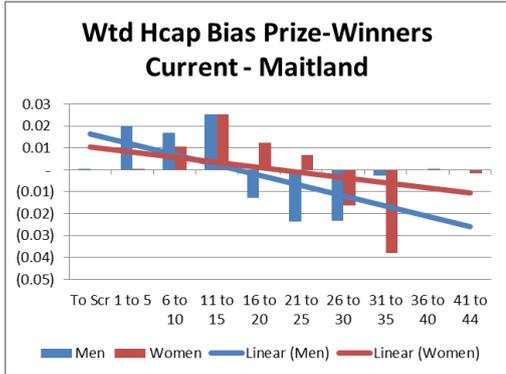
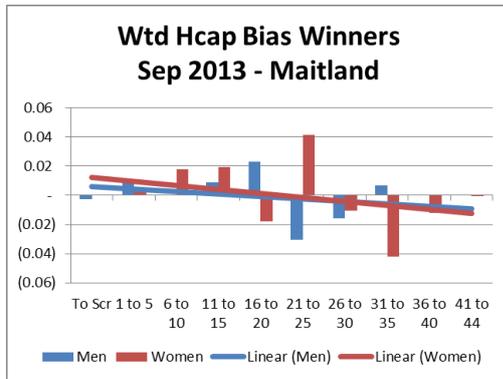
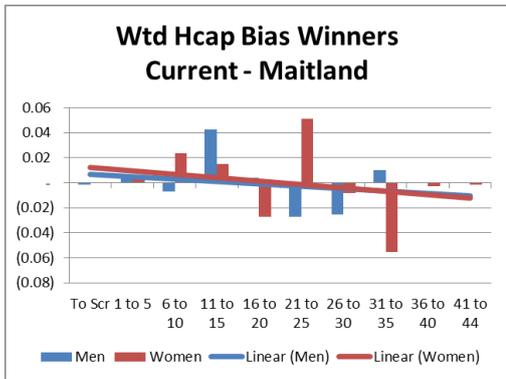
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>76323, USGA, White, Men</b>				
Men's	18,297	71.0	71.0	120
USGA, White, Men	4,040	71.0	71.0	120
<b>76323, USGA, Red, Women</b>				
Women's	4,323	72.0	74.0	125
USGA, Red, Women	1,062	74.0	74.0	125
<b>76323, USGA, Blue, Men</b>				
USGA, Blue, Men	674	72.0	72.0	122
<b>Grand Total</b>	<b>28,396</b>	<b>71.3</b>	<b>71.6</b>	<b>121</b>



# Maitland

Maitland								
Scenario	Description	Status	Vin Tilt M	Vin Tilt V	Place Tilt M	Place Tilt V	Average SPO Handicap M	Average SPO Handicap V
1	Ten20	Ten20	9.9	(19.6)	(30.9)	(13.4)	18.0	28.2
2	Eight20		(13.9)	(33.7)	(44.9)	(21.0)	16.7	26.6
3	Eight20 Cap		(13.9)	(33.7)	(44.9)	(21.0)	16.7	26.6
4	Add NewSR		(12.4)	(26.2)	(43.0)	(21.8)	16.7	24.9
5	Add Anchor	Current	(19.2)	(27.2)	(47.2)	(23.5)	16.6	24.8
6	Add DSR		(3.9)	(25.1)	(41.5)	(27.3)	16.8	25.0
7	Add SHA		(11.3)	(30.9)	(43.0)	(27.0)	16.7	24.7
8	Add Slope	Sep 2013	(16.4)	(26.9)	(43.4)	(25.3)	16.7	24.7
6 v 5	Add DSR		15.3	2.2	5.7	(3.8)	0.19	0.19
7 v 6	Add SHA		(7.4)	(5.8)	(1.5)	0.4	(0.10)	(0.28)
8 v 7	Add Slope		(5.0)	4.0	(0.4)	1.7	(0.03)	0.04
8 v 5	Total Impact		2.9	0.3	3.8	(1.8)	0.06	(0.06)

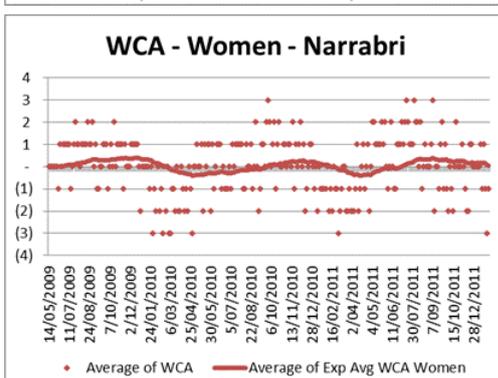
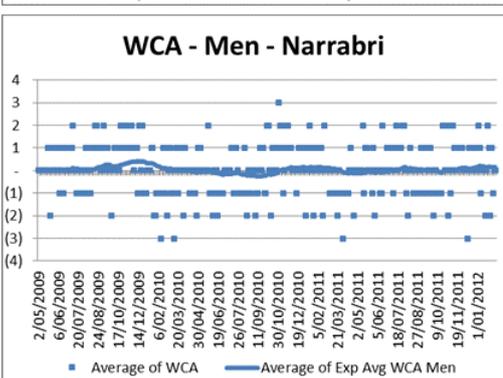
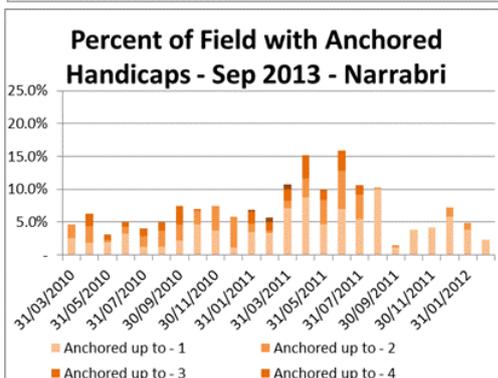
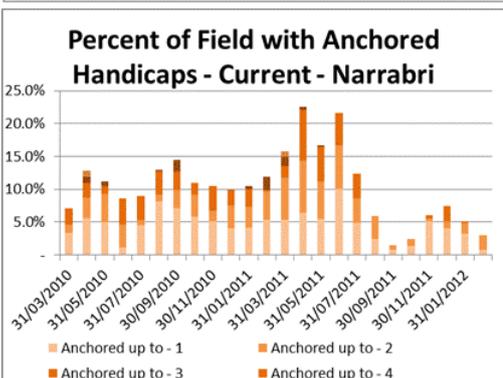
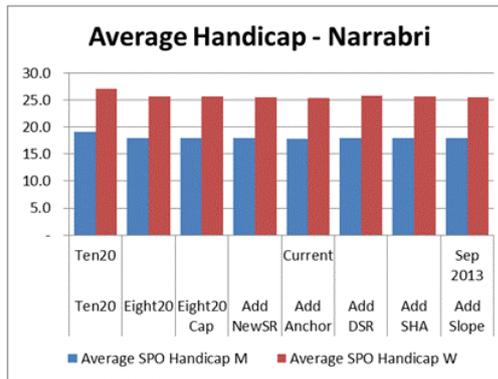
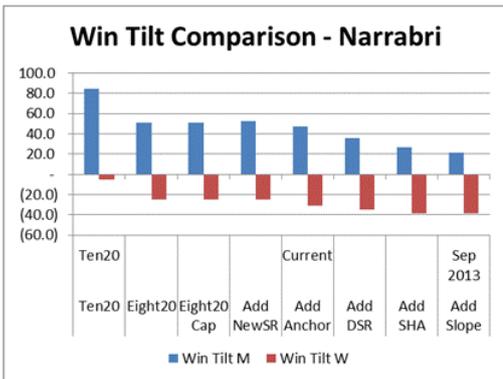
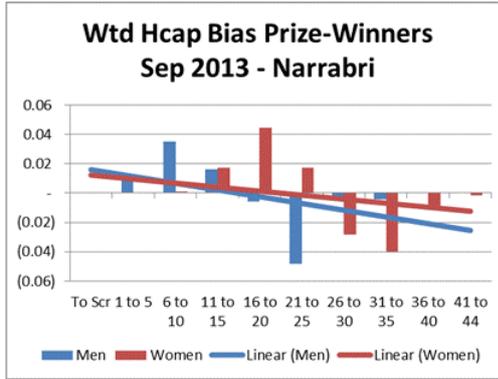
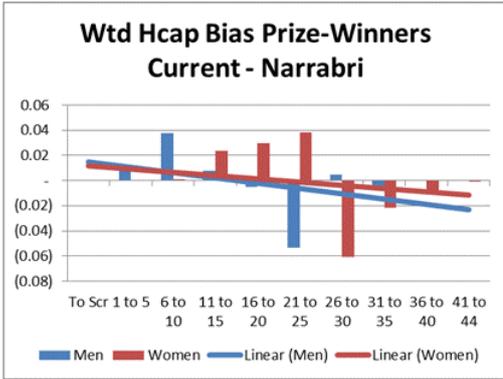
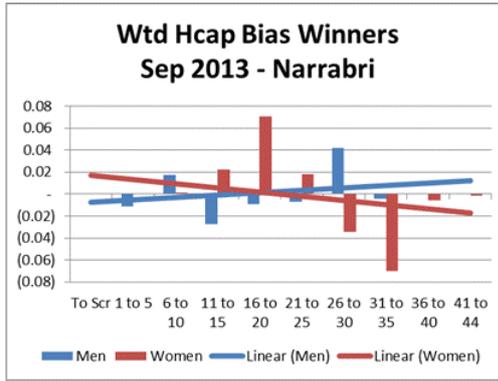
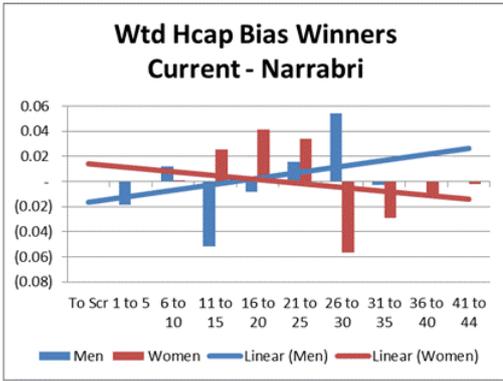
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>21108, USGA, Red, Women</b>				
Ladies	3,014	72.0	74.0	128
Ladies Temp	253	69.0	69.0	128
<b>21108, USGA, White, Men</b>				
Mens	24,225	70.0	70.0	127
Mens Temp 05	3,847	68.0	68.0	127
Mens Temp 01	1,915	67.6	67.6	127
<b>Grand Total</b>	<b>33,254</b>	<b>69.8</b>	<b>70.0</b>	<b>127</b>



## Narrabri

Narrabri								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	84.4	(4.9)	(24.3)	(10.3)	19.1	27.1
2	Eight20		50.8	(25.2)	(43.0)	(18.4)	17.9	25.6
3	Eight20 Cap		50.8	(25.2)	(43.0)	(18.4)	17.9	25.6
4	Add NewSR		52.3	(24.9)	(41.6)	(18.9)	17.9	25.6
5	Add Anchor	Current	47.5	(31.2)	(42.7)	(26.2)	17.8	25.4
6	Add DSR		36.1	(34.8)	(46.2)	(26.7)	18.0	25.8
7	Add SHA		27.0	(38.3)	(49.1)	(28.5)	18.0	25.6
8	Add Slope	Sep 2013	21.5	(38.3)	(46.2)	(27.6)	17.9	25.6
6 v 5	Add DSR		(11.4)	(3.6)	(3.5)	(0.4)	0.23	0.44
7 v 6	Add SHA		(9.1)	(3.5)	(3.0)	(1.8)	(0.04)	(0.20)
8 v 7	Add Slope		(5.5)	0.1	3.0	1.0	(0.05)	(0.04)
8 v 5	Total Impact		(26.0)	(7.0)	(3.5)	(1.3)	0.13	0.20

