

Self-breakthrough is the Greatest

Summary

Sports are loved and praised by people. The spirit of self-improvement is the excellent quality of each player. We think players achievement self-breakthrough based on good performance is the "greatest". Therefore, what players have achieved and how much they have improved is the core clue to understanding our G.O.A.T. model.

Based on the Elo algorithm, we propose the ranking score model (RSM). RSM considers the factors and variables such as the current strength of players, the expectation of winning, the level of competition, the round of the competition, the game performance and the state of the competitors, etc. to ensure the fairness and reliability when updating the ranking scores. One of the highlights of the RSM is that we consider the player's game performance parameter P , which can give rewards (if player performs well) or punishment (if player performs badly) when updating ranking scores based on the results of each round of games. Based on RSM, we also propose a progress model (PM), which is a measure of the player's "self-breakthrough" level. Combined with RSM and PM, we established a comprehensive evaluation model (CEM). The CEM's results show that the greatest woman tennis player of 2018 is Simona Halep.

By changing the score updating method in RSM, we make the model consider the cumulative ranking score over time, and upgrade CME to G.O.A.T. model. The model takes snooker as an example of individual sport to test. We collected relevant data of five competitions (World Championships, UK Championships, Shanghai Masters, China Open and Welsh Open) from 2007 to 2017. The G.O.A.T. model shows that Mark Selby is the G.O.A.T. of snooker (2007-2017 period).

It's very easy to extend our G.O.A.T. model to any individual sport. We introduce in detail the parameters that need to be changed in the model and the personalized configuration method for different sports. All the expansion work can be summarized into three steps. First, in RSM, the initial ranking score should be reassigned. Second, redefine the game performance parameter P . Thirdly, considering the influence of player status on fairness, the model can be modified appropriately.

We introduce how to extend our G.O.A.T. model to team sports, and take basketball as an example to discuss in detail.

The data used by the model are public and we have referenced them in the corresponding locations. We put the collected data, model results, notations, relevant code and model evaluation in Attachment.

Keywords: Elo algorithm, ranking score model, progress model, comprehensive model

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1. Introduction

1.1 Restatement of the Problem

Backgrounds: Through history, sports have been highly praised by people, and the Olympic Games once every four years has become one of the oldest traditional competition. Sports can help people build up and keep fit, but more, the spirit of indomitable struggle affects people's values in a deeper level, which guides people in a positive and upward direction. A sports superstar must have special characteristics (e.g. winning the most awards or breaking the world record), worthy of people's praise and learning.

After determining the "greatest", we need to build a mathematical model based on the results of the competition and other data to complete the following tasks:

- Develop a model to determine the greatest woman tennis player in 2018.
- Choose one example of an individual sport and develop a model to determine the G.O.A.T.
- Consider any changes the model would require. of any individual sport and temp sport.
- Write to Director who understands little about math, and report our results.

1.2 Our Work

First, we make it clear how do we define "the greatest". We construct a Ranking Score Model (RSM) based on Elo algorithm. We use the Seed/Rank information of woman players to define their initial score, and consider the score update algorithm from the competition level, round, game performance, player status and other factors, so as to make the model use the existing data as much as possible and become fair. In addition, we propose a Progress Model (PM) to measure the degree of self-breakthrough of players. Based on the above two models, we construct a Comprehensive Evaluation Model (CEM), which will help us determine who is the greatest. The CEM shows that the greatest woman tennis player of 2018 is Simona Halep and we analyze the results of the model solution. All of above will be introduced in Section 3.

In Section 4, we chose snooker as an example of model testing and we collected the data of five competitions from 2007 to 2017. We consider the cumulative change of ranking scores over time based on RSM, and choose new factors to add to build our G.O.A.T. model. The results show that Ding Junhui is the G.O.A.T. of snooker (2007-2017 period). We analyze the results and show how to extend the G.O.A.T. model to any individual sport in three steps.

Section 5 briefly introduces the general method of extending the G.O.A.T. model to team sports. In Section 6, the advantages and problems of our model are discussed. In addition, we show two new ideas to improve the model. Section 7 is the letter we sent to the Director.

2. Model Assumptions

1. (Strength equilibrium) It is assumed that the difference between players' ranking score decreases with the increase of ranking.
2. It is assumed that the player's expectation of winning obeys the normal distribution.
3. It is assumed that four tennis tournaments have the same level.

3. Comprehensive Evaluation Model

First, we make it clear how do we define "the greatest". In our model, athletes achieve self-breakthrough based on good performance is the "greatest". Therefore, we divide the model into two parts: ranking score model (RSM) and progress model (PM). The former will give the ranking according to the athlete's competition performance and other data, while the latter will evaluate the progress according to the changes of ranking score before and after the competition. based on the results of the above two parts, we propose a comprehensive evaluation model.

The modeling process of the Section 3 is shown in [Fig 1](#).

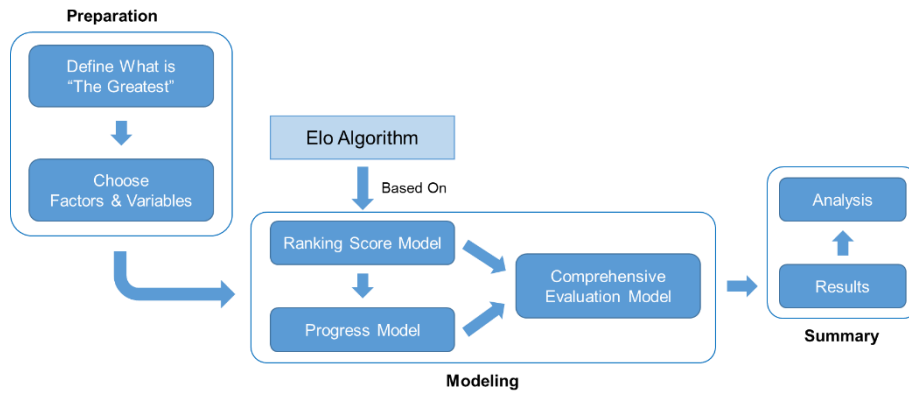


Fig 1: The modeling process of Section 3

3.1 Ranking Score Model (RSM)

In 1960, physicist Arpad Elo proposed an evaluation algorithm named Elo to measure the level of various tournament [\[1\]](#). The Elo algorithm is one of the core methods for evaluating the level of the tournament, and it is widely used in chess, Go, football, basketball, e-sports and other sports. Based on the core principles of the Elo algorithm, we will comprehensively consider the current strength of the players, player status, game performance, wins and losses, victory expectation, schedule weights and other variables to propose a new RSM. Our model contains more tournament information and can represent the strength of players more fairly and objectively.

3.1.1 Elo Algorithm

We will introduce the main idea of the Elo algorithm. Take the chess game as an example. Suppose the current ranking scores of player A and player B are R_A, R_B , respectively. The Elo algorithm assumes that the player's expectation of winning follows the Logistic distribution. Then player A and player B 's expectation of winning E_A, E_B , are respectively:

$$E_A = \frac{1}{1 + e^{\frac{(R_B - R_A)}{N}}} \quad (3.1)$$

$$E_B = \frac{1}{1 + e^{\frac{(R_A - R_B)}{N}}} = 1 - E_A. \quad (3.2)$$

In the above two formulas, N is a scaling factor, which makes the value of expectation more evenly distributed in the interval $(0,1)$. $N = 400$ in a chess game. Assuming that the score of player A in the game is W_A ($W_A = 1$, $W_A = 0.5$, $W_A = 0$ respectively corresponds to victory, draw and defeat), the ranking score of player A after the game \overline{R}_A uses formula (3.3) to update,

$$\overline{R}_A = R_A + H \cdot (S_A - E_A), \quad (3.3)$$

Among them, H is a limit value, which represents the score and loss value of at most one player theoretically can win, and $H/2$ is the score obtained by one of the players with the same ranking score. $H = 16$ in the chess masters; $H = 32$ in most games. H is also the weight of the game level. In general, the higher the level of the game, the lower the H value. The reason for this setting is to avoid changing the ranking of top players in a few games.

3.1.2 Our Choice of Factors and Variables

From the result data of the four competitions (2018 Grand Slam Results), we extracted four model parameters of the player's current strength, player status, game performance, wins and losses. We will discuss the definition and properties of these model parameters separately.

(a) The current strength (Seed/Rank)

To update the ranking score based on the Elo algorithm, we first assign an initial value to the ranking score of each player, and the variable Seed/Rank can be used to complete this work. According to the description of Seed/Rank in the appendices, we can make a preliminary estimate of the player's strength from the value of Seed/Rank.

For seeded players, the higher their ranking, the stronger their current strength, and the maximum ranking is 32. This part of the player is the strongest among all the contestants. We can add a ranking score to each seeded player based on the basic score, and the higher the ranking, the more points will be added. According to the assumption of strength balance, we let the score difference between players gradually decrease as the seeded ranking increases.

For PR, Q and Blank players, we set the strength of PR to be stronger than Q. Since Blank players did not provide any information about their strengths, their strength ranked last. We will assign different initial values to players in these three states in the order of $PQ > R > \text{Blank}$.

Finally, for players in Seed/PR status, they have very strong strength, and their previous rankings are very high, but because they were inactive recently, their seeded ranking has dropped. Therefore, we can think that their real ranking should be higher than the value of Seed/PR. We will use the same assignment formula as seed players to assign initial values to the ranking scores of Seed/PR players, but their Seed/Rank will be appropriately improved.

