

Official World Ranking Simulator

Alexandre Humeau

February 4, 2015

Contents

1	Tournaments	3
1.1	Stroke Play	3
1.2	Match Play	3
1.3	Tournament simulators	3
1.4	Tie Handler	3
1.5	To do:	3
2	Rankings	4
2.1	How does it works ?	4
2.1.1	World Ranking Points	4
2.1.2	Strength of Field	4
2.1.3	World Rating Chart	5
2.1.4	Home Rating Chart	5
2.1.5	Minimum Point's Level	5
2.1.6	Major Championships	6
2.1.7	World Golf Championships	6
2.1.8	Flagship Events	6
2.1.9	Limited Field Events	7
3	Tours	8
3.1	Main tours	8
3.1.1	Flagship Events	8
3.2	Other tours	8

1 Tournaments

1.1 Stroke Play

1.2 Match Play

1.3 Tournament simulators

1.4 Tie Handler

Usually, when finishing a tournament, several players are tied for a place (not for the first place, however (**To be implemented**)), and the ranking points that are eventually attributed to each player are the average for all the places of the tied players.

Example 1.1. *If 2 players are tied for 2nd place, each player will receive the average between the points attributed to the 2nd and the 3rd*

Input : Score

Output : Number of points for each players

Stages :

1. Sort the score
2. Each time, loop over the scores, when different break, when the same count the average number of points (each player having this average as number of points)

Tools: Wrapper around vector to avoid access violation exception

1.5 To do:

- Handle ties in scoring (**To be implemented** Done revisions 613; 616-619)

2 Rankings

2.1 How does it works ?

EFFECTIVE FROM 1ST JANUARY 2013

Official Events from the leading professional tours from around the world are eligible for Ranking Points which are awarded according to the tournaments strength of field and the players finishing position.

Eligible Tours include: PGA TOUR, PGA European Tour, Japan Golf Tour, PGA Tour of Australasia, Sunshine Tour, Asian Tour, Web.com, European Challenge Tour, PGA Tour Canada, PGA Tour China, PGA Tour LatinoAmerica, One Asia, Korean Golf Tour and Asian Development Tour.

2.1.1 World Ranking Points

The World Ranking Points for each player are accumulated over a two year “rolling” period with the points awarded for each event maintained for a 13-week period to place additional emphasis on recent performances.

Ranking points are then reduced in equal decrements for the remaining 91 weeks of the two year Ranking period. Each player is then ranked according to his average points per tournament, which is determined by dividing his total number of points by the tournaments he has played over that two-year period.

There is a minimum divisor of 40 tournaments over the two year ranking period and a maximum divisor of a player’s last 52 events.

2.1.2 Strength of Field

The Strength of Field for each tours event is determined by using the World Rating and Home Tour Rating.

The World Rating is based on the number of Top-200 World Ranked players competing in the event and a value is allocated to the position within the Top 200.

The Home Tour Rating is based on the number of Top-30 Ranked players using each tours end of year final ranking with a value allocated to the position within the Top 30 Ranked players.

The World and Home Rating* using the values in the charts below are added together to produce the Strength of Field rating. The number of points** allocated to an event is then determined by the Rating Points Structure and which band the total Strength of Field rating falls into.

2.1.3 World Rating Chart

World Ranking Position	World Rating Values
1st	45
2nd	37
3rd	32
4th	27
5th	24
6th	21
7th	20
8th	19
9th	18
10th	17
11th	16
12th	15
13th	14
14th	13
15th	12
16th to 30th	11
31st to 34th	10
35th to 38th	9
39th to 43rd	8
44th to 50th	7
51st to 55th	6
56th to 60th	5
61st to 70th	4
71st to 80th	3
81st to 100th	2
101st to 200th	1

2.1.4 Home Rating Chart

Home Rank of Player	Home Rating Values
1st	8
2nd	7
3rd	6
4th	5
5th	4
6th to 15th	3
16th to 30th	1

The total Home Tour Rating is limited to 75% of the total World Rating value. Points are reduced by 25% for tournaments curtailed to 36 holes because of inclement weather or other reasons. However a tournament will not be reduced below its minimum points level.

2.1.5 Minimum Point's Level

Each tour has a minimum 1st place point's level which comes into effect should the 1st place points based on the Strength of Field rating be lower than that awarded to each tour in the chart below:

Tour	Min 1st Place Points
PGA Tour	24
European Tour	24
Japan Golf Tour	16
PGA Tour of Australasia	16
Web.com Hybrid Events	16
Sunshine Tour	14
Asian Tour	14
Web.com	14
European Challenge Tour - Final Series	13
European Challenge Tour	12
Australia State (Lower prizefund)	6
PGA Tour Canada	6
PGA Tour China	6
PGA Tour LatinoAmerica	6
One Asia	6
Korean Golf Tour	6
Asian Development Tour	6
Sunshine Tour Winter Series-72 Holes	6
Sunshine Tour Winter Series-54 Holes	4

*Note: The minimum points level for co-sanctioned events are determined using the “average” (**To be implemented Done revision 602**) of each tours minimum 1st place points level rounded up to the nearest whole number. The Home ratings for co-sanctioned events are based on the “home” Tour.

2.1.6 Major Championships

The 4 Majors, Masters Tournament, U.S. Open Championship, The Open Championship and US PGA Championship are rated separately and are awarded 100 1st place points. (**Done revisions 621**) All players who complete all 4 rounds of a Major Championship are awarded Ranking Points to reflect the higher quality of the events.
Still to be implemented

2.1.7 World Golf Championships

The Strength of Field for the World Golf Championships is calculated by using the World Rating and an additional World Rating based on the Top-30 World Ranked with the following values applied:

World Rank of Player	Home Rating Values
1st	8
2nd	7
3rd	6
4th	5
5th	4
6th to 15th	3
16th to 30th	1

Total Home Tour Rating Values limited to 75% of World Rating Values
To be implemented

2.1.8 Flagship Events

The Leading 6 tours: PGA TOUR, PGA European Tour, Japan Golf Tour, PGA Tour of Australasia, Sunshine Tour, Asian Tour and the 2 development Web.com and European Challenge Tour are awarded a flagship event and allocated a higher minimum points levels to reflect their status.

Flagship Events	Minimum Points
PGA Tour - Players Championship	80
European Tour - BMW PGA Championship	64
Japan - Japan Open	32
South African - South African Open	32
Australia - Australian Open	32
Asian Tour - Thailand Golf Championship	20
Web.com - Tour Championship	20
Challenge Tour - Grand Final	17

2.1.9 Limited Field Events

Limited field events are defined as less than 30 qualified players. The Strength of Field for a limited field is calculated by using the World Rating only. Points are capped to 2.40 maximum points for last place or first round losers in match play events of less than 30 qualified players.

To be implemented

3 Tours

Implementation of the different tours with

3.1 Main tours

3.1.1 Flagship Events

3.2 Other tours

References

[1] www.owgr.com