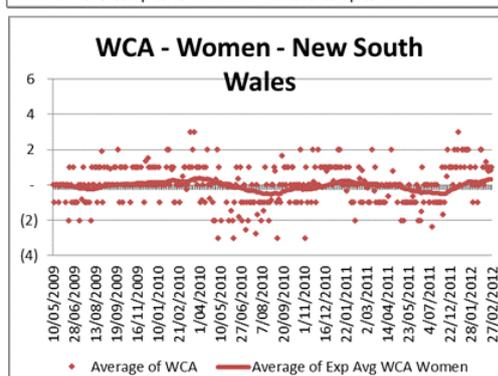
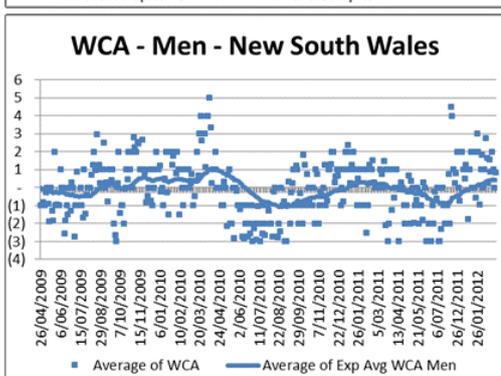
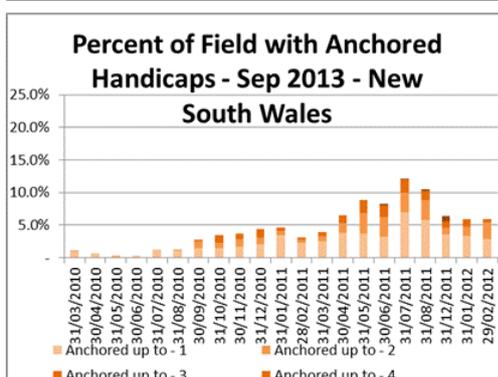
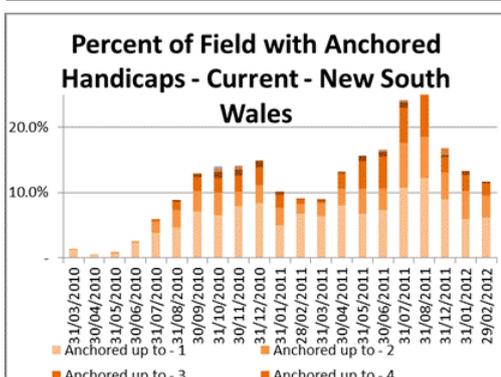
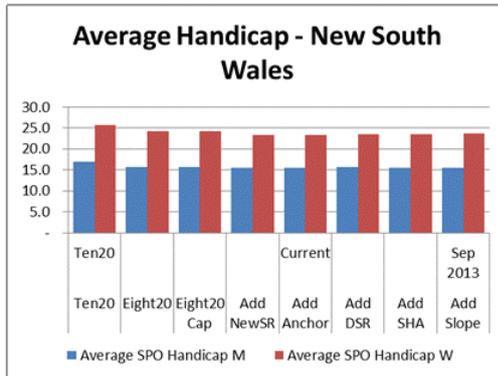
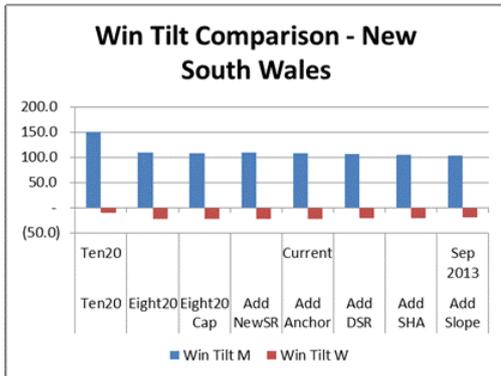
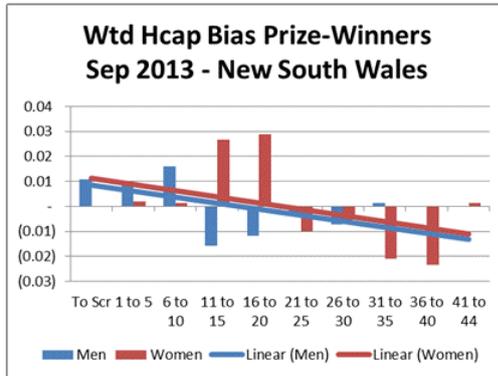
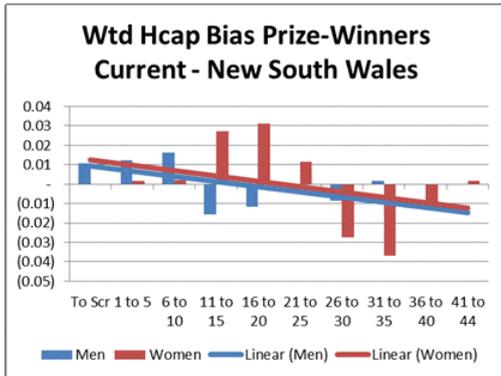
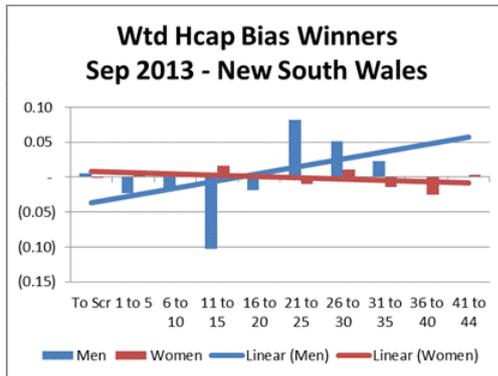
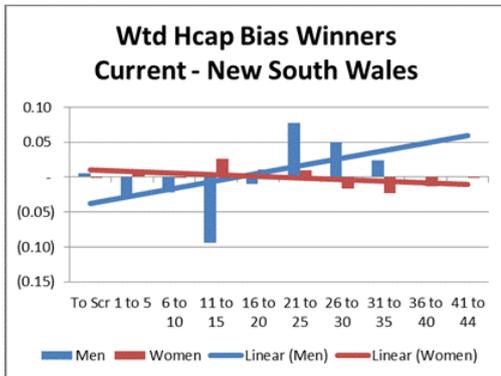
The Courses					
Description		Rounds	Old SR	USGA SR	Slope
Not Rated					
Men's		6,177	69.0	69.0	N/A
Women's		2,874	71.0	71.0	N/A
<b>Grand Total</b>		<b>9,051</b>	<b>69.6</b>	<b>69.6</b>	<b>N/A</b>



## New South Wales

New South Wales								
Scenario	Description	Status	Win Tilt M	Win Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	150.4	(10.4)	(6.9)	(16.9)	16.9	25.8
2	Eight20		108.8	(21.9)	(21.4)	(27.4)	15.7	24.2
3	Eight20 Cap		108.4	(22.9)	(21.6)	(27.6)	15.7	24.2
4	Add NewSR		110.0	(22.1)	(21.2)	(27.0)	15.6	23.4
5	Add Anchor	Current	108.6	(23.0)	(27.0)	(27.5)	15.4	23.3
6	Add DSR		106.0	(21.1)	(24.2)	(27.6)	15.6	23.5
7	Add SHA		105.7	(21.3)	(26.2)	(26.8)	15.6	23.4
8	Add Slope	Sep 2013	103.9	(18.9)	(24.0)	(24.9)	15.6	23.7
6 v 5	Add DSR		(2.5)	1.9	2.8	(0.1)	0.20	0.18
7 v 6	Add SHA		(0.4)	(0.2)	(2.0)	0.9	(0.06)	(0.08)
8 v 7	Add Slope		(1.8)	2.4	2.2	1.9	0.02	0.29
8 v 5	Total Impact		(4.7)	4.2	3.0	2.6	0.15	0.39

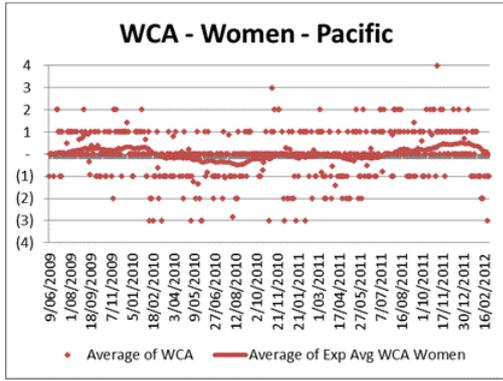
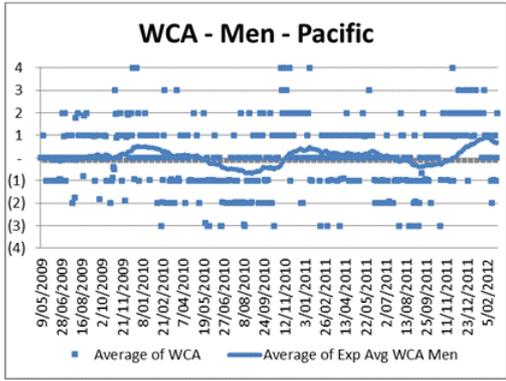
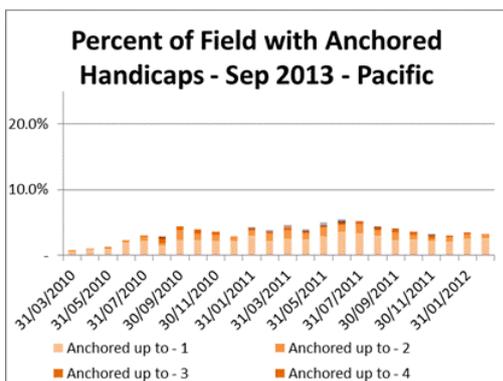
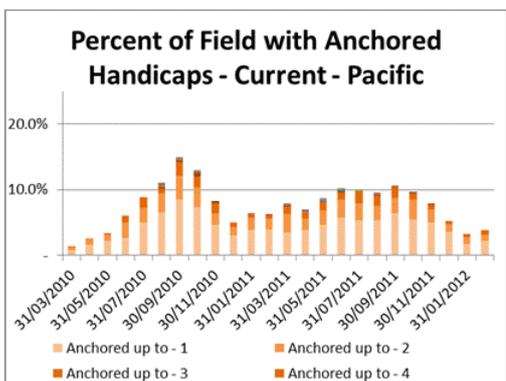
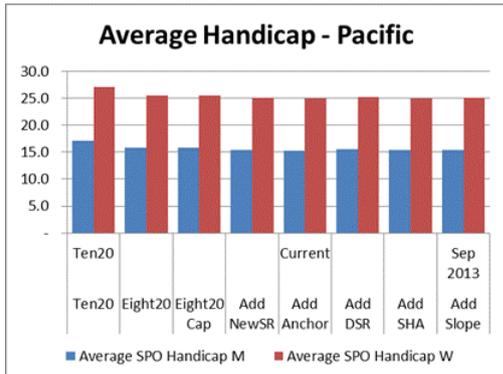
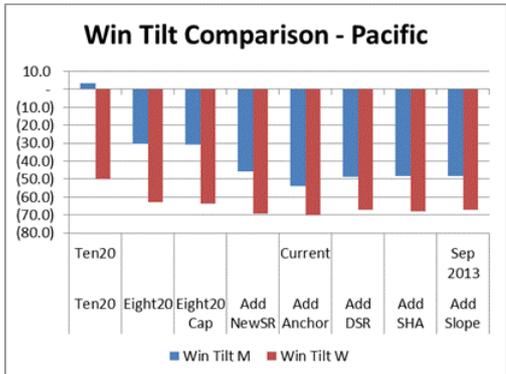
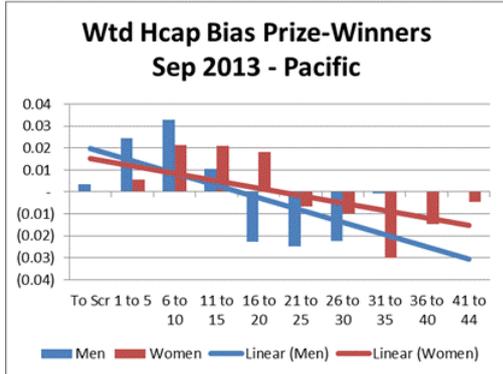
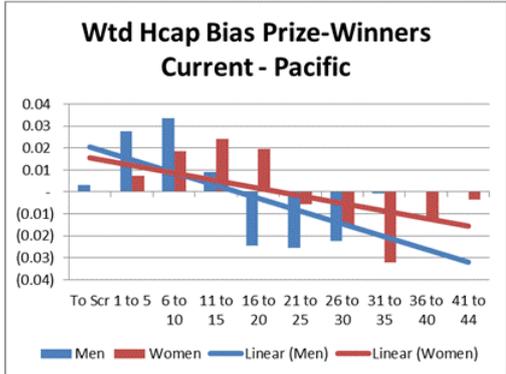
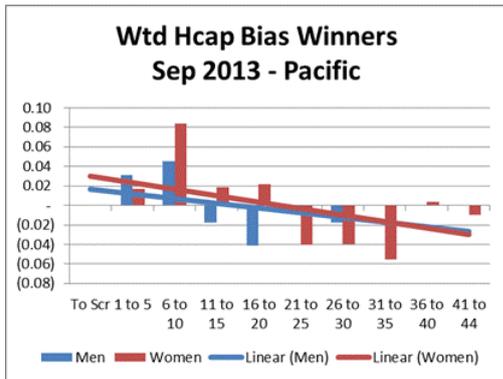
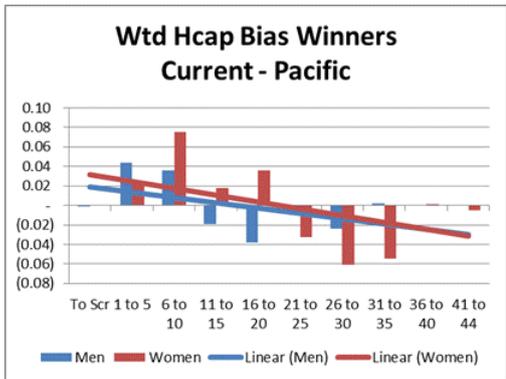
The Courses					
Description	Rounds	Old SR	USGA SR	Slope	
<b>Not Used</b>					
L Temp 9	28	74.0	74.0	NA	
<b>20117, USGA, Blue/White, Men Challenge</b>					
Challenge Course	10,754	72.9	73.0	132	
<b>20117, USGA, White, Men</b>					
Members Course	9,768	71.9	72.0	132	
NSW Mens	213	71.0	72.0	132	
<b>20117, USGA, Blue, Men</b>					
Championship	4,349	74.0	74.0	135	
Championship Course	99	71.0	74.0	135	
<b>20117, USGA, Gold, Men</b>					
Mens Gold	191	70.0	71.0	127	
<b>20117, USGA, Red, Women</b>					
Ladies Course 3	4,297	75.0	76.0	138	
Red Course	50	73.0	76.0	138	
Ladies Course 4	83	73.0	73.0	138	
L Temp 2	19	73.0	73.0	138	
LC Front 9 twice	11	73.0	73.0	138	
LC Back 9 twice	10	77.0	77.0	138	
L Temp 8 SC	120	72.0	72.0	138	
L Temp 4	91	72.0	72.0	138	
L Temp 5 SC	28	69.0	69.0	138	
<b>Grand Total</b>	<b>30,111</b>	<b>73.0</b>	<b>73.2</b>	<b>133</b>	