In summary, we use formula (3.4) to define the ranking score R , which measures the player's current strength, as follows:

$$R = \begin{cases} 1000 & \text{Blank,} \\ 1100 & \text{Q,} \\ 1150 & \text{PR,} \\ 1200 + \text{Round}(100 \times \ln[4 \cdot (33 - \text{seed} / 2) - 11]) & \text{Seed/Rank,} \\ 1200 + \text{Round}(100 \times \ln[4 \cdot (33 - c \cdot \text{seed} / 2) - 11]) & \text{Seed/PR.} \end{cases} \quad (3.4)$$

In formula (3.4), we set a minimum score of 1000 for people in Blank state. This is to avoid negative numbers in subsequent score updates. The variable seed is the seeded ranking, and c is the Seed/PR promotion coefficient. In our model, $c = 0.75$ (i.e. if the real seeded ranking of Seed/PR players should increase by 75%). We use the logarithmic function to assign the initial ranking scores of the seeded players. The logarithmic function can well satisfy the difference between the players and gradually decrease as the seeded ranking increases. For seed players, the setting of some coefficients in the initial value function can make the initial ranking scores more evenly distributed in the interval (1200,1500). $\text{Round}(\cdot)$ is the rounding function.

(b) The player status

We have observed that players in the PR state will not be able to complete the game normally, which will allow the opponent to win directly. We use an indicative function χ_{PR} to describe whether there are players with PR status in a game, so as to modify the update of the ranking score in this case in the model. The definition of χ_{PR} is as follows:

$$\chi_{\text{PR}} = \begin{cases} 0 & \text{No one is in PR in the game,} \\ 1 & \text{Someone is in PR in the game.} \end{cases} \quad (3.5)$$

(c) The game performance

We use the parameter P to measure the performance of two players in a game, and discuss it in two parts. In each match, women play to win two out of three sets. We set an incentive coefficient p_0 based on the result of the tournament, and p_0 is defined as follows:

$$p_0 = \begin{cases} 1.25 & \text{Won the game by 2:0,} \\ 1 & \text{Won the game by 2:1,} \\ 0.75 & \text{Lost the game by 1:2,} \\ 1 & \text{Lost the game by 0:2.} \end{cases} \quad (3.6)$$

In formula (3.6), we have made the following settings: when a player wins the game 2:0 (i.e. "gain a complete victory"), $p_0 = 1.25$ will be used as an incentive coefficient to increase the effect of ranking points; The player loses the game 1:2 (i.e. "go down swinging"), $p_0 = 0.75$ will be used as the incentive coefficient to reduce the ranking score reduction effect. Discussing p_0 separately is abstract. If combined with the RSM in Section 3.1.3, the meaning of parameter p_0 will be more specific and easier to understand.

In addition, we can also use the scores of each segment in a round to calculate the player's game performance P_i . In the section without tiebreaker, we assume that the greater the difference between the two players, the greater the difference in performance ratings. P_i is defined as follows:

$$P_i = \frac{1}{2} + \frac{1}{1 + e^{\frac{(-1)^{W_i} \cdot |\Delta_i|}{2}}}, \quad (3.7)$$

in which, W_i represents the win-loss situation of the current section, $W_i = 1$ means victory, and $W_i = 0$ means defeat. $|\Delta_i|$ is the difference in scoring between the two players in the current section. From the definition, $P_i \in (0.5, 1.5)$ can be obtained. If $W_i = 1$, then $P_i > 1$, and the larger the score difference $|\Delta_i|$, the closer P_i is to 1.5, the higher the game performance score; if $W_i = 0$, then $P_i < 1$, and the greater the difference $|\Delta_i|$, the closer P_i is to 0.5, the lower the game performance score.

In the section with tiebreaker, we still use the same idea of formula (3.7) to calculate P_i with the difference of the deciding game, but we reduce the impact of the score difference (because the total score of this section is 6:7, This shows that in this section, the performance of the two players is equal), P_i in the case of a tiebreaker is defined as follows:

$$P_i = \frac{1}{2} + \frac{1}{1 + e^{\frac{(-1)^{W_i} \cdot |\Delta_i|}{10}}}, \quad (3.8)$$

Finally, we combine p_0 and P_i to define the game performance P of each round:

$$P = p_0 \cdot \text{mean}\left(\sum_i P_i\right), \quad (3.9)$$

in which, $\text{mean}(\cdot)$ is the mean function.

(d) wins and losses

We use W to represent the wins and losses of each round of competition. It will form a reward and punishment model together with the expectation of winning. The definition of W is as follows:

$$W = \begin{cases} 1 & \text{This round won,} \\ 0 & \text{This round was defeated.} \end{cases} \quad (3.10)$$

3.1.3 The Model for Updating Ranking Score

Based on the core idea of the Elo algorithm (3.3) and comprehensively considering the various factors and variables mentioned above, we constructed a model for updating the ranking score of Player A after each section of tournament as follows:

$$\overline{R}_A = R_A + \text{Round}(H \cdot C_k \cdot P \cdot (W - E_A) \cdot (1 - \chi_{PR}) \cdot S) \quad (3.11)$$

Among them, R_A represents the ranking score of player A before each section of tournament. The initial value can be calculated using formula (3.4), and $\overline{R_A}$ represents the score after the tournament (after update). H is the weight of the tournament level, the higher the level of the tournament, the smaller the H . In our model, we assume that the four championships in 2018 in the given data have the same level, and all set $H = 16$.

C_k represents the weight of each tournament round. We are given different weights for the matches between the top 16, the top 8, and the top 4 and the finals. Like H , the closer to the final, the smaller the value of C_k , in order to prevent a few games from changing the ranking of top players. The provided data is recorded starting from the top 16, so we set 4 different weights C_k to correspond to the four rounds, as shown in Table 1.

Table 1: The weight C_k of each tournament round

| k | Explanation | C_k |
|-----|---|-------|
| 1 | Fourth Round (competition between the top 16) | 4 |
| 2 | Quarterfinals (competition between the top 8) | 2 |
| 3 | Semifinals (competition between the top 4) | 1 |
| 4 | Final (competition between the top 2) | 0.5 |

P represents the in-game performance score, which is calculated by formula (3.9). W represents the outcome of each section of tournament, E_A is A 's expectation of winning against player B , which is a probability value in the interval $(0,1)$. Here we assume that the probability of A winning against B is independent and identically distributed, and its density function is $p(x)$, the function $p(x) > 0$ and $p(x)$ has a continuous derivative function. Under the assumption of power balance, we set $p(x)$ to be symmetric about $x = 0.5$, and the average value of the sample will maximize the likelihood function. Gauss derived the expression of probability density $p(x)$ based on the above conditions in the early 19th century, which is the well-known Gauss distribution [2]. Now, under the assumption of normal distribution, we set the variance $\sigma^2 = 1$, and define the expectation E_A for A to win against B as:

$$E_A = \frac{1}{2} + \int_0^{\frac{R_A - R_B}{N}} \frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}} dx \quad (3.12)$$

R_A, R_B are the current ranking scores of players A, B , and N is the scaling factor, which can make the expected E_A more evenly distributed in the interval $(0,1)$. We take $N = 400$.

In the formula (3.11), χ_{PR} represents the PR status judgment function. It can be seen that when one of the two contestants is in the PR status, the ranking scores of the two players will not be updated, which reflects the fairness of the tournament. Finally, the parameter S represents the player's promotion status. If the player is eliminated in a certain round, $S = 0$ is set after that. The model will determine the state S at the beginning, if $S = 0$, the score will not be updated. Round(\cdot) is the rounding function.

Combined with the analysis of the various parameters of the model, the model will increase the ranking score when the player wins, and deduct the ranking score when the player loses. The game performance P measures the competitive situation of each person in each round of the game, and will zoom in (or zoom out) to add extra points (or deductions) $W - E_A$.

It must also be pointed out that the model (3.11) can be used to calculate the ranking scores of each player after each tournament. However, the 16 players in each tournament in the data are different, and the initial ranking of the seeded players at the beginning of the tournament will also change. In this question, we do not consider the cumulative change of player ranking scores over time. Therefore, at the beginning of each tournament, we re-assign the initial ranking scores of the 16 players based on the Seed/Rank status.

Let $R_A^{(WC)}$, $R_A^{(FO)}$, $R_A^{(US)}$, $R_A^{(AO)}$ respectively indicate that player A is the last in the Wimbledon Championships, French Open, US Open, and Australian Open. The ranking scores obtained, and the average of the four scores are used to represent their overall ranking scores in 2018 (the non-participating competitions are not scored, so they will not be counted as the average). The 2018 average ranking scores of 39 female tennis players were obtained by solving the model. Table 2 shows the scores of the top 10 players (see Attachment 1 for complete data).

Table 2; The ranking scores of the top 10 players

| Name | 2018 Wimbledon Championships | 2018 French Open | 2018 US Open | 2018 Australian Open | Average Score in 2018 |
|-------------|------------------------------------|------------------------|-----------------|----------------------------|--------------------------|
| S Halep | N | 1574 | N | 1546 | 1560.00 |
| S Stephens | N | 1518 | 1515 | N | 1516.50 |
| G Muguruza | N | 1514 | N | N | 1514.00 |
| C Wozniacki | N | 1457 | N | 1552 | 1504.50 |
| Ka Pliskova | 1426 | N | 1479 | 1484 | 1463.00 |
| J Ostapenko | 1462 | N | N | N | 1462.00 |
| E Svitolina | N | N | 1433 | 1489 | 1461.00 |
| J Gorges | 1459 | N | N | N | 1459.00 |
| A Kerber | 1519 | 1464 | N | 1392 | 1458.33 |
| M Keys | N | 1460 | 1464 | 1421 | 1448.33 |

(N means that the player did not participate in the tournament in 2018)

3.2 Progress Model (PM)

After obtaining the change data of the players' ranking scores in each competition, we can consider the progress of each player in each tournament $P_A^{(tournament)}$, in the formula (3.13). We use the percentage of the post-match score change to the initial score to calculate the progress

$$P_A^{(tournament)} = \frac{R_A^{(tournament)} - R_A^0}{R_A^0} \times 100\% , \quad (3.13)$$

in, which, R_A^0 represents the initial ranking score of player A in the tournament. Next, add up the progress of player A in each tournament, and get the total PM P_A as:

$$P_A = P_A^{(WC)} + P_A^{(FO)} + P_A^{(US)} + P_A^{(AO)}. \quad (3.14)$$

Using (3.14), the 2018 progress scores of a total of 39 woman tennis players were calculated. Table 3 shows the progress of the top 10 players (see Attachment 2 for complete data).