## Pacific

Pacific								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	3.2	(49.9)	(32.2)	(19.8)	17.1	27.0
2	Eight20		(30.3)	(62.9)	(50.8)	(31.9)	15.9	25.5
3	Eight20 Cap		(30.6)	(63.6)	(50.9)	(31.9)	15.9	25.5
4	Add NewSR		(45.6)	(69.3)	(54.8)	(33.4)	15.4	25.0
5	Add Anchor	Current	(53.8)	(69.9)	(58.2)	(34.5)	15.3	25.0
6	Add DSR		(48.9)	(67.1)	(56.1)	(32.4)	15.5	25.2
7	Add SHA		(48.3)	(68.0)	(57.5)	(34.4)	15.4	25.0
8	Add Slope	Sep 2013	(48.3)	(67.1)	(55.9)	(33.8)	15.5	25.0
6 v 5	Add DSR		4.9	2.8	2.1	2.1	0.18	0.22
7 v 6	Add SHA		0.6	(0.9)	(1.4)	(2.0)	(0.08)	(0.20)
8 v 7	Add Slope		(0.0)	0.9	1.6	0.5	0.01	0.06
8 v 5	Total Impact		5.5	2.8	2.4	0.7	0.12	0.08

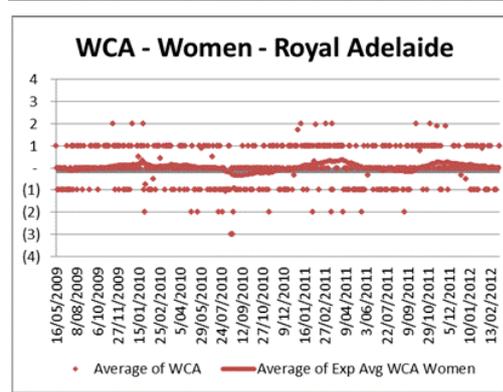
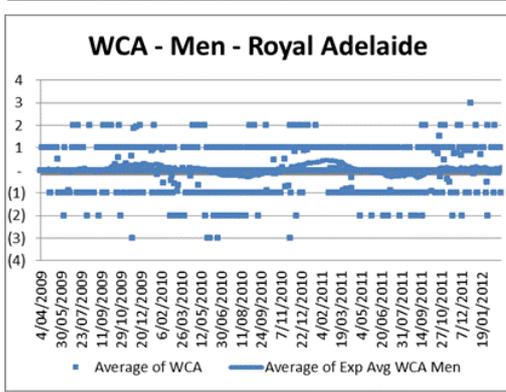
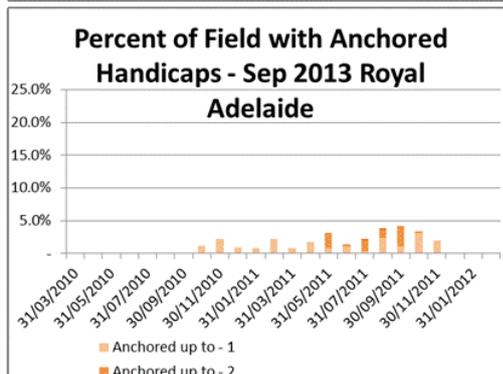
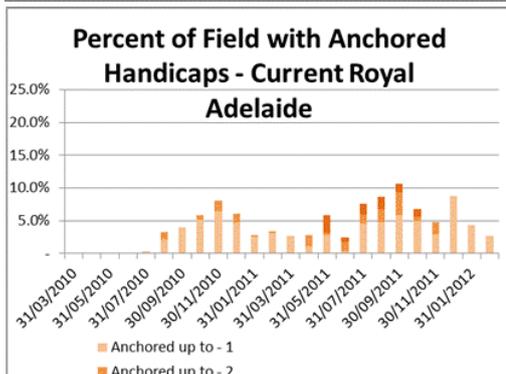
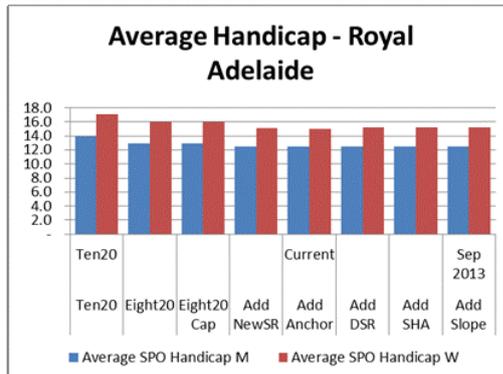
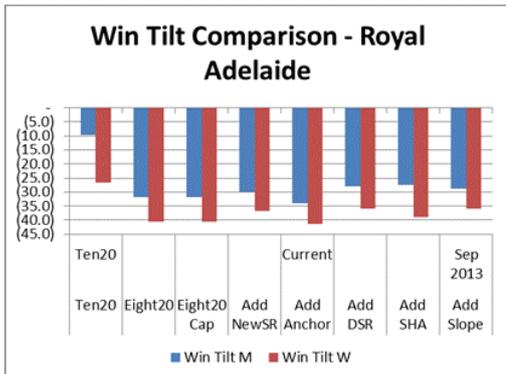
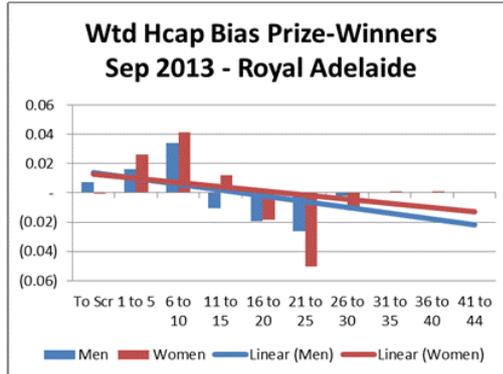
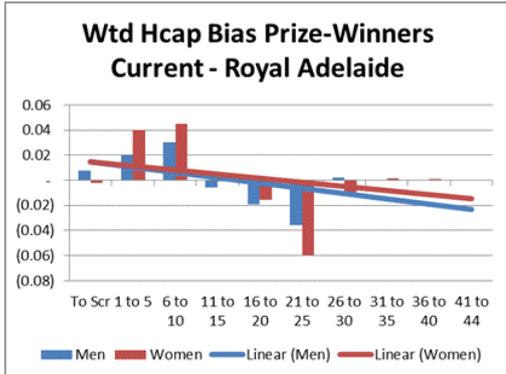
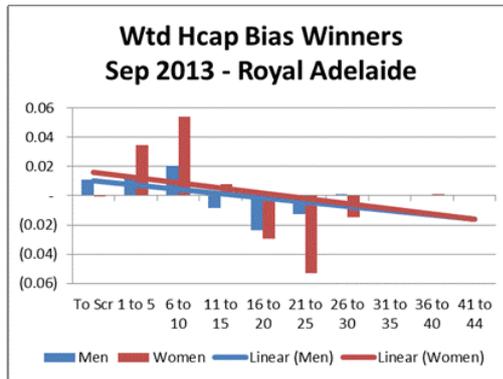
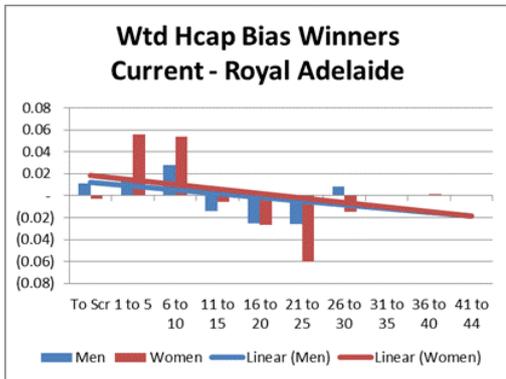
The Courses					
Description	Rounds	Old SR	USGA SR	Slope	
<b>40112, USGA, Red, Women</b>					
Ladies	4,244	72.9	74.0	131	
USGA - Red - Womens	3,468	74.0	74.0	131	
Ladies Temp C	1,274	72.0	72.0	131	
Ladies Temp A	303	70.0	70.0	131	
Ladies Temp F	1,153	71.9	71.9	131	
Ladies Temp D	254	71.0	71.0	131	
Ladies Temp B	97	68.0	68.0	131	
<b>40112, USGA, White, Men</b>					
USGA - White - Mens	8,078	72.0	72.0	129	
Men White Tees	19,161	70.9	72.0	129	
Mens Temp White B	2,863	70.0	72.0	129	
Men White Temp	765	68.0	72.0	129	
<b>40112, USGA, Blue, Men</b>					
USGA - Blue - Mens	9,836	73.0	73.0	130	
Mens Temp Blue	1,076	70.7	70.7	130	
Men Blue Tees	12,686	73.0	73.0	130	
<b>Grand Total</b>	<b>65,258</b>	<b>72.0</b>	<b>72.5</b>	<b>130</b>	



## Royal Adelaide

Royal Adelaide								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	(9.7)	(26.7)	(18.5)	(20.9)	13.9	17.1
2	Eight20		(31.7)	(40.6)	(39.4)	(30.8)	12.9	16.0
3	Eight20 Cap		(31.7)	(40.6)	(39.4)	(30.8)	12.9	16.0
4	Add NewSR		(30.0)	(36.7)	(39.1)	(28.3)	12.5	15.1
5	Add Anchor	Current	(34.1)	(41.4)	(41.8)	(32.7)	12.4	15.0
6	Add DSR		(28.0)	(35.8)	(38.7)	(28.7)	12.5	15.2
7	Add SHA		(27.5)	(38.9)	(41.1)	(30.4)	12.5	15.2
8	Add Slope	Sep 2013	(28.7)	(35.8)	(39.4)	(28.7)	12.5	15.2
6 v 5	Add DSR		6.1	5.6	3.1	4.0	0.09	0.26
7 v 6	Add SHA		0.5	(3.1)	(2.4)	(1.7)	(0.04)	(0.08)
8 v 7	Add Slope		(1.3)	3.1	1.7	1.7	0.03	0.04
8 v 5	Total Impact		5.3	5.6	2.4	4.0	0.08	0.22

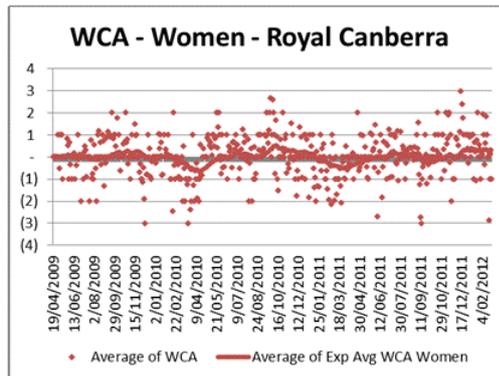
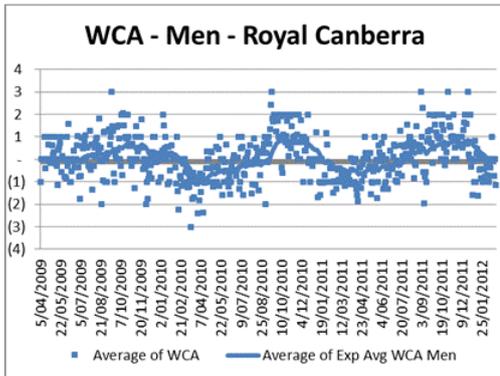
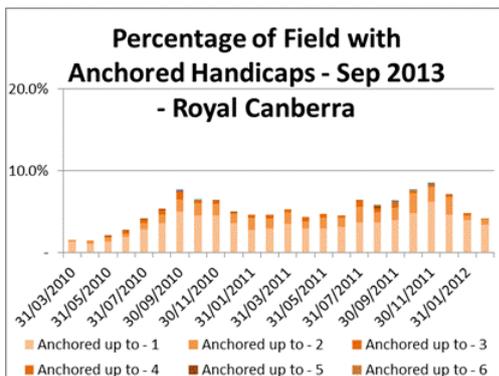
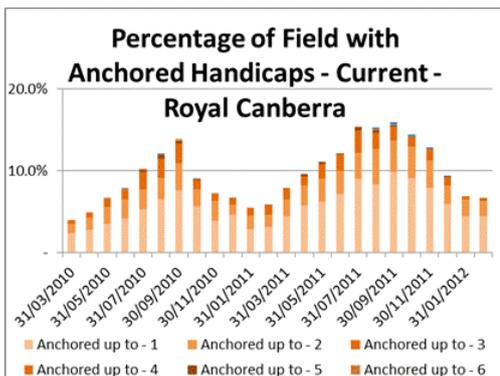
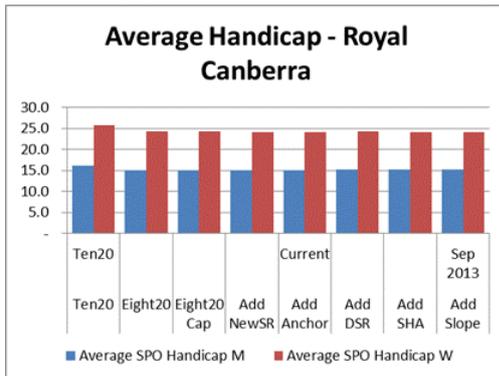
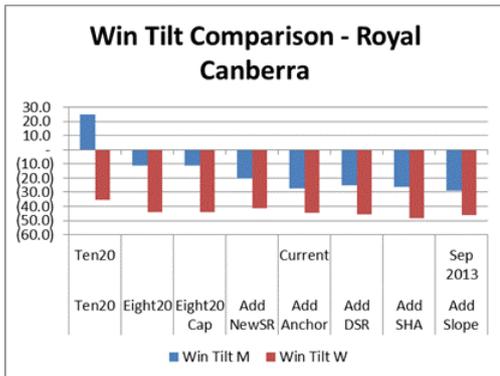
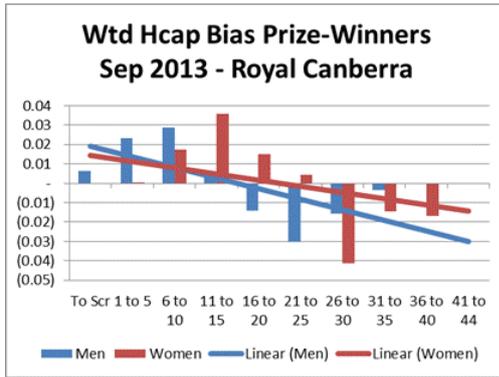
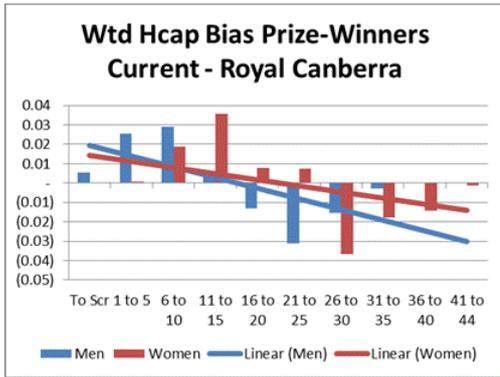
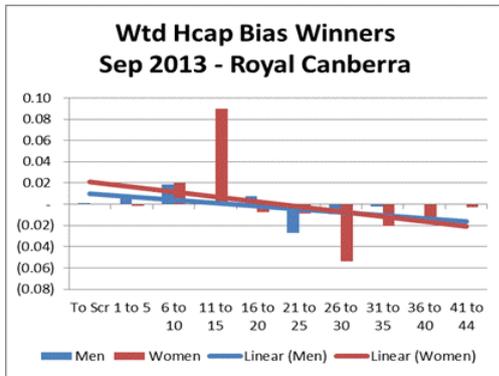
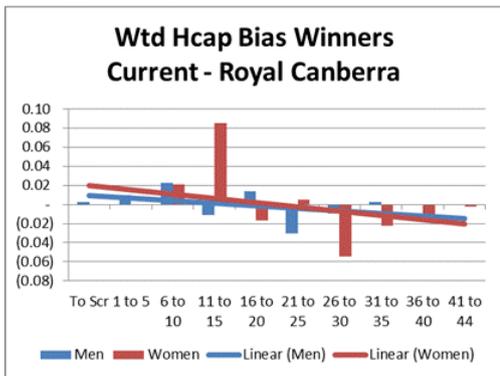
Description	The Courses			
	Rounds	Old SR	USGA SR	Slope
<b>76222, USGA, White, Men</b>				
Men	11,289	70.0	71.0	126
USGA, White, Men	2,839	71.0	71.0	126
<b>76222, USGA, Red, Women</b>				
USGA, Red, Women	404	73.0	73.0	124
Women	1,890	71.0	73.0	124
<b>76222, USGA, Blue, Men</b>				
USGA, Blue, Men	664	71.0	71.0	127
<b>76222, USGA, Men, Yellow</b>				
USGA, Yellow, Men	8	68.0	68.0	117
<b>Grand Total</b>	<b>17,094</b>	<b>70.4</b>	<b>71.3</b>	<b>126</b>



# Royal Canberra

Royal Canberra								
Scenario	Description	Status	Vin Tilt M	Vin Tilt V	Place Tilt M	Place Tilt V	Average SPO Handicap M	Average SPO Handicap V
1	Ten20	Ten20	25.1	(35.2)	(26.3)	(20.0)	16.1	25.7
2	Eight20		(11.3)	(43.8)	(47.8)	(31.4)	15.0	24.3
3	Eight20 Cap		(11.4)	(43.8)	(47.8)	(31.4)	15.0	24.3
4	Add NewSR		(20.4)	(41.4)	(50.4)	(30.1)	15.1	24.2
5	Add Anchor	Current	(27.4)	(44.4)	(54.8)	(31.5)	15.1	24.1
6	Add DSR		(25.1)	(45.4)	(54.1)	(31.6)	15.2	24.3
7	Add SHA		(26.2)	(48.4)	(55.4)	(34.2)	15.2	24.2
8	Add Slope	Sep 2013	(29.0)	(46.4)	(54.7)	(31.9)	15.2	24.1
6 v 5	Add DSR		2.2	(1.0)	0.7	(0.1)	0.16	0.20
7 v 6	Add SHA		(1.1)	(3.0)	(1.4)	(2.6)	(0.03)	(0.13)
8 v 7	Add Slope		(2.8)	2.0	0.7	2.3	(0.03)	(0.08)
8 v 5	Total Impact		(1.7)	(2.0)	0.1	(0.4)	0.11	(0.00)

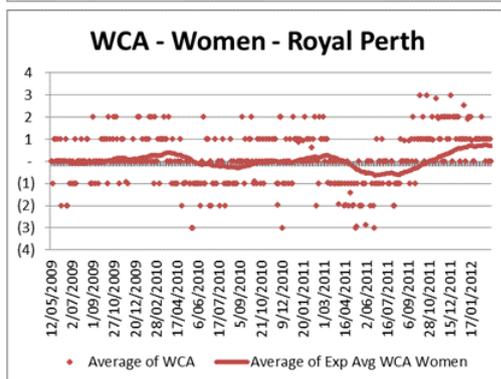
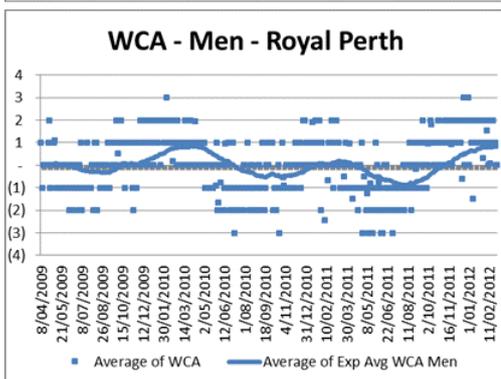
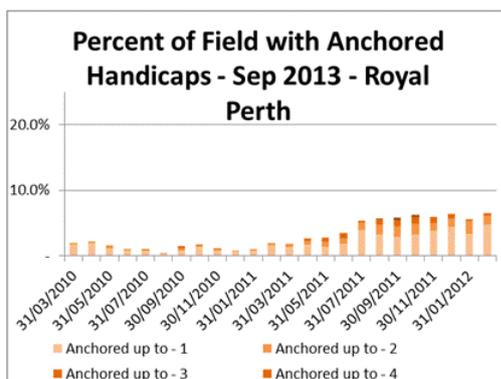
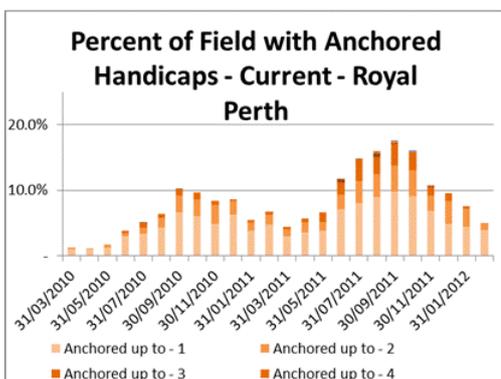
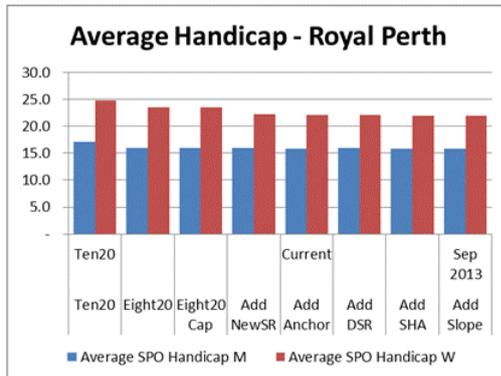
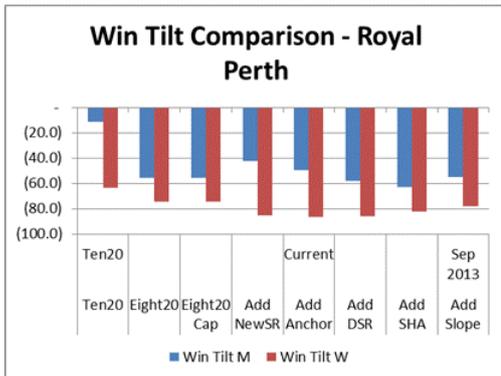
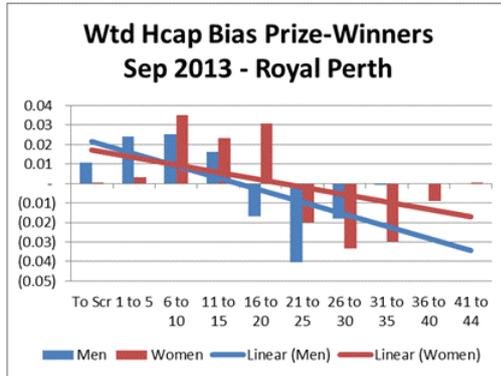
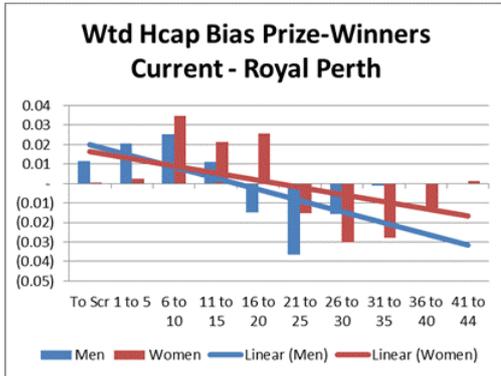
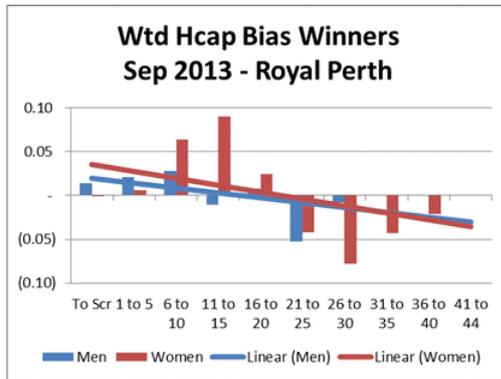
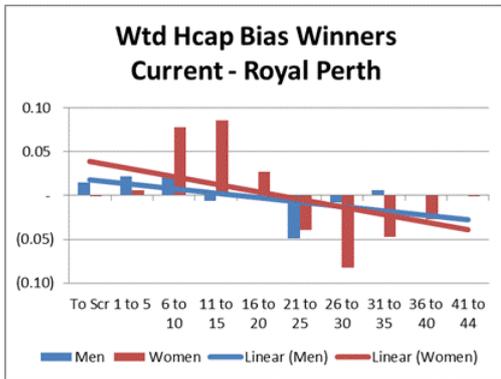
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>20618, USGA, Red, Women, Westbourne</b>				
USGA, Red, West, Women	463	75.0	75.0	129
West - Women	4,609	75.0	75.0	129
<b>20618, USGA, Red, Women, Brindabella</b>				
USGA, Red, Brin, Women	470.0	74.0	74	127.0
Brin - Women	4,196.0	74.0	74	127.0
<b>20618, USGA, White, Men, Brindabella</b>				
USGA, White, Brin, Men	1,883.0	72.0	72	134.0
Brin - White	18,490.0	71.0	72	134.0
<b>20618, USGA, Red, Women, Yarralumla</b>				
USGA, Red, Yarra, Women	262.0	75.0	75	131.0
Yarra - Women	3,992.0	75.0	75	131.0
<b>20618, USGA, White, Men, Yarralumla</b>				
USGA, White, Yarra, Men	1,930.0	72.0	72	130.0
Yarra - White	20,461.0	72.0	72	130.0
<b>20618, USGA, White, Men, Westbourne</b>				
USGA, White, West, Men	2,355.0	72.0	72	130.0
West - White	25,485.0	73.0	72	130.0
<b>20618, USGA, Blue, Men, Brindabella</b>				
USGA, Blue, Brin, Men	278.0	73.0	73	137.0
Brin - Blue	2,297.0	74.0	73	137.0
<b>20618, USGA, Blue, Men, Yarralumla</b>				
USGA, Blue, Yarra, Men	228.0	74.0	74	134.0
Yarra - Blue	2,255.0	74.0	74	134.0
<b>20618, USGA, Blue, Men, Westbourne</b>				
USGA, Blue, West, Men	361.0	74.0	74	132.0
West - Blue	3,347.0	74.0	74	132.0
<b>Grand Total</b>	<b>93,362</b>	<b>72.7</b>	<b>73</b>	<b>131.1</b>