Table 3: The progress of the top 10 players

| Name | 2018 Wimbledon Championships | 2018 French Open | 2018 US Open | 2018 Australian Open | Total Progress in 2018 |
|------------------|------------------------------------|------------------------|--------------------|----------------------------|---------------------------|
| A Kerber | 6.52% | 3.24% | N | 3.49% | 13.26% |
| M Keys | N | 3.47% | 4.35% | 3.05% | 10.87% |
| S Halep | N | 5.50% | N | 3.62% | 9.12% |
| S Williams | 5.71% | 0.00% | 4.35% | -1.20% | 8.87% |
| S Stephens | N | 5.93% | 2.36% | N | 8.30% |
| C Suarez Navarro | N | N | 3.26% | 4.00% | 7.26% |
| Y Putintseva | N | 5.60% | N | N | 5.60% |
| E Mertens | N | -1.22% | -1.43% | 8.00% | 5.34% |
| A Sevastova | N | N | 5.06% | N | 5.06% |
| C Giorgi | 4.50% | N | N | N | 4.50% |

(N means that the player did not participate in the tournament in 2018)

3.3 Comprehensive Evaluation Model (CEM)

Both the RSM (3.11) and the PM (3.14) characterize the strength of players, and the larger the value of both, the better. For a rookie tennis player, because there is no record of winning, the initial ranking score is low, but she defeats multiple opponents continuously with her excellent performance, and gets higher ranking points. Although the ranking score is not noticeable, we must acknowledge the progress she has made. When using it, we also need to pay attention: In our model, top players are more difficult to make progress than rookies in tennis (because in the model (3.14), top players have a larger denominator R_A^0 . At the same time, In the model (3.11), the top players have a relatively large winning probability E_A , so the bonus item $W - E_A$ obtained is relatively small, so that $R_A^{(tournament)}$ is relatively small).

We draw a scatter plot of the ranking R_{RSM} of the RSM and the ranking R_{PM} of the PM as shown in Fig 2. According to the previous analysis, we hope that the larger the values of the two models, the better, i.e. the higher the ranking R_{RSM}, R_{PM} , the better (in Fig 2, the closer the point represented by the player is to the origin, the better).

We consider using the linear combination of R_{RSM} , R_{PM} as a comprehensive index to evaluate the "greatest" degree of athletes, and define the CEM as follows:

$$CE = \lambda \cdot R_{\text{RSM}} + (1 - \lambda) \cdot R_{\text{PM}} \quad (3.15)$$

In formula (3.15), the parameter $\lambda \in [0, 1]$ is the weight parameter of the CEM. When $\lambda = 1$, it means that we only evaluate whether the player is "the greatest" from the RSM (only paying attention to the ranking score and ignoring the self-breakthrough achieved by the player is contrary to our definition of "the greatest"); When $\lambda = 0$, we will use the PM as the only criterion to measure the players (but it is unrealistic to only focus on progress and ignore the impressive results achieved by the players). Here, we will pay more attention to their self-breakthroughs based on the players' impressive results, and set the parameter $\lambda = 0.60$.

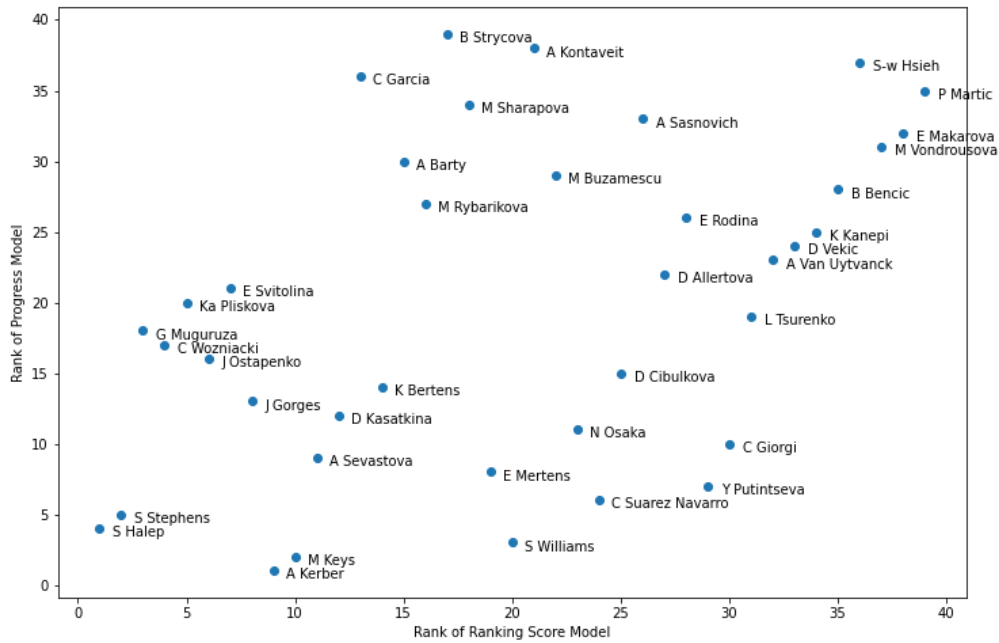


Fig 2: Scatter plot of R_{RSM} and R_{PM}

(In the figure, the players near the lower left corner have high RSM and PM rankings.
In the comprehensive evaluation model, they are the "greatest")

3.4 The Greatest Woman Tennis Player of 2018

Using the model (3.15), the 2018 comprehensive ranking of a total of 39 female tennis players was calculated. Table 4 presents the comprehensive scores of the top 10 players (see Attachment 3 for complete data). Now, we can conclude: the greatest woman tennis player of 2018 is Simona Halep.

Analyzing the results in Table 4, we can conclude:

- (a) The greatest female tennis player in 2018 is Simona Halep. Simona Halep ranked first in the two tournaments she participated in (2018 French Open and 2018 Australian Open), and she eventually won the 2018 French Open champion and the 2018 Australian Open runner-up. Considering Simona Halep's game performance, we can find that in most games, she can win the game with a large point difference. The extremely high initial ranking points and the extraordinary performance of breaking through the self-have given the title of "Greatest" well-deserved.
- (b) Angelique Kerber, the number one player in the PM, participated in 3 games in 2018 (2018 Wimbledon Championships, 2018 French Open and 2018 Australian Open), and her initial seed ranking is about 20. But in three championships, Angelique Kerber won a championship, once entered the semi-finals, once entered the quarter-finals (lost to the first place Simona Halep in the quarter-finals), from the statistics we can see Angelique Kerber's self-breakthrough, so she ranked third in the comprehensive evaluation algorithm.
- (c) Serena Williams participated in 3 games in 2018 (2018 Wimbledon Championships, 2018 French Open and 2018 US Open). She was in a special PR status in 2018 French Open and 25/PR status in 2018 Wimbledon Championships, which made her ranking score in the algorithm is greatly reduced. However, her real strength should be higher than the current ranking. She has reached the finals twice in the three tournaments (and in the 2018 French Open she was unable to compete due to physical reasons). Even if affected by injuries, we can see from the data that Serena Williams is still strong, surpassing herself, and returning to the top performance, which makes her ranked fifth in the CEM.
- (d) Most of the top R_{PM} athletes have achieved good results in the comprehensive algorithm, and some athletes (such as Julia Gorges, Caroline Wozniacki, and Jelena Ostapenko) rank among the top 10 in the comprehensive model with high ranking scores.

Table 4: The comprehensive scores of the top 10 players

| Name | R_{RSM} | R_{PM} | CE | Final Ranking |
|-------------|-----------|----------|------|---------------|
| S Halep | 1 | 4 | 2.8 | 1 |
| S Stephens | 2 | 5 | 3.8 | 2 |
| A Kerber | 9 | 1 | 4.2 | 3 |
| M Keys | 10 | 2 | 5.2 | 4 |
| S Williams | 20 | 3 | 9.8 | 5 |
| A Sevastova | 11 | 9 | 9.8 | 6 |
| J Gorges | 8 | 13 | 11 | 7 |
| C Wozniacki | 4 | 17 | 11.8 | 8 |
| D Kasatkina | 12 | 12 | 12 | 9 |
| J Ostapenko | 6 | 16 | 12 | 10 |

4. Extend the Model to Determine G.O.A.T.

The comprehensive evaluation model in Section 3.3 only considers the performance of the athletes in one year. To determine the G.O.A.T. of a certain sport, we need to measure the performance of the players over a long period of time, but our core idea will not change, that is, self-breakthrough is "the greatest". We will consider the cumulative change of the score over time based on the RSM (3.11). In this way, the final score of a player is no longer simply an average of the ranking scores of all competitions. In addition, compared to tennis, other sports have a different scoring mechanism (or have more evaluation indicators), which will change the definition of the game performance parameter P in the model (3.11). We choose snooker as an example to test our algorithm.

The modeling process of the Section 4 is shown in Fig 3.