## Royal Perth

Royal Perth								
Scenario	Description	Status	Win Tilt M	Win Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	(11.5)	(63.6)	(34.9)	(18.7)	17.1	24.9
2	Eight20		(55.6)	(74.3)	(57.8)	(31.0)	16.0	23.5
3	Eight20 Cap		(55.7)	(74.3)	(57.7)	(31.0)	16.0	23.5
4	Add NewSR		(42.3)	(85.3)	(53.5)	(35.0)	15.9	22.2
5	Add Anchor	Current	(49.6)	(86.6)	(57.2)	(36.9)	15.8	22.2
6	Add DSR		(58.1)	(85.7)	(61.8)	(36.9)	15.9	22.1
7	Add SHA		(63.0)	(82.5)	(65.5)	(39.1)	15.9	21.9
8	Add Slope	Sep 2013	(55.1)	(78.2)	(62.0)	(38.1)	15.8	22.0
6 v 5	Add DSR		(8.5)	0.9	(4.6)	(0.0)	0.07	(0.04)
7 v 6	Add SHA		(4.8)	3.2	(3.7)	(2.2)	(0.06)	(0.18)
8 v 7	Add Slope		7.9	4.4	3.5	1.0	(0.03)	0.05
8 v 5	Total Impact		(5.5)	8.4	(4.8)	(1.2)	(0.01)	(0.17)

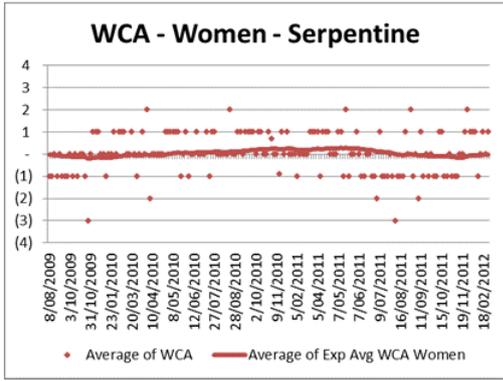
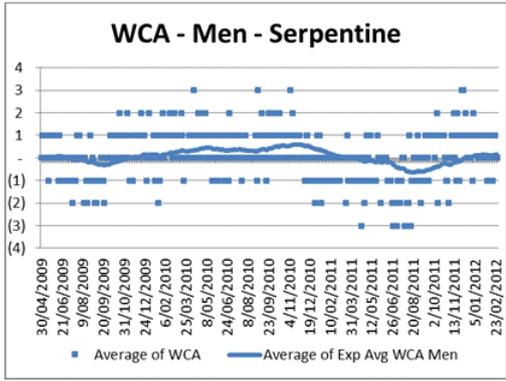
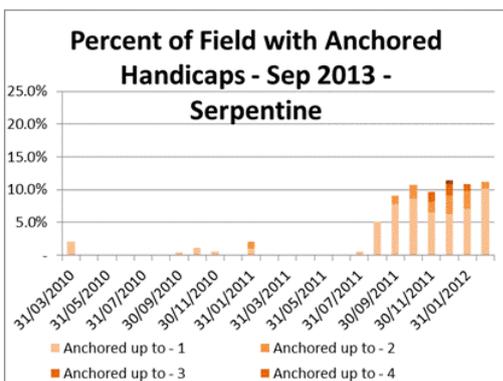
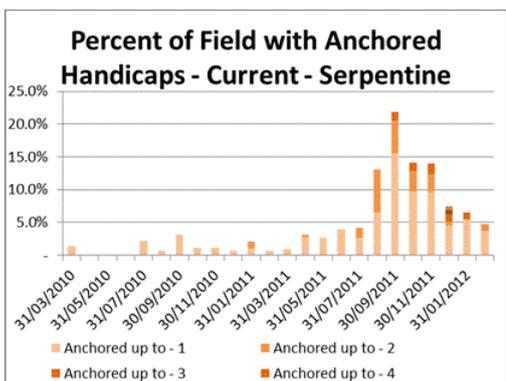
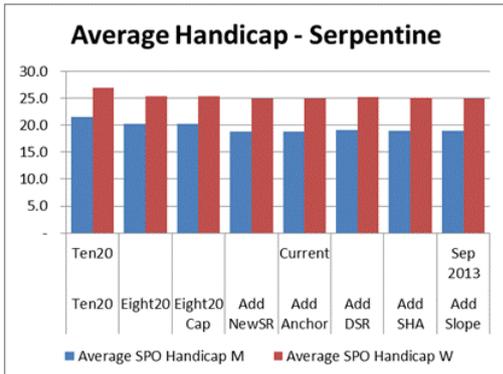
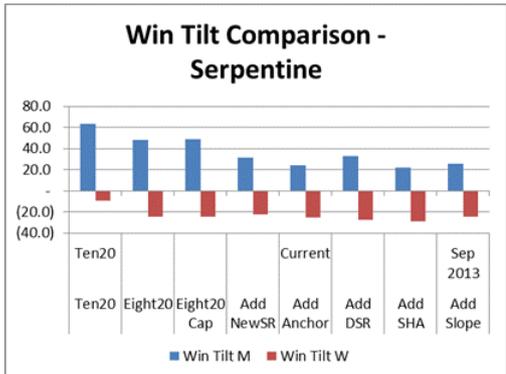
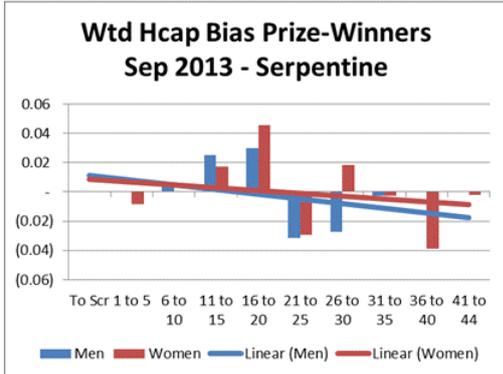
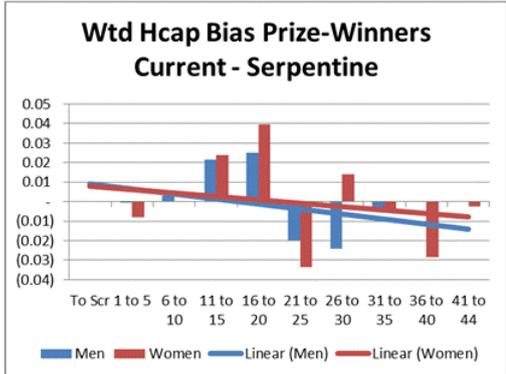
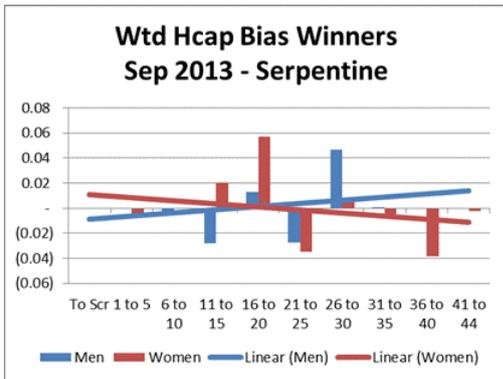
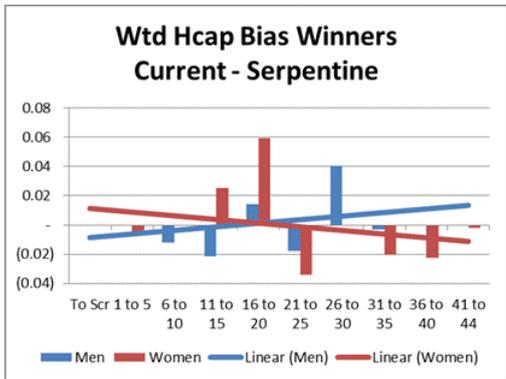
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>60116, USGA, White, Men</b>				
USGA, White, Men	21,700	72.0	72.0	131
Mens Cyclical Course	10,796	72.0	72.0	131
Social Course	764	70.0	70.0	131
<b>60116, USGA, Yellow, Men</b>				
USGA, Yellow, Men	1,923	71.0	70.0	129
<b>60116, USGA, Blue, Men</b>				
USGA, Blue, Men	3,694	72.0	73.0	132
Mens Championship Course	2,537	72.0	73.0	132
<b>60116, USGA, Red, Women</b>				
USGA, Red, Women	6,836	75.0	76.0	135
Womens Course	3,156	74.0	76.0	135
<b>Grand Total</b>	<b>51,406</b>	<b>72.5</b>	<b>72.8</b>	<b>132</b>



## Serpentine

Serpentine								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	63.6	(9.5)	(1.1)	(10.0)	21.5	26.9
2	Eight20		47.9	(24.3)	(17.3)	(19.9)	20.2	25.4
3	Eight20 Cap		48.8	(24.3)	(17.1)	(19.9)	20.2	25.4
4	Add NewSR		31.6	(22.3)	(23.4)	(15.1)	18.9	25.0
5	Add Anchor	Current	24.2	(25.3)	(25.9)	(17.5)	18.8	24.9
6	Add DSR		32.8	(27.2)	(29.1)	(17.0)	19.1	25.3
7	Add SHA		22.3	(28.8)	(31.8)	(23.6)	19.0	25.0
8	Add Slope	Sep 2013	25.4	(24.7)	(31.7)	(19.4)	19.0	24.9
6 v 5	Add DSR		8.6	(1.9)	(3.1)	0.5	0.26	0.32
7 v 6	Add SHA		(10.5)	(1.6)	(2.7)	(6.6)	(0.05)	(0.22)
8 v 7	Add Slope		3.2	4.2	0.1	4.3	(0.07)	(0.12)
8 v 5	Total Impact		1.3	0.6	(5.8)	(1.9)	0.14	(0.02)