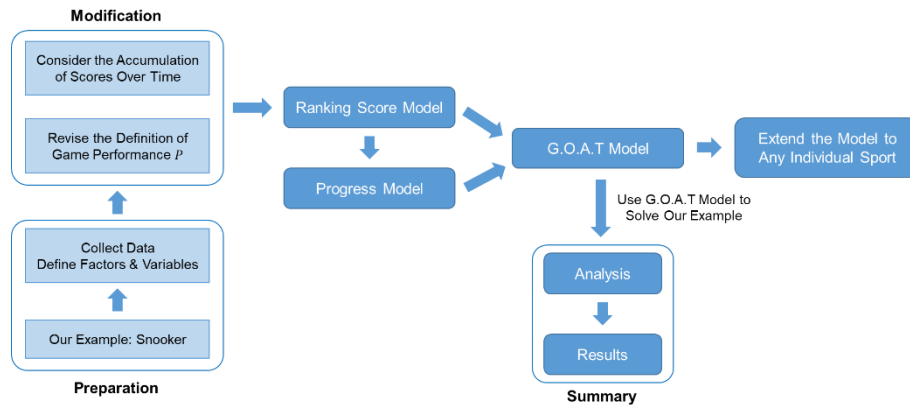


Fig 3: The modeling process of Section 4

4.1 Our Example: Snooker

We choose snooker as the example to test the G.O.A.T. model. Snooker's scoring rules in the game are very different from those of tennis, and we have selected some other indicators to add to the calculation of the RSM. In addition, the new model will consider the cumulative changes in scores over time. We will separately introduce the collection of snooker game data, the modifications made to the model, and the analysis of the solution results of our G.O.A.T model.

4.1.1 Data Description

We collected data [3] on five tournaments from 2007 to 2017. They are the World Championship, UK Championship, Shanghai Masters, Welsh Open and China Open. There are no small rounds in each round of snooker, and as the rounds increase, the competition system will change (generally, the later the round, the more wins are needed to win the game, and different rounds will use such as win 5 out of 9 sets, 6 out of 11 sets, 10 out of 19 sets, etc.).

We collected the world rankings of all players at the end of 2006 as the basis for the score initialization in the RSM. In addition, in addition to the game score, we will also use the other two indicators in the snooker game to participate in the calculation of the athlete's performance in the game. They are whether a single stroke breaks the 100 (that is, the score exceeds 100 in a single stroke) and whether to get a perfect score (that is, 147 points in a single stroke), we believe that these are two important indicators for evaluating the strength of snooker players. [Fig 4](#) shows the score record of the 2013 World Championship. Each record separately records the player's world ranking, name, score in the current round, the number of times a single stroke breaks 100 in this round, and the number of full scores in a single stroke in this round. All the snooker competition data we collected can be found in Attachment 4.

| | | | |
|----------------|----|---|---|
| 54 M White | 13 | 3 | 0 |
| 87 D Poomjaeng | 3 | 0 | 0 |
| 15 R Walden | 13 | 2 | 0 |
| 36 R Milkins | 11 | 3 | 0 |
| 2 J Trump | 13 | 2 | 0 |
| 28 M Fu | 7 | 0 | 0 |
| 9 R O'Sullivan | 13 | 2 | 0 |
| 17 A Carter | 8 | 2 | 0 |
| 6 S Murphy | 13 | 2 | 0 |
| 13 G Dott | 11 | 3 | 0 |
| 11 D Junhui | 13 | 3 | 0 |
| 31 M King | 9 | 1 | 0 |
| 22 B Hawkins | 13 | 4 | 0 |
| 1 M Selby | 10 | 2 | 0 |
| 16 S Bingham | 13 | 3 | 0 |
| 19 M Davis | 10 | 4 | 0 |

| | | | |
|---------------------|----|---|---|
| 15 Ricky Walden | 13 | 2 | 0 |
| 54 Michael White | 6 | 0 | 0 |
| 2 Judd Trump | 13 | 3 | 0 |
| 6 Shaun Murphy | 12 | 2 | 0 |
| 9 Ronnie O'Sullivan | 13 | 2 | 0 |
| 16 Stuart Bingham | 4 | 0 | 0 |
| 22 Barry Hawkins | 13 | 2 | 0 |
| 11 Ding Junhui | 7 | 0 | 0 |

| | | | |
|---------------------|----|---|---|
| 9 Ronnie O'Sullivan | 17 | 6 | 0 |
| 2 Judd Trump | 11 | 3 | 0 |
| 22 Barry Hawkins | 17 | 5 | 0 |
| 15 Ricky Walden | 14 | 6 | 0 |

| | | | |
|---------------------|----|---|---|
| 9 Ronnie O'Sullivan | 18 | 8 | 0 |
| 22 Barry Hawkins | 12 | 5 | 0 |

Fig 4: The score record of the 2013 World Championship

4.1.2 G.O.A.T. Model

We will obtain the G.O.A.T. model by changing the RSM on the basis of the comprehensive evaluation model [\(3.15\)](#). The core difference of the new algorithm is twofold. On the one hand, the ranking score update formula [\(3.11\)](#) needs to be accumulated over time; on the other hand, the player's game performance P (i.e. formula [\(3.9\)](#)) needs to be redefined according to the new scoring mechanism and newly added variables.

(a) Update of ranking scores

When determining the greatest female tennis player of 2018, we did not distinguish the order of the four tournaments. Instead, we used the player's status information to give them a new initial ranking score at the beginning of each game. The scores are updated independently for each tournament, and finally the average score of all games is counted as the final score.

In the new model, we also first consider the assignment of initial ranking scores. We collected a total of 103 snooker players' world rankings $Rank_0$ at the end of 2006 (if there is no ranking, $Rank_0$ is recorded as Blank), using the same idea as equation [\(3.4\)](#), we get the ranking score the initial value calculation formula [\(4.1\)](#) is as follows:

$$R = \begin{cases} 1000 & \text{Rank}_0 = \text{Blank}, \\ 1000 + \text{Round}(10^3 \times \ln[4 \cdot (94 - \text{Rank}_0 / 2) - 100] - 4400) & \text{Rank}_0 \neq \text{Blank}. \end{cases} \quad (4.1)$$

For each tournament, we basically use the formula (4.11) to update the ranking score of each player after the competition:

$$\overline{R}_A = R_A + \text{Round}(H_k \cdot C_k \cdot P \cdot (W - E_A) \cdot S) \quad (4.2)$$

The difference from the fourth quarter is that we need to sort the games according to the year (from 2007 to 2017) and the time of the five games each year. The ranking score after each comparison will be used as the initial score for the next game update, so that the ranking score will begin to accumulate over time, achieving a true "All Time".

In addition, the weight H_k of the tournament level in formula (4.2) is no longer fixed at $H = 16$. For the five games we considered, according to the gold content of the games, we set the weights of the World Championships, UK Championships, and Shanghai Masters as $H_1 = 8$, and set the weights of the Welsh Open and China Open as $H_2 = 16$.

Since snooker players have no special status (PR in tennis matches, or Seed/PR), we have deleted the indicator function representing the PR status from (3.11).

(b) The redefinition of game performance P

In a tennis match, each section of the game generally has 2 to 3 bars (two wins in three games), and each bar needs to be counted. In the snooker game, every round is divided into sections, but we can still use the P_i defined in the formula (3.7) to calculate the game performance P_0 of the entire round based on the point difference:

$$P_0 = \frac{1}{2} + \frac{1}{1 + e^{\frac{(-1)^{w_i} \cdot |\Delta_i|}{\mu_i}}}, \quad (4.3)$$

in which, μ_i is the scaling factor, which allows P_0 to be more evenly distributed in the interval (0.5, 1.5). Since the snooker game changes with the rounds, the winning game system (i.e. the number of rounds required to win the game) will change, so μ_i is related to the number of winning rounds l_i required for the current round. We give a definition method for μ_i :

$$\mu_i = \sqrt{l_i} - 1 \quad (4.4)$$

In formula (3.9), we also define an incentive coefficient p_0 (defined according to the win-loss situation in the three-game two-win system). The definition of p_0 does not apply in the snooker game. But we introduce two new parameters, p_1, p_2 , which respectively represent the incentives brought by a single shot and a single shot. We use the Logistic function to define these two incentives:

$$p_1 = \frac{1}{2} + \frac{1}{1 + e^{(-1)^{w_i} \cdot k_1}}, \quad p_2 = \frac{1}{2} + \frac{1}{1 + e^{(-1)^{w_i} \cdot 2k_2}} \quad (4.5)$$

k_1, k_2 respectively represent the number of breaks in a single stroke and the number of perfect scores in a single stroke. Finally, combining P_0, p_1, p_2 , we redefine the snooker game performance P as:

$$P = p_1 \cdot p_2 \cdot P_0 \quad (4.6)$$

It can be seen from formula (4.6) that when player A wins this game, the bigger the difference and the more times he breaks a hundred in a single stroke, it will get more points in the updated formula (3.11). When Player A loses in this game, combined with the definitions of p_1, p_2 , the smaller the score difference, the more the number of breaks in a single stroke and the more perfect scores in a single stroke (indicating that the game performed well, but accidentally lost the game) will decrease. The points to be deducted in formula (3.11). If the score difference is large under the conditions of defeat, and there is no record of single-stroke breaking 100 and single-stroke full score, the algorithm will consider the game performance to be poor and deduct more ranking points from the updated formula (3.11).

The above are the changes in the G.O.A.T. model. At the end of 2017, we still use (3.13) to measure the progress of each athlete, and together with the ranking scores form a comprehensive evaluation model to determine the snooker G.O.A.T. (2007-2017 period)

4.1.3 The G.O.A.T. of Snooker

Using the G.O.A.T. model, the overall ranking of 103 snooker players from 2007 to 2017 was calculated. Table 5 presents the scores of the top 10 athletes (see Attachment 5 for complete data). Draw a scatter plot of the ranking R_{RSM} of the RSM and the ranking R_{PM} of the PM as shown in Fig 5 (only the top 30 athletes in the G.O.A.T model are shown). Now, we can conclude: the G.O.A.T. (2007-2017 period) of snooker is Mark Selby.

Analyzing the results in Table 5, we can get:

- (a) In the RSM, Mark Selby's ranking rose from 9th to 2nd. From 2007 to 2017, Mark Selby entered the finals 15 times (9 times champion) and 25 times reached the semi-finals. His progress and breakthroughs are obvious to all. From 2007 to 2017, Snooker's G.O.A.T. was none other than him.
- (b) The ranking of Ronnie O'Sullivan in RSM rose from the third to the first, and the ranking of Ding Junhui in RSM rose from the 27th to the third. They are ahead of the world rankings, meanwhile, they are also at the top of PM, which is very consistent with our definition of "Greatest", so Ronnie O'Sullivan and Ding Junhui are tied for second place.
- (c) Comparing the solution results in Table 4 (Top 10 Women's Tennis Singles Comprehensive Score in 2018), we found that in the G.O.A.T. model, the players with the highest ranking in PM did not rank high in the comprehensive evaluation model. On the contrary, most of the top players in the G.O.A.T. model rank among the top in the RSM, and they also perform well in the PM. The above shows that when the G.O.A.T. model considers the accumulation

of ranking scores over time, the true "greatest" athletes should first accumulate extraordinary results (ranked among the best), and then continue to achieve self-breakthrough and transcendence.

Table 5: The top 10 snooker players in G.O.A.T. model

| Name | R_{RSM} | R_{PM} | CE | G.O.A.T. |
|-------------------|-----------|----------|------|----------|
| Mark Selby | 2 | 2 | 1.6 | 1 |
| Ronnie O'Sullivan | 1 | 5 | 2.4 | 2 |
| Ding Junhui | 3 | 3 | 2.4 | 2 |
| Stephen Maguire | 4 | 8 | 4.8 | 4 |
| Neil Robertson | 6 | 9 | 6 | 5 |
| Judd Trump | 10 | 7 | 6.8 | 6 |
| Ali Carter | 8 | 10 | 7.2 | 7 |
| Shaun Murphy | 5 | 13 | 7.2 | 7 |
| Mark Williams | 7 | 12 | 7.6 | 9 |
| Mark Allen | 25 | 4 | 11.6 | 10 |

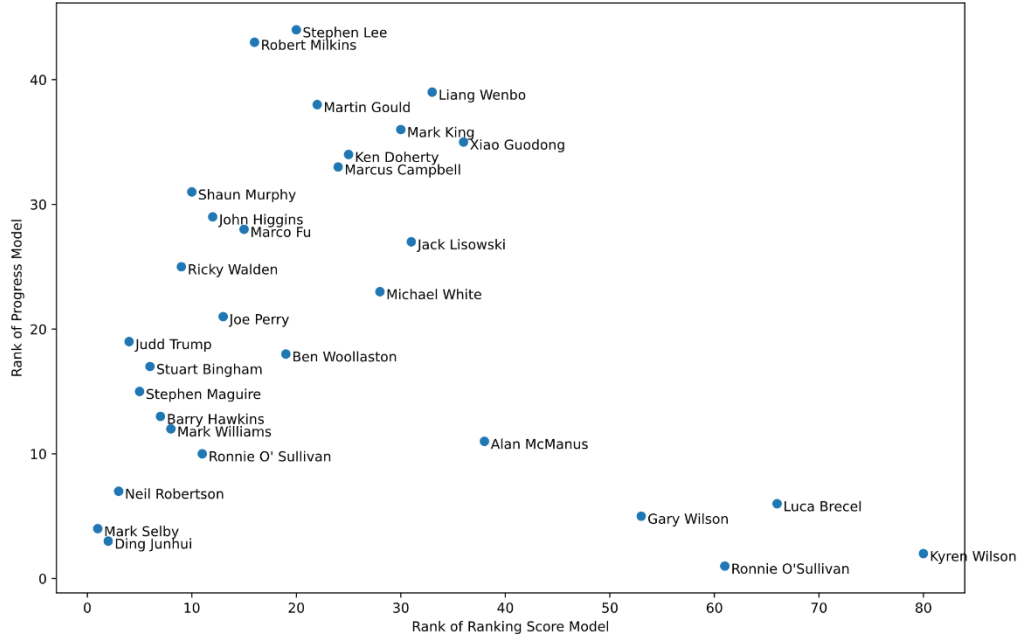


Fig 5: Scatter plot of R_{RSM} and R_{PM} (top 30 players in G.O.A.T. model)

4.2 Extend the G.O.A.T. Model to Any Individual Sport

It is easy to extend our G.O.A.T. model to any single-player sports. After determining the sport, there are generally three aspects of the model that need to be adjusted. First, adjust the players' initial ranking scores in the RSM according to the information they have mastered. Second, according to the characteristics of the game data, redefine the game performance P in the ranking score update formula (3.11). Third, examine the impact of player status on the fairness of ranking score updates and make appropriate adjustments. Next, we will explain these three tasks in more detail.

(a) Assignment of initial ranking scores

Before using the ranking score update formula, the current strength of the participating players must be evaluated and the initial ranking scores of each player must be assigned. This is an important basis for calculating winning expectations. There are many factors that can measure the strength of players. For example, in snooker we chose the current world ranking, while in the tennis match in the fourth quarter, we borrowed seeded rankings, qualifying matches and other information to assign values.

Under normal circumstances, we believe that the score difference between players should gradually decrease as the players' strength increases (this ensures that the information of subsequent matches will be better when updating scores, otherwise, the top players will be far away with extremely high score differences. Ahead of others). In addition, we believe that the initial score setting should be controlled within the interval $[1000, 2500]$. On the one hand, the lower limit of 1000 points ensures that no negative numbers appear when the score is updated. On the other hand, when the model uses the default parameters, the initial score in the range of $[1000, 2500]$ can make the proportion of the PM more gradual (generally no more than 15%).

(b) Redefining game performance P

Due to the different competition systems, scoring methods, and factors that determine the player's game performance, the definition of game performance P is relatively flexible. After determining the variables that can reflect the player's in-game performance, construct an index P that can objectively evaluate their performance. Since in the ranking score update model, points will be awarded for winning the game and points will be deducted for losing the game, and the game performance parameter P will be directly multiplied by the score change item $W - E_A$. For this reason, we need to ensure the parameter P has the following four properties:

- When a game wins, the better the player's performance is, the higher the P value should be, to get bonus points.
- When a game wins, the more ordinary the player's performance is, the lower the P value should be, not to receive additional rewards score.
- When a game fails, the better the player's performance, the lower the P value, to reduce the points that will be deducted for defeat.
- When a game fails, the worse the player's performance is, the higher the P value should be, so that P becomes a penalty.

Deduct more points. Taking the most common score difference Δ_i as an example as a variable to measure the performance P of the game, the Logistic function with the outcome of the win and loss W_i can well meet the above four properties, namely:

$$P = \frac{1}{2} + \frac{1}{1 + e^{(-1)^{W_i} \cdot \frac{|\Delta_i|}{2}}} \quad (4.7)$$

(c) Investigate the impact of player status on fairness

Sometimes, players cannot complete the game due to physical reasons, but their participation information will be recorded in the game (such as PR status in women's tennis). In this case, the opponent will directly win the current round. At this time, we lack the game score information needed to calculate the score update, and it would become unfair to update the score directly. In order to solve this problem, we can consider adding an indicative function representing the player's state in the score update, for example, consider the formula (3.11):

$$\overline{R}_A = R_A + \text{Round}(H \cdot C_k \cdot P \cdot (W - E_A) \cdot (1 - \chi_{PR}) \cdot S) \quad (3.11)$$

We added the PR state function χ_{PR} to the score update. If one of the players is in the PR state, the score will not be updated (because there is no match between the two at all). The same idea can be extended to other individual sports to ensure the fairness of score updates.

To sum up, the Fig 6 shows how to extending the G.O.A.T. model to any sport.

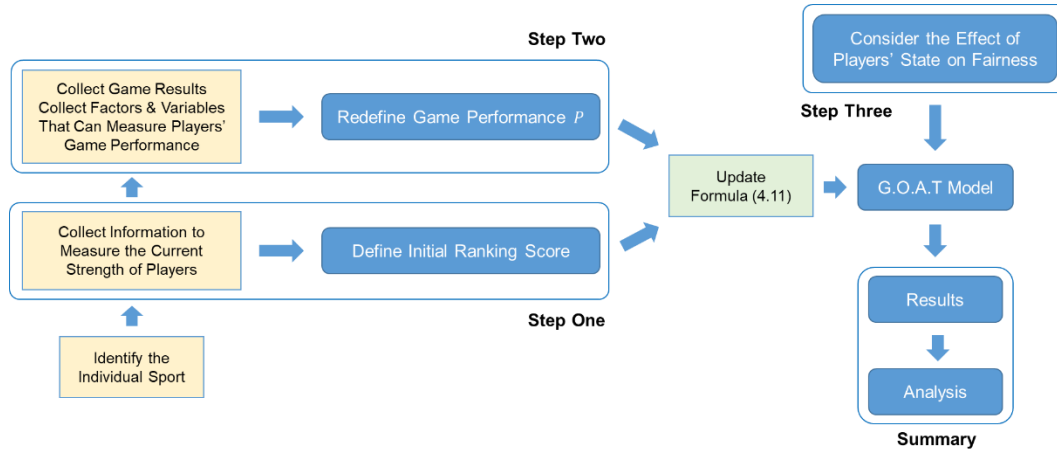


Fig 6: The method to extend the G.O.A.T. model to any individual sport

(Identify a sport and collect relevant information and data about the game.

There are three steps to adjust the parameters in G.O.A.T. model.