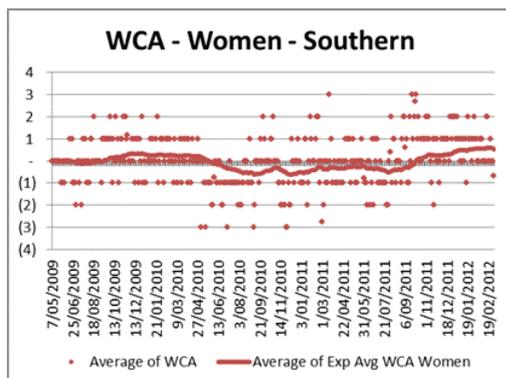
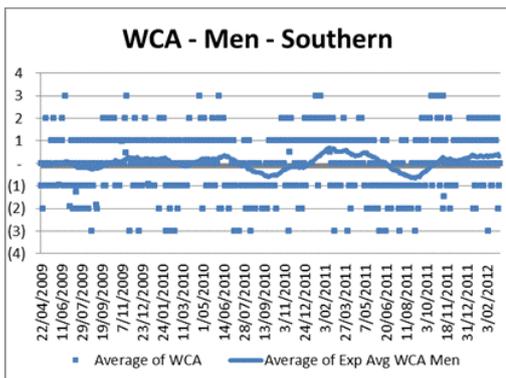
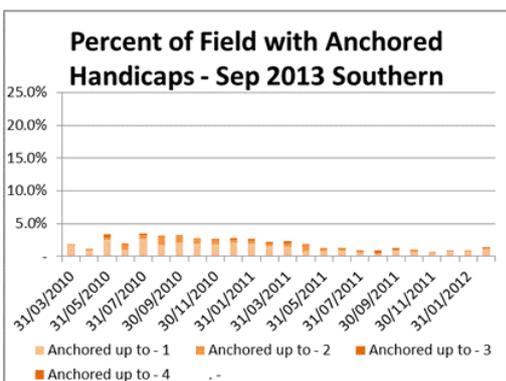
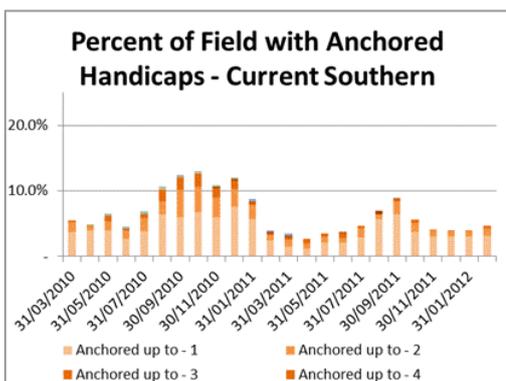
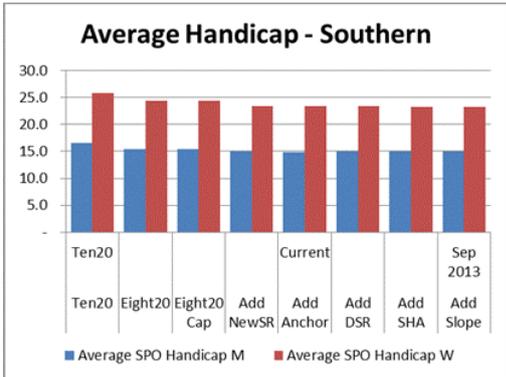
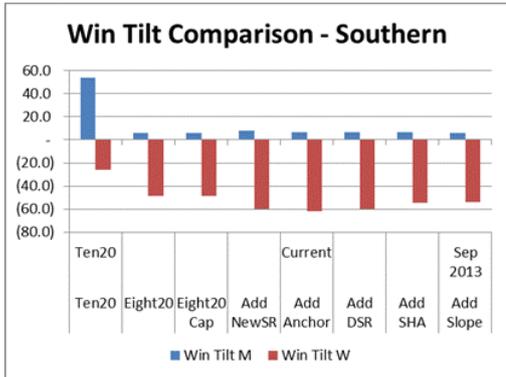
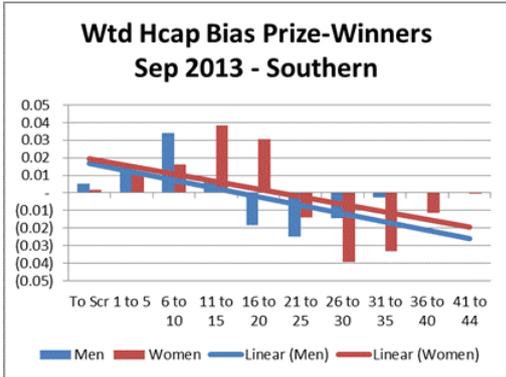
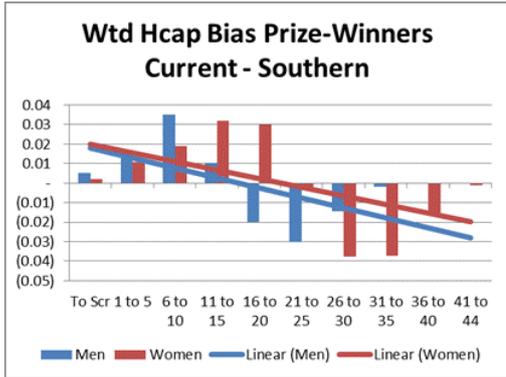
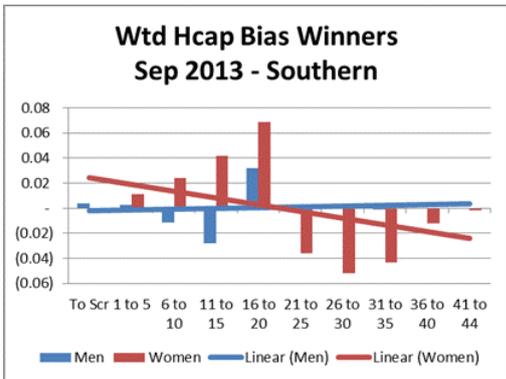
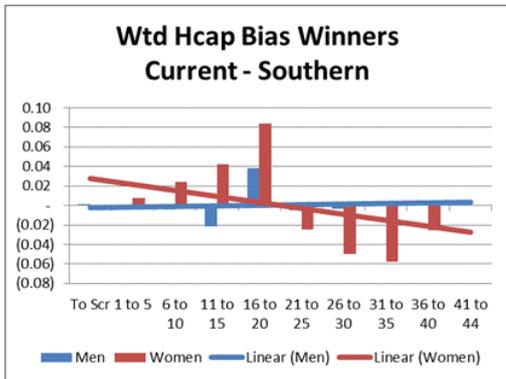
The Courses					
Description		Rounds	Old SR	USGA SR	Slope
<b>65406, USGA, Blue, Men</b>					
Mens		2,863	68.0	70	118
USGA, Blue, Mens		2,745	69.0	70	118
<b>65406, USGA, Red, Women</b>					
Ladies		1.0	69.0	73	112.0
USGA, Red, Women		437.0	72.0	73	112.0
Ladies temp 1		417.0	70.0	70	112.0
Ladies temp 2		6.0	71.0	71	112.0
<b>Grand Total</b>		<b>6,469.0</b>	<b>68.8</b>	<b>70</b>	<b>117.2</b>



## Southern

Southern								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	53.6	(25.8)	(23.7)	(24.2)	16.5	25.8
2	Eight20		6.3	(48.7)	(44.6)	(38.2)	15.4	24.3
3	Eight20 Cap		6.2	(48.7)	(44.6)	(38.2)	15.4	24.3
4	Add NewSR		8.1	(60.0)	(46.6)	(42.3)	15.0	23.4
5	Add Anchor	Current	6.5	(61.7)	(51.1)	(44.3)	14.9	23.3
6	Add DSR		6.9	(59.6)	(49.2)	(41.3)	15.1	23.5
7	Add SHA		6.4	(54.5)	(50.0)	(43.5)	15.0	23.3
8	Add Slope	Sep 2013	5.9	(54.0)	(47.7)	(42.8)	15.0	23.2
6 v 5	Add DSR		0.4	2.1	2.0	3.0	0.18	0.11
7 v 6	Add SHA		(0.5)	5.1	(0.8)	(2.3)	(0.06)	(0.14)
8 v 7	Add Slope		(0.5)	0.5	2.2	0.7	0.04	(0.13)
8 v 5	Total Impact		(0.6)	7.7	3.4	1.5	0.16	(0.16)

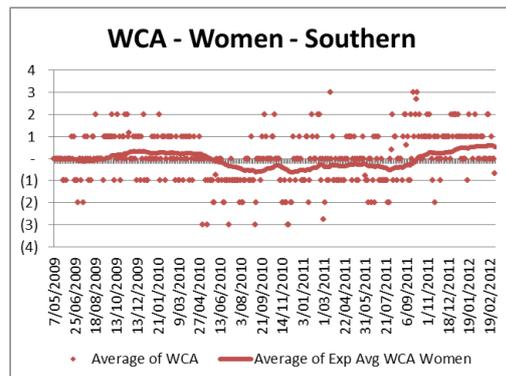
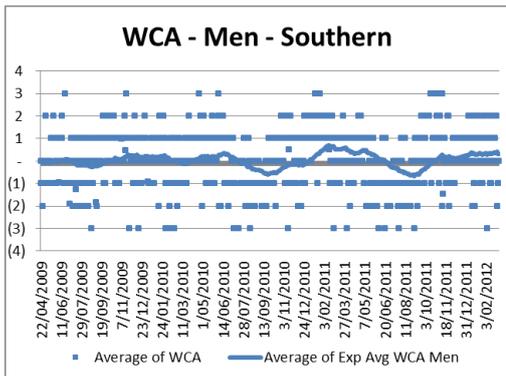
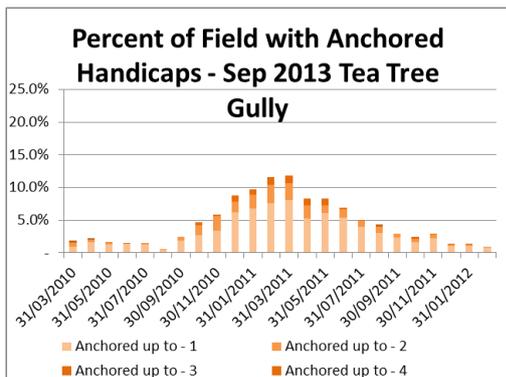
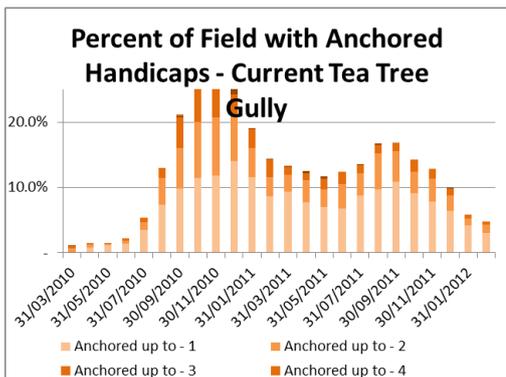
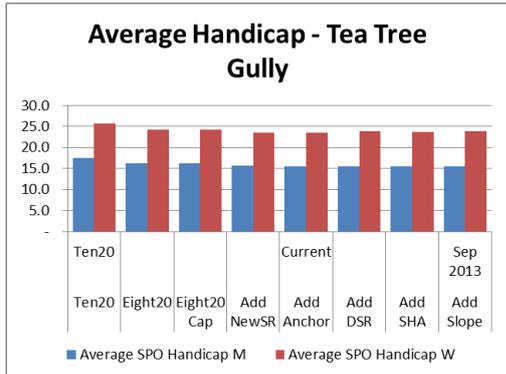
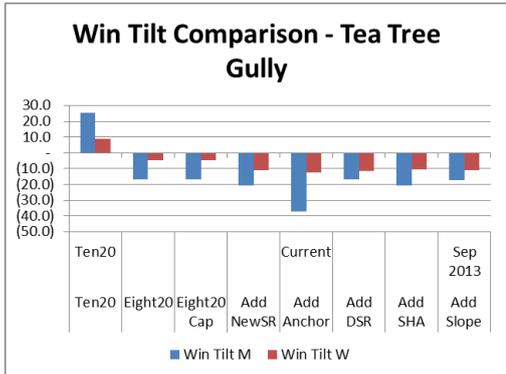
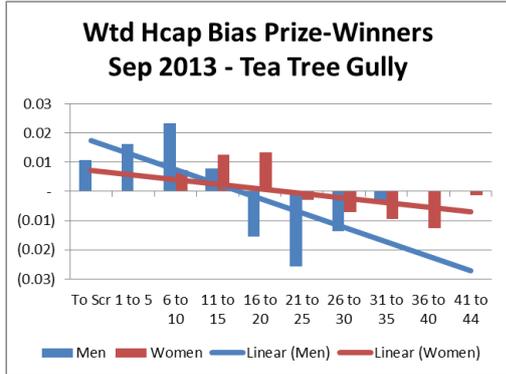
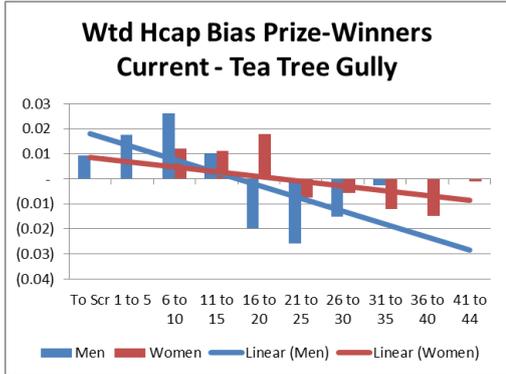
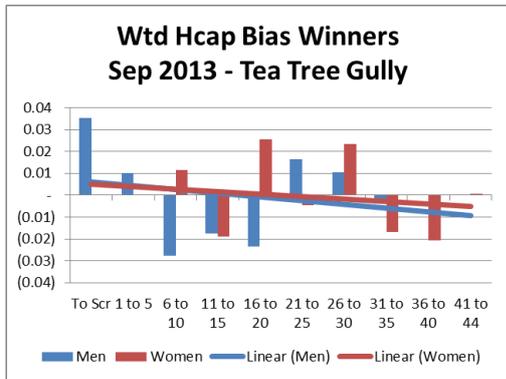
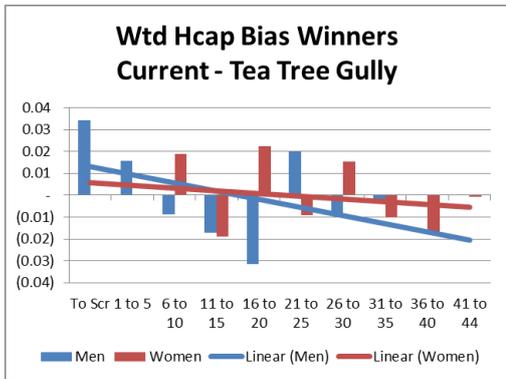
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>30133, USGA, White, Men</b>				
USGA, White, Me	27,238	73.0	73.0	138
White Course	19,473	72.0	73.0	138
<b>30133, USGA, Blue, Men</b>				
USGA, Blue, Me	3,683	74.0	74.0	138
Blue Course	6,392	73.0	74.0	138
<b>30133, USGA, Red, Women</b>				
USGA, Red, Wor	1,087	76.0	76.0	139
Red Course	4,772	74.0	76.0	139
<b>30133, USGA, Gold, Women</b>				
USGA, Gold, Wo	6,205	74.0	74.0	134
<b>Grand Total</b>	<b>68,850</b>	<b>73.0</b>	<b>73.5</b>	<b>138</b>