After getting the model, it is necessary to do model testing and analyze the results)

5. Extend the G.O.A.T. Model to Team Sport

In this section, we will extend the G.O.A.T. model to Team Sports and select NBA basketball players as the research group. As a collective sport, basketball is different from individual sports such as tennis and snooker in terms of competition methods and standards for measuring the ability of players. In response to the existing records of NBA player game data [4] and NBA basketball game rules, we have made some adjustments to the previous evaluation model of individual sports G.O.A.T.

First, the NBA has a special drafting mechanism. For players who are new to the league, the rounds in the draft represent their current strength and future development potential. Like the previous model, the rounds obtained by each player in the draft are quantified as the player's initial R_{pick} in the league. In each subsequent season, the player's performance point R_N will be added to the player's last season's final score. Next, explain in detail the composition of the performance points R_N during the season.

Different from individual sports, basketball games need to be completed in cooperation with other players. Therefore, in addition to selecting personal data and honors as one of the indicators for selecting G.O.A.T., players' contributions to the team are also an indispensable part. Here we introduce two concepts, Win Share (Wins) and Player Efficiency Rate (PER). Wins is used to measure the player's contribution to the team's victory at both the offensive and defensive ends (generally, the higher the WS value, the more important the player is to the team's victory), while PER considers the player's performance on the court. (Scores, rebounds, assists, steals, turnovers, etc.) are used to measure a player's efficiency value. The existence of this value allows players in different positions in different eras to be compared.

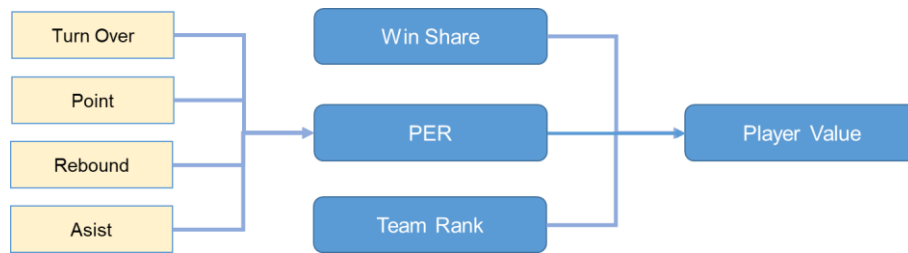


Fig 7: Factors contributing to player's value

A complete season can be divided into three stages: preseason, regular season, and playoffs. In the selection of G.O.A.T., we do not consider the performance of the players in the preseason.

In the regular season, the value of a player is not just about whether the personal data is good or not. The value of the data is largely determined by the team's record. We use the following formula to express the player's performance in the regular season:

$$R_0 = \frac{1}{1 + e^{-k_0 \cdot r \cdot w_0 \cdot p_0}} \quad (5.1)$$

Among them, r represents the player's regular season record ranking points, the better the regular season record of the team, the greater the value of r ; w_0 is the player's regular season Wins value; p_0 is the player's regular season PER value, k_0 is adjustable parameters. This design can fully consider the three factors of the player's team performance, personal victory contribution and personal efficiency, and filter out the outstanding personal PER value, but the team record is dismal, and the Wins value is not high. Karl-Anthony Towns in Fig 8 (source: [5]), his personal PER in the 2019-2020 season is as high as 26.5, ranking 7-th in the league, but his Wins value is only 5.1, which is the lowest of the top 10 PER. His Timberwolves team was only 14th in the West (second from the bottom) in the regular season. Therefore, only PER value, Wins value and team record are at a high level, the player's season performance points will be higher.

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| Rk | Player | Pos | Age | Tm | G | MP | PER | TS% | 3PAr | FT% | ORB% | DRB% | TRB% | AST% | STL% | BLK% | TOV% | USG% | OWS | DWS | WS | WS/48 | OBPM | DBPM | BPM | VORP |
|----|-----------------------|-----|-----|-----|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|-------|------|------|------|------|
| 1 | Giannis Antetokounmpo | PF | 25 | MIL | 63 | 1917 | 31.9 | .613 | .237 | .508 | 7.7 | 34.8 | 22.1 | 34.2 | 1.5 | 3.0 | 13.2 | 37.5 | 6.1 | 5.0 | 11.1 | .279 | 7.4 | 4.1 | 11.5 | 6.6 |
| 2 | James Harden | SG | 30 | HOU | 68 | 2483 | 29.1 | .626 | .557 | .528 | 2.9 | 16.0 | 9.4 | 35.9 | 2.3 | 2.1 | 14.2 | 36.3 | 9.9 | 3.2 | 13.1 | .254 | 8.1 | 1.6 | 9.6 | 7.3 |
| 3 | Luka Dončić | PG | 20 | DAL | 61 | 2047 | 27.6 | .585 | .431 | .448 | 4.1 | 25.0 | 14.7 | 45.7 | 1.5 | 0.6 | 14.8 | 36.8 | 6.5 | 2.3 | 8.8 | .207 | 7.4 | 1.0 | 8.4 | 5.4 |
| 4 | Anthony Davis | PF | 26 | LAL | 62 | 2131 | 27.4 | .610 | .199 | .479 | 7.4 | 22.1 | 14.8 | 15.1 | 2.0 | 6.0 | 10.4 | 29.3 | 6.7 | 4.4 | 11.1 | .250 | 5.4 | 2.6 | 8.0 | 5.4 |
| 5 | Damian Lillard | PG | 29 | POR | 66 | 2474 | 26.9 | .627 | .500 | .384 | 1.4 | 10.5 | 6.0 | 34.4 | 1.3 | 0.8 | 11.0 | 30.3 | 10.9 | 0.7 | 11.6 | .225 | 8.3 | -0.9 | 7.5 | 5.9 |
| 6 | Kawhi Leonard | SF | 28 | LAC | 57 | 1848 | 26.9 | .589 | .287 | .355 | 3.1 | 19.1 | 11.3 | 26.4 | 2.6 | 1.6 | 10.2 | 33.0 | 5.4 | 3.3 | 8.7 | .226 | 6.5 | 2.4 | 8.9 | 5.1 |
| 7 | Karl-Anthony Towns | C | 24 | MIN | 35 | 1187 | 26.5 | .642 | .445 | .363 | 8.1 | 26.1 | 16.8 | 22.8 | 1.3 | 2.9 | 13.2 | 28.8 | 3.7 | 1.3 | 5.1 | .204 | 7.0 | 0.8 | 7.8 | 2.9 |
| 8 | Joel Embiid | C | 25 | PHI | 51 | 1506 | 25.8 | .590 | .215 | .543 | 10.3 | 33.2 | 21.7 | 16.9 | 1.4 | 3.7 | 13.8 | 32.9 | 3.3 | 2.7 | 6.0 | .192 | 3.7 | 1.0 | 4.7 | 2.5 |
| 9 | LeBron James | PG | 35 | LAL | 67 | 2316 | 25.5 | .577 | .326 | .292 | 3.2 | 21.5 | 12.4 | 49.1 | 1.6 | 1.4 | 15.1 | 31.5 | 6.2 | 3.6 | 9.8 | .204 | 6.6 | 1.8 | 8.4 | 6.1 |
| 10 | Hassan Whiteside | C | 30 | ORL | 67 | 2008 | 25.0 | .644 | .010 | .340 | 13.6 | 33.3 | 23.6 | 5.9 | 0.6 | 8.4 | 12.9 | 19.6 | 5.6 | 3.0 | 8.5 | .204 | 2.5 | 0.7 | 3.2 | 2.6 |
| 11 | Nikola Jokić | C | 24 | DEN | 73 | 2336 | 24.9 | .605 | .238 | .281 | 8.0 | 26.1 | 17.1 | 35.2 | 1.8 | 1.7 | 15.8 | 26.6 | 6.7 | 3.1 | 9.8 | .202 | 5.5 | 2.0 | 7.4 | 5.5 |
| 12 | Travis Young | PG | 21 | ATL | 60 | 2120 | 23.9 | .595 | .455 | .448 | 1.6 | 11.5 | 6.5 | 45.6 | 1.4 | 0.3 | 16.2 | 34.9 | 5.3 | 0.6 | 5.9 | .133 | 6.2 | -2.3 | 3.9 | 3.1 |
| 13 | Jimmy Butler | SF | 30 | MIA | 58 | 1959 | 23.6 | .585 | .157 | .693 | 6.3 | 15.4 | 11.0 | 28.1 | 2.6 | 1.6 | 11.4 | 25.1 | 6.3 | 2.7 | 9.0 | .221 | 4.0 | 1.5 | 5.4 | 3.7 |
| 14 | Mitchell Robinson | C | 21 | NYK | 61 | 1412 | 23.5 | .726 | .000 | .434 | 13.7 | 18.8 | 16.2 | 3.9 | 1.8 | 8.0 | 8.3 | 13.3 | 4.8 | 2.0 | 6.8 | .230 | 1.6 | 1.4 | 2.9 | 1.8 |
| 15 | John Collins | PF | 22 | ATL | 41 | 1363 | 23.5 | .659 | .243 | .248 | 9.0 | 24.0 | 16.4 | 7.6 | 1.1 | 4.1 | 10.1 | 22.7 | 3.8 | 1.2 | 4.9 | .174 | 3.7 | -0.6 | 3.1 | 1.7 |
| 16 | Montrezl Harrell | C | 26 | LAC | 63 | 1749 | 23.2 | .607 | .022 | .432 | 9.9 | 16.3 | 13.2 | 10.3 | 1.1 | 3.6 | 10.1 | 25.7 | 4.4 | 2.5 | 7.0 | .191 | 2.5 | 0.5 | 2.9 | 2.2 |
| 17 | Bradley Beal | SG | 26 | WAS | 57 | 2053 | 23.2 | .579 | .369 | .351 | 2.7 | 10.5 | 6.4 | 29.5 | 1.6 | 1.0 | 11.4 | 34.4 | 4.5 | 0.6 | 5.1 | .118 | 5.3 | -2.4 | 2.9 | 2.5 |
| 18 | Christian Wood | PF | 24 | DET | 62 | 1325 | 23.2 | .659 | .276 | .476 | 8.8 | 24.8 | 16.7 | 7.6 | 1.3 | 3.4 | 12.0 | 23.0 | 3.6 | 1.5 | 5.1 | .183 | 3.5 | -0.3 | 3.1 | 1.7 |
| 19 | Jonas Valanciūnas | C | 27 | MEM | 70 | 1845 | 22.2 | .631 | .123 | .271 | 12.4 | 32.2 | 22.5 | 10.9 | 0.8 | 3.6 | 13.3 | 21.5 | 4.2 | 2.8 | 7.0 | .182 | 2.1 | 0.2 | 2.4 | 2.0 |
| 20 | Andre Drummond | C | 26 | TOT | 57 | 1879 | 22.0 | .553 | .045 | .375 | 14.9 | 37.5 | 26.0 | 13.6 | 2.8 | 4.2 | 18.2 | 25.9 | 0.6 | 3.6 | 4.2 | .108 | -0.1 | 1.1 | 0.9 | 1.4 |