## Tea Tree Gully

Tea Tree Gully								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	25.3	9.0	(23.8)	(4.1)	17.5	25.6
2	Eight20		(17.0)	(4.9)	(44.1)	(14.4)	16.3	24.2
3	Eight20 Cap		(17.0)	(4.9)	(44.1)	(14.4)	16.3	24.2
4	Add NewSR		(20.9)	(11.0)	(46.3)	(16.7)	15.7	23.6
5	Add Anchor	Current	(37.1)	(12.4)	(51.5)	(18.8)	15.6	23.6
6	Add DSR		(16.8)	(11.4)	(47.7)	(15.6)	15.6	24.0
7	Add SHA		(20.7)	(10.3)	(49.5)	(16.1)	15.6	23.8
8	Add Slope	Sep 2013	(17.2)	(11.0)	(49.5)	(15.7)	15.6	23.9
6 v 5	Add DSR		20.3	1.0	3.9	3.2	0.00	0.41
7 v 6	Add SHA		(3.9)	1.1	(1.9)	(0.6)	(0.04)	(0.18)
8 v 7	Add Slope		3.5	(0.7)	(0.0)	0.4	0.01	0.07
8 v 5	Total Impact		19.9	1.3	2.0	3.0	(0.02)	0.31

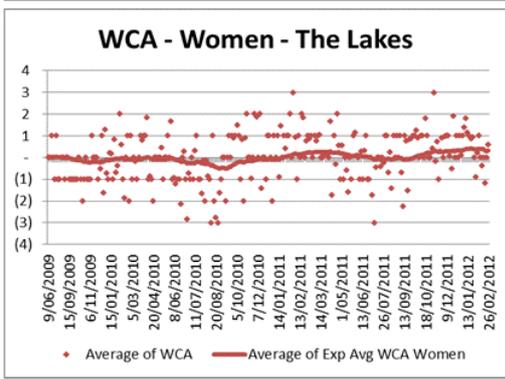
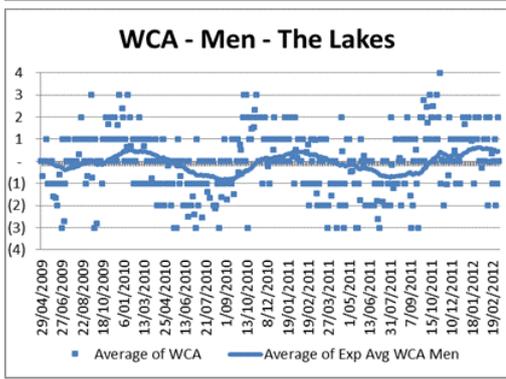
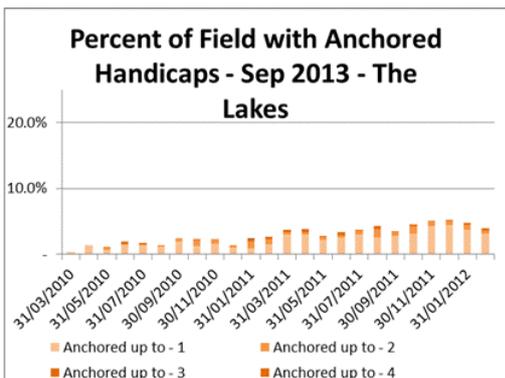
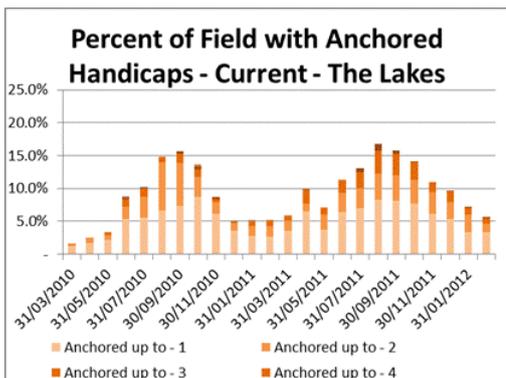
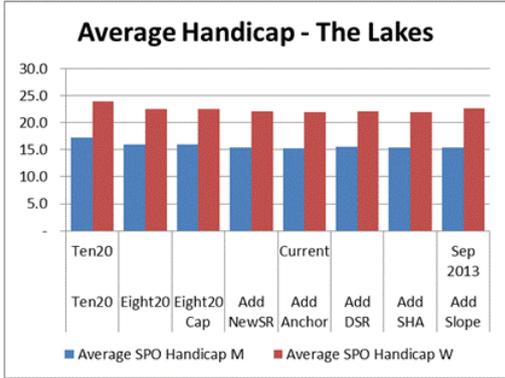
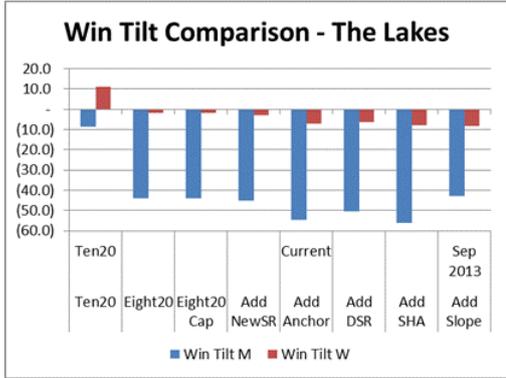
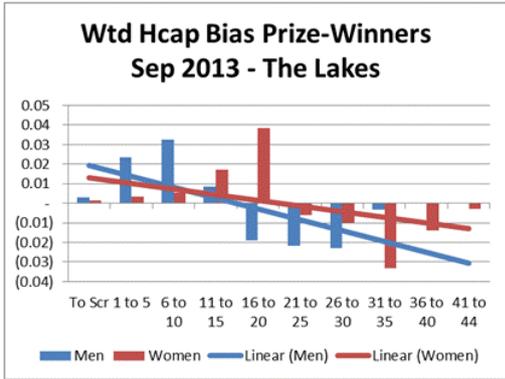
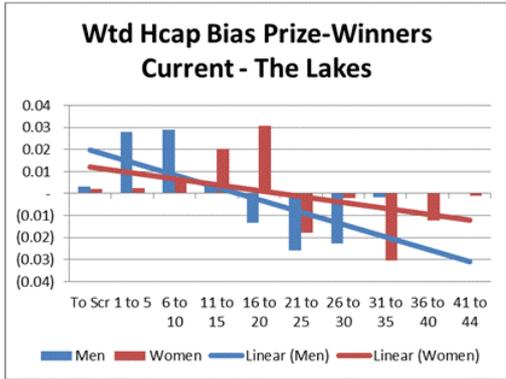
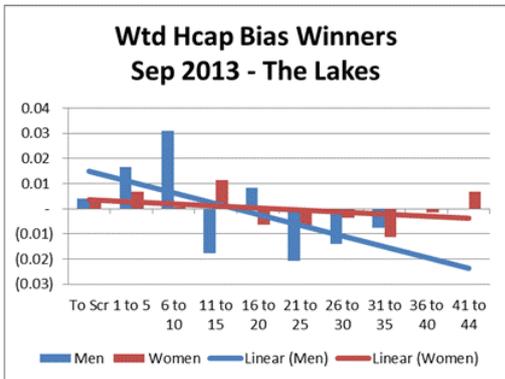
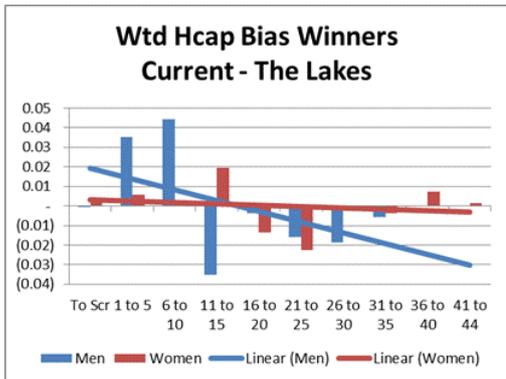
Description	The Courses			
	Rounds	Old SR	USGA SR	Slope
<b>50207, USGA, Blue, Men</b>				
USGA - Blue - Men	31,675	71.5	72.0	134
Mens Blue Temp	9,954	70.1	70.1	134
<b>50207, USGA, White, Men</b>				
USGA - White - Men	32,017	71.0	71.0	131
Mens White Temp	6,137	69.5	69.5	131
<b>50207, USGA, Red, Women</b>				
Women's Temp	734	71.0	71.0	132
USGA - Red - Women	5,860	73.6	74.0	132
Womens Red Temp	664	72.9	72.9	132
<b>50207, USGA, Yellow, Women</b>				
USGA - Yellow - Women	26	71.7	73.0	131
<b>Grand Total</b>	<b>87,067</b>	<b>71.1</b>	<b>71.4</b>	<b>133</b>