Fig 8: Top 20 PER of players in 2019-2020 NBA regular season

In the playoffs, due to the difference between the game system and the regular season, the top teams in the regular season of the East and the West will face each other in 4 out of 7 sets wins. This game method is somewhat similar to the game system of snooker and tennis. We follow the evaluation model of the game performance in the first question, and set the corresponding incentive coefficient p_0 and single game performance score P_i .

$$P_i = \frac{1}{2} + \frac{1}{1 + e^{(-1)^{W_i} \frac{\Delta_i}{s}}}, (i = 1, \dots, 7) \quad (5.2)$$

in which, W_i is the game situation of the i -th round, $W_i = 1$ means victory, $W_i = 0$ means defeat, Δ_i means points difference, s takes a different value according to whether the game is a decisive game, if it is a tiebreaker, then s is taken a larger value used to control the difference in performance points (the ability to fight hard to the final game indicates that the two teams are close in strength). The team performance points for the entire series are:

$$P = p_0 \cdot \sum_i P_i \quad (5.3)$$

It is worth mentioning that due to the constant changes in the NBA game rhythm with the changes of the times, today's single game score difference is much larger than that of the game 10 or 20 years ago. Therefore, it needs to be based on the game rhythm of different eras. Adjust the value of s to obtain different expressions of single-field performance points P_i .

Therefore, the player's performance score P_i in this series is:

$$R_i = \frac{1}{1 + e^{-k_i \cdot P \cdot w_i \cdot p_i}}, i = 1, 2, 3, 4 \quad (5.4)$$

in which, k_i, P, w_i, p_i are series parameters, series team performance points, player series Wins value and series PER value respectively.

On the other hand, according to the intensity of each round of the regular season and the playoffs, similar to the previous model's game weight setting, different weights are given to the regular season, the first round of the playoffs, the division semifinals, the division finals, and the finals. $C_k (k = 0, 1, 2, 3, 4, \text{ and } C_0 > C_1 > C_2 > C_3 > C_4)$, and set the team promotion indicator function:

$$S(x) = \begin{cases} 1 & \text{The team advanced,} \\ 0 & \text{The team was eliminated.} \end{cases} \quad (5.5)$$

And the player injury indicator function:

$$\chi_i = \begin{cases} 1 & \text{The player missed more than half of the game because of injury,} \\ 0 & \text{others.} \end{cases} \quad (5.6)$$

The player's performance score in the season is divided into:

$$R_{game} = \sum_{i=0}^4 C_i (1 - \chi_i) R_i S(x) \quad (5.7)$$

For the various honors awarded by the NBA each season (regular season MVP, summary MVP, best team, All-Star, best rookie, DPOY, etc.) and the player's current season salary (salary level can be measured to a certain extent player ability and transaction value), after standard quantification based on historical data, the player's season honor points R_h and season salary points R_s are obtained. Thus, the player's performance score during this season is divided into:

$$R_{season} = \theta_1 R_{game} + \theta_2 R_h + \theta_3 R_s \quad (5.8)$$

$\theta_1, \theta_2, \theta_3$ respectively represent the weight of the three points in the season.

In the end, we can get the G.O.A.T performance score of a player who has been in the league for n years:

$$R_G = R_{pick} + \sum_{season=1}^n R_{season} \quad (5.9)$$

6. Letter

From: IMMC Team# 21897867

To: The Director of *Top Sport*

Date: March 20, 2021

Dear Director,

According to your requirements, we analyze results of 4 singles women's tennis Grand Slam tournaments in 2018 and form a Comprehensive Evaluation Model to measure athletes' "greatness" and find the best athlete in 2018. We also test our model with data of snooker players, figure out the G.O.A.T. from 2007 to 2017 and conclude some useful findings based on the analysis.

Before we start, we define the greatest athlete as the one who can achieve the greatest self-breakthrough and maintain a good performance at the same time. Therefore, we choose several factors contributing to this greatness: player's latest ranking, competition performance and ranking change before and after the tournament.

First, we take into account the athlete's expectation of winning and combine it with other factors indicating her performance in the competition to fairly update her ranking score after each tournament. As for the athlete's progress, we calculate the ratio of the ranking change to the former ranking to get the athlete's progress in every tournament. Then we combine the results from these two parts to get the conclusion that Simona Halep is the greatest female tennis player in 2018.

Owing to the comprehensive and flexible structure, our model has the following merits:

- (1) The model makes full use of the information of rankings and competition results to precisely evaluate every athlete's performance.
- (2) The update of athlete's ranking scores is thoughtfully and practically designed to meet the demand of fairness.
- (3) When applying the model to other individual or team sports, you only need to change a few parameters to adopt to the new sport's rules.

To further prove the validity of our model, we test it with the example of snooker on a larger time scale. We collect data of 5 authoritative official competitions from 2007-2017 to figure out who is the greatest snooker player during this time.

First, we redefine the player's competition performance, making it cater to snooker's rules and modify the update formula of player's ranking score so that it will be able to realize the accumulation of his/her rankings over time. Besides, considering particular outstanding performance in snooker (breaking one hundred in a single stroke or getting whole 147 points), we give rewards to such accomplishments to further improve the model's precision and fairness.

After calculating overall evaluation scores of 103 snooker players from 2007 to 2017, we find that Mark Selby is the G.O.A.T in this period. On one thing, his ranking rose from 9th to 2nd and kept high for a relative long time; on the other, he reached the semi-finals of the 5 kind competitions we investigated for 25 times and entered the finals for 15 times (9 times championship, 60% winning rate). Observing players with high scores in our model, we find that those who achieves great progress unnecessarily rank among the top in the final results, while those who got higher ranking scores often achieved enough progress to make them at the top of our final G.O.A.T. list. This finding is exactly in line with our definition of "greatest" which verify the model's validity.

Thanks for taking the time out of your busy schedule to read our letter. Hope our advice can help.

IMMC Team # 21827183

7. References

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- [4] [NBA data sources](https://www.basketball-reference.com/)
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- [5] Fig 8 source
https://www.basketball-reference.com/leagues/NBA_2020_advanced.html#advanced_stats::per

8. Attachment

Attachment 1: The ranking scores of woman tennis players of 2018

| Name | Wimbledon Championships | French Open | US Open | Australian Open | Average Ranking Score |
|------------------|-------------------------|-------------|---------|-----------------|-----------------------|
| A Barty | | | 1349 | | 1349 |
| A Kerber | 1519 | 1464 | | 1392 | 1458.3333 |
| A Kontaveit | | 1292 | | 1205 | 1248.5 |
| A Sasnovich | 990 | | 1277 | | 1133.5 |
| A Sevastova | | | 1432 | | 1432 |
| A Van Uytvanck | 989 | | | | 989 |
| B Bencic | 987 | | | | 987 |
| B Strycova | | 1261 | | 1338 | 1299.5 |
| C Garcia | | 1432 | | 1420 | 1426 |
| C Giorgi | 1045 | | | | 1045 |
| C Suarez Navarro | | | 1297 | 1040 | 1168.5 |
| C Wozniacki | | 1457 | | 1552 | 1504.5 |
| D Allertova | | | | 1089 | 1089 |
| D Cibulkova | 1046 | | 1250 | | 1148 |
| D Kasatkina | 1412 | 1445 | | | 1428.5 |
| D Vekic | 989 | | | | 989 |
| E Makarova | 977 | | | | 977 |
| E Mertens | | 1371 | 1375 | 1080 | 1275.3333 |
| E Rodina | 1087 | | | | 1087 |
| E Svitolina | | | 1433 | 1489 | 1461 |
| G Muguruza | | 1514 | | | 1514 |
| J Gorges | 1459 | | | | 1459 |
| J Ostapenko | 1462 | | | | 1462 |
| K Bertens | 1399 | | | | 1399 |

| | | | | | |
|---------------|------|------|------|------|-----------|
| K Kanepi | | | 989 | | 989 |
| Ka Pliskova | 1426 | | 1479 | 1484 | 1463 |
| L Tsurenko | | 989 | 1032 | | 1010.5 |
| M Buzamescu | | 1228 | | | 1228 |
| M Keys | | 1460 | 1464 | 1421 | 1448.3333 |
| M Rybarikova | | | | 1346 | 1346 |
| M Sharapova | | 1271 | 1306 | | 1288.5 |
| M Vondrousova | | | 980 | | 980 |
| N Osaka | | | 1423 | 991 | 1207 |
| P Martic | | | | 970 | 970 |
| S Halep | | 1574 | | 1546 | 1560 |
| S Stephens | | 1518 | 1515 | | 1516.5 |
| S Williams | 1443 | 1150 | 1439 | | 1344 |
| S-w Hsieh | 978 | | | 988 | 983 |
| Y Putintseva | | 1056 | | | 1056 |