## The Lakes

The Lakes								
Scenario	Description	Status	Win Tilt M	Win Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	(8.8)	11.1	(27.5)	(14.9)	17.2	24.0
2	Eight20		(43.9)	(1.7)	(47.6)	(26.2)	16.0	22.5
3	Eight20 Cap		(44.0)	(1.7)	(47.6)	(26.2)	16.0	22.5
4	Add NewSR		(45.0)	(2.9)	(52.5)	(24.0)	15.4	22.1
5	Add Anchor	Current	(54.7)	(7.0)	(56.0)	(26.7)	15.3	22.0
6	Add DSR		(50.5)	(6.5)	(56.0)	(28.6)	15.5	22.2
7	Add SHA		(56.1)	(8.0)	(61.0)	(29.7)	15.4	22.0
8	Add Slope	Sep 2013	(42.9)	(8.2)	(55.5)	(29.1)	15.4	22.7
6 v 5	Add DSR		4.2	0.6	0.0	(2.0)	0.20	0.13
7 v 6	Add SHS		(5.6)	(1.5)	(5.0)	(1.1)	(0.11)	(0.14)
8 v 7	Add Slope		13.1	(0.3)	5.5	0.7	0.02	0.68
8 v 5	Total Impact		11.8	(1.2)	0.5	(2.4)	0.11	0.67

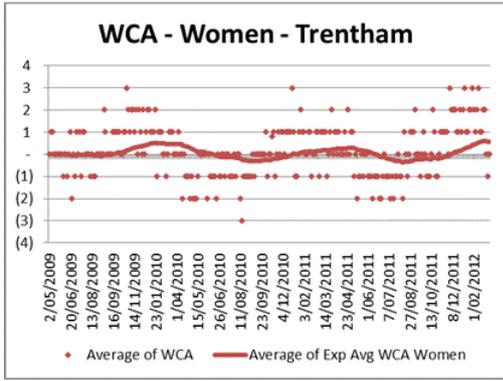
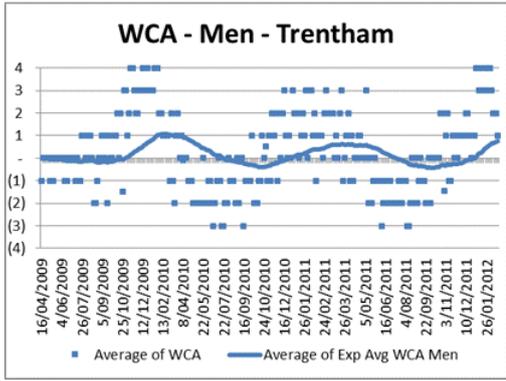
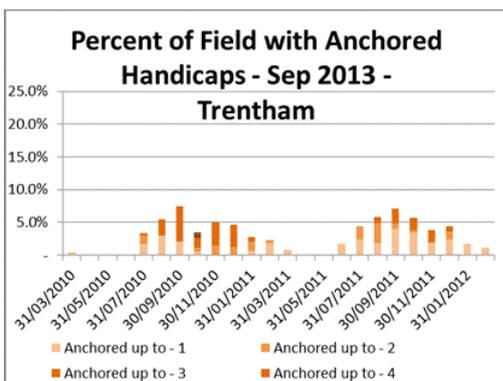
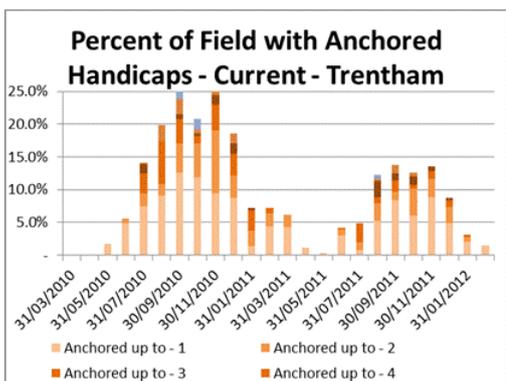
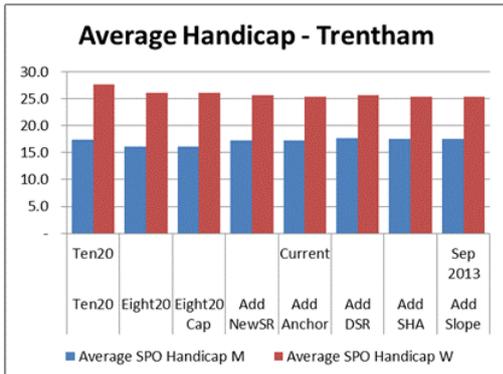
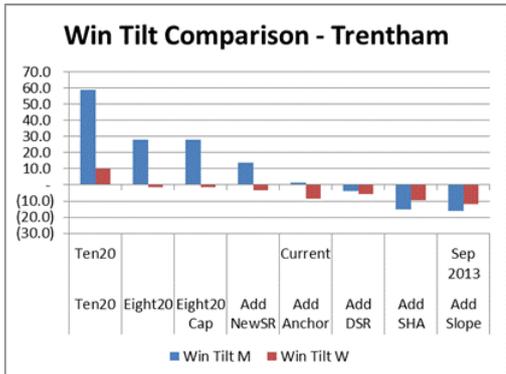
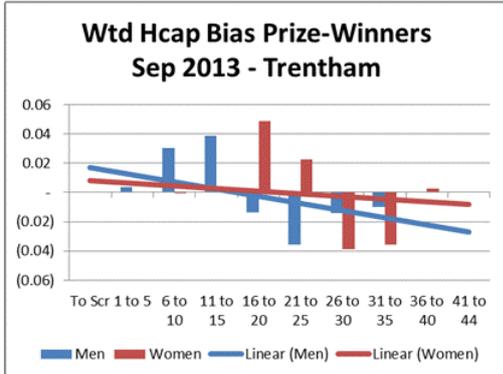
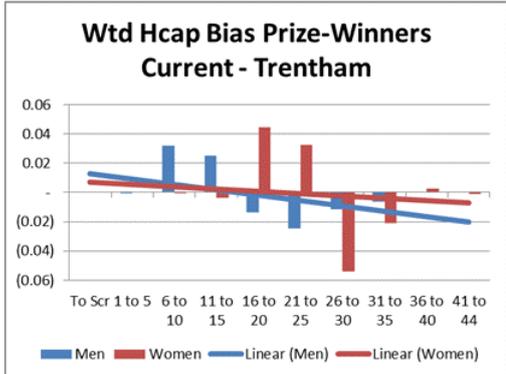
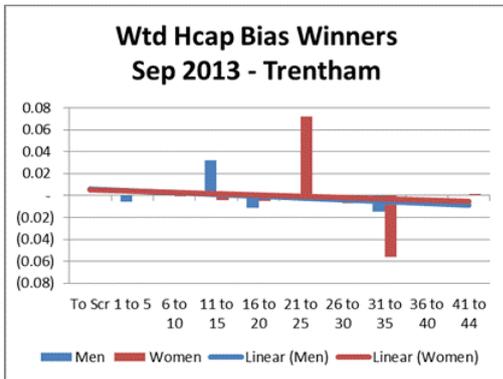
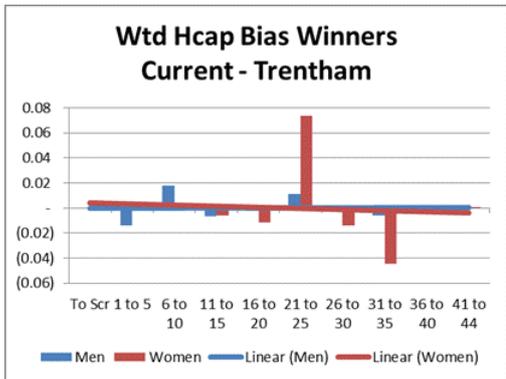
The Courses				
Description	Rounds	Old SR	USGA SR	Slope
<b>Not Rated</b>				
Mens Temp Gold	326	70.8	70.8	N/A
<b>20126, USGA, Blue, Men</b>				
USGA, Men's, Blue	12,345	73.0	73.0	133
Men 2 Blue	10,736	71.5	73.0	133
Mens Temp Blue	39	73.0	73.0	133
<b>20126, USGA, Red, Women</b>				
USGA, Women's, Red	2,327	75.0	75.0	146
Women Long	13	75.0	75.0	146
Women's Championship	2,206	74.0	74.0	146
Women Long Temp	4	76.0	76.0	146
<b>20126, USGA, Black, Men</b>				
Men's Black	887	73.4	74.0	143
USGA, Men's, Black	1,003	74.0	74.0	143
<b>20126, USGA, Green, Women</b>				
USGA, Women's, Green	443	74.0	74.0	138
<b>20126, USGA, White, Men</b>				
USGA, Men's, White	1	72.0	72.0	131
Men 3 White	1,073	70.0	72.0	131
<b>20126, USGA, Orange, Women</b>				
Women's Intermediate	432	72.0	74.0	142
<b>Grand Total</b>	<b>31,835</b>	<b>72.6</b>	<b>73.2</b>	<b>136</b>



## Trentham

Trentham								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	58.9	9.8	3.0	(0.2)	17.4	27.6
2	Eight20		28.1	(1.5)	(22.7)	(9.7)	16.2	26.0
3	Eight20 Cap		28.1	(1.5)	(22.7)	(9.7)	16.2	26.0
4	Add NewSR		13.8	(3.3)	(32.9)	(11.7)	17.3	25.7
5	Add Anchor	Current	1.2	(8.7)	(36.9)	(15.4)	17.2	25.3
6	Add DSR		(3.8)	(5.9)	(43.5)	(15.2)	17.7	25.7
7	Add SHA		(15.4)	(9.6)	(51.1)	(16.0)	17.6	25.4
8	Add Slope	Sep 2013	(16.3)	(12.1)	(48.7)	(18.3)	17.5	25.4
6 v 5	Add DSR		(5.0)	2.8	(6.6)	0.2	0.45	0.39
7 v 6	Add SHA		(11.6)	(3.8)	(7.6)	(0.7)	(0.11)	(0.29)
8 v 7	Add Slope		(0.9)	(2.5)	2.4	(2.3)	(0.05)	(0.05)
8 v 5	Total Impact		(17.5)	(3.4)	(11.8)	(2.9)	0.29	0.05

The Courses					
Description	Rounds	Old SR	USGA SR	Slope	
<b>30606, USGA, Red, Women</b>					
Ladies	704	70.0	71.0	124	
USGA, Red, Women	1,041	71.0	71.0	124	
USGA, Red, Women, Temp	338	67.6	67.6	124	
Ladies Temp 071209	37	67.0	67.0	124	
HD Women	1	74.0	74.0	124	
<b>30606, USGA, White, Men</b>					
Men	2,090	68.0	68.0	123	
USGA, White, Men	2,761	71.0	68.0	123	
USGA, White, Men, Temp	670	66.0	66.0	123	
<b>30606, USGA, Blue, Men</b>					
USGA, Blue, Men	1,122	71.0	69.0	124	
USGA, Blue, Men, Temp	904	66.1	66.1	124	
<b>Grand Total</b>	<b>9,668</b>	<b>69.3</b>	<b>68.3</b>	<b>123</b>	



## Victoria

Victoria								
Scenario	Description	Status	Vin Tilt M	Vin Tilt W	Place Tilt M	Place Tilt W	Average SPO Handicap M	Average SPO Handicap W
1	Ten20	Ten20	109.7	22.9	(21.2)	(7.4)	17.6	29.1
2	Eight20		86.2	12.0	(41.1)	(18.5)	16.5	27.5
3	Eight20 Cap		86.8	12.0	(41.1)	(18.5)	16.5	27.5
4	Add NewSR		85.5	6.5	(43.3)	(20.5)	15.9	26.1
5	Add Anchor	Current	85.4	0.3	(45.3)	(22.4)	15.8	26.1
6	Add DSR		71.3	1.2	(49.8)	(24.5)	16.2	26.1
7	Add SHA		70.3	1.9	(50.7)	(26.1)	16.1	25.9
8	Add Slope	Sep 2013	74.6	(5.2)	(48.8)	(23.7)	16.1	25.9
6 v 5	Add DSR		(14.1)	0.9	(4.5)	(2.0)	0.34	0.05
7 v 6	Add SHA		(1.1)	0.7	(0.8)	(1.6)	(0.04)	(0.19)
8 v 7	Add Slope		4.4	(7.1)	1.9	2.4	(0.04)	0.01
8 v 5	Total Impact		(10.8)	(5.5)	(3.4)	(1.3)	0.26	(0.13)

The Courses				
Description	Rounds2	Old SR	USGA SR	Slope
30137, USGA, Blue, Men				
USGA, Blue, Men	19,759	73.4	74	132
30137, USGA, Yellow, Women				
USGA, Yellow, Women	744	69.1	70	120
30137, USGA, White, Men				
USGA, White, Men	7,074	70.4	71	132
30137, USGA, Red, Women				
USGA, Red, Women	7,890	74.4	76	137
Women's Temp 011209	410	74.0	74	137
<b>Grand Total</b>	<b>35,877</b>	<b>72.9</b>	<b>73.8</b>	<b>133</b>