Attachment 2: The progress of woman tennis players of 2018

| Name | Wimbledon Championships | French Open | US Open | Australia n Open | Average Progress |
|------------------|-------------------------|-------------|---------|------------------|------------------|
| A Barty | | | -1.60% | | -1.60% |
| A Kerber | 6.52% | 3.24% | | 3.49% | 13.26% |
| A Kontaveit | | -1.22% | | -2.27% | -3.49% |
| A Sasnovich | -1.00% | | -1.62% | | -2.62% |
| A Sevastova | | | 5.06% | | 5.06% |
| A Van Uytvanck | -1.10% | | | | -1.10% |
| B Bencic | -1.30% | | | | -1.30% |
| B Strycova | | -2.85% | | -1.18% | -4.03% |
| C Garcia | | -1.51% | | -1.87% | -3.38% |
| C Giorgi | 4.50% | | | | 4.50% |
| C Suarez Navarro | | | 3.26% | 4.00% | 7.26% |
| C Wozniacki | | -1.95% | | 4.44% | 2.49% |
| D Allertova | | | | -1.00% | -1.00% |
| D Cibulkova | 4.60% | | -1.34% | | 3.26% |
| D Kasatkina | 0.64% | 2.99% | | | 3.64% |
| D Vekic | -1.10% | | | | -1.10% |
| E Makarova | -2.30% | | | | -2.30% |
| E Mertens | | -1.22% | -1.43% | 8.00% | 5.34% |
| E Rodina | -1.18% | | | | -1.18% |
| E Svitolina | | | -1.44% | 1.02% | -0.43% |
| G Muguruza | | 2.30% | | | 2.30% |
| J Gorges | 3.40% | | | | 3.40% |
| J Ostapenko | 3.10% | | | | 3.10% |
| K Bertens | 3.32% | | | | 3.32% |
| K Kanepi | | | -1.10% | | -1.10% |
| Ka Pliskova | -1.93% | | 2.21% | 1.64% | 1.93% |
| L Tsurenko | | -1.10% | 3.20% | | 2.10% |

| | | | | | |
|---------------|--------|--------|--------|--------|--------|
| M Buzamescu | | -1.37% | | | -1.37% |
| M Keys | | 3.47% | 4.35% | 3.05% | 10.87% |
| M Rybarikova | | | | -1.25% | -1.25% |
| M Sharapova | | -0.55% | -2.25% | | -2.79% |
| M Vondrousova | | | -2.00% | | -2.00% |
| N Osaka | | | 5.10% | -0.90% | 4.20% |
| P Martic | | | | -3.00% | -3.00% |
| S Halep | | 5.50% | | 3.62% | 9.12% |
| S Stephens | | 5.93% | 2.36% | | 8.30% |
| S Williams | 5.71% | 0.00% | 4.35% | | 10.07% |
| S-w Hsieh | -2.20% | | | -1.20% | -3.40% |
| Y Putintseva | | 5.60% | | | 5.60% |

Attachment 3: The comprehensive scores of woman tennis players of 2018

| Name | RSM | PM | CEM |
|------------------|-----|----|------|
| A Barty | 15 | 30 | 24 |
| A Kerber | 9 | 1 | 4.2 |
| A Kontaveit | 21 | 38 | 31.2 |
| A Sasnovich | 26 | 33 | 30.2 |
| A Sevastova | 11 | 9 | 9.8 |
| A Van Uytvanck | 32 | 23 | 26.6 |
| B Bencic | 35 | 28 | 30.8 |
| B Strycova | 17 | 39 | 30.2 |
| C Garcia | 13 | 36 | 26.8 |
| C Giorgi | 30 | 10 | 18 |
| C Suarez Navarro | 24 | 6 | 13.2 |
| C Wozniacki | 4 | 17 | 11.8 |
| D Allertova | 27 | 22 | 24 |
| D Cibulkova | 25 | 15 | 19 |
| D Kasatkina | 12 | 12 | 12 |
| D Vekic | 33 | 24 | 27.6 |
| E Makarova | 38 | 32 | 34.4 |
| E Mertens | 19 | 8 | 12.4 |
| E Rodina | 28 | 26 | 26.8 |
| E Svitolina | 7 | 21 | 15.4 |
| G Muguruza | 3 | 18 | 12 |
| J Gorges | 8 | 13 | 11 |
| J Ostapenko | 6 | 16 | 12 |
| K Bertens | 14 | 14 | 14 |
| K Kanepi | 34 | 25 | 28.6 |
| Ka Pliskova | 5 | 20 | 14 |
| L Tsurenko | 31 | 19 | 23.8 |
| M Buzamescu | 22 | 29 | 26.2 |
| M Keys | 10 | 2 | 5.2 |
| M Rybarikova | 16 | 27 | 22.6 |
| M Sharapova | 18 | 34 | 27.6 |

| | | | |
|---------------|----|----|------|
| M Vondrousova | 37 | 31 | 33.4 |
| N Osaka | 23 | 11 | 15.8 |
| P Martic | 39 | 35 | 36.6 |
| S Halep | 1 | 4 | 2.8 |
| S Stephens | 2 | 5 | 3.8 |
| S Williams | 20 | 3 | 9.8 |
| S-w Hsieh | 36 | 37 | 36.6 |
| Y Putintseva | 29 | 7 | 15.8 |

Attachment 4: Snooker competition data

Data for 2007

| Name | round | year | match | win | H | C |
|-------------------|-------|------|-------|-----|----|-----|
| Ronnie O'Sullivan | 5 | 2007 | CO | 1 | 16 | 4 |
| Ali Carter | 4 | 2007 | CO | 0 | 16 | 4 |
| Shaun Murphy | 5 | 2007 | CO | 1 | 16 | 4 |
| Stephen Maguire | 2 | 2007 | CO | 0 | 16 | 4 |
| John Higgins | 5 | 2007 | CO | 1 | 16 | 4 |
| Jimmy White | 1 | 2007 | CO | 0 | 16 | 4 |
| Barry Hawkins | 5 | 2007 | CO | 1 | 16 | 4 |
| Joe Swail | 0 | 2007 | CO | 0 | 16 | 4 |
| Marco Fu | 5 | 2007 | CO | 1 | 16 | 4 |
| Matthew Stevens | 3 | 2007 | CO | 0 | 16 | 4 |
| Graeme Dott | 5 | 2007 | CO | 1 | 16 | 4 |
| Neil Robertson | 1 | 2007 | CO | 0 | 16 | 4 |
| Ken Doherty | 5 | 2007 | CO | 1 | 16 | 4 |
| Mark Selby | 1 | 2007 | CO | 0 | 16 | 4 |
| Jamie Cope | 5 | 2007 | CO | 1 | 16 | 4 |
| Stuart Bingham | 4 | 2007 | CO | 0 | 16 | 4 |
| Ronnie O'Sullivan | 5 | 2007 | CO | 1 | 16 | 2 |
| Marco Fu | 3 | 2007 | CO | 0 | 16 | 2 |
| Barry Hawkins | 5 | 2007 | CO | 1 | 16 | 2 |
| Ken Doherty | 4 | 2007 | CO | 0 | 16 | 2 |
| Graeme Dott | 5 | 2007 | CO | 1 | 16 | 2 |
| John Higgins | 2 | 2007 | CO | 0 | 16 | 2 |
| Jamie Cope | 5 | 2007 | CO | 1 | 16 | 2 |
| Shaun Murphy | 0 | 2007 | CO | 0 | 16 | 2 |
| Graeme Dott | 6 | 2007 | CO | 1 | 16 | 1 |
| Ronnie O'Sullivan | 2 | 2007 | CO | 0 | 16 | 1 |
| Jamie Cope | 6 | 2007 | CO | 1 | 16 | 1 |
| Barry Hawkins | 5 | 2007 | CO | 0 | 16 | 1 |
| Graeme Dott | 9 | 2007 | CO | 1 | 16 | 0.5 |
| Jamie Cope | 5 | 2007 | CO | 0 | 16 | 0.5 |
| Matthew Stevens | 5 | 2007 | SM | 1 | 8 | 4 |
| Stephen Maguire | 4 | 2007 | SM | 0 | 8 | 4 |
| Mark Selby | 5 | 2007 | SM | 1 | 8 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|---|-----|
| John Higgins | 3 | 2007 | SM | 0 | 8 | 4 |
| Stephen Lee | 5 | 2007 | SM | 1 | 8 | 4 |
| Stephen Hendry | 3 | 2007 | SM | 0 | 8 | 4 |
| Dave Harold | 5 | 2007 | SM | 1 | 8 | 4 |
| Steve Davis | 1 | 2007 | SM | 0 | 8 | 4 |
| Graeme Dott | 5 | 2007 | SM | 1 | 8 | 4 |
| Ding Junhui | 1 | 2007 | SM | 0 | 8 | 4 |
| Ryan Day | 5 | 2007 | SM | 1 | 8 | 4 |
| Ian McCulloch | 3 | 2007 | SM | 0 | 8 | 4 |
| Dominic Dale | 5 | 2007 | SM | 1 | 8 | 4 |
| Adrian Gunnell | 1 | 2007 | SM | 0 | 8 | 4 |
| Stuart Bingham | 5 | 2007 | SM | 1 | 8 | 4 |
| Stuart Pettman | 4 | 2007 | SM | 0 | 8 | 4 |
| Mark Selby | 5 | 2007 | SM | 1 | 8 | 2 |
| Stuart Bingham | 0 | 2007 | SM | 0 | 8 | 2 |
| Graeme Dott | 5 | 2007 | SM | 1 | 8 | 2 |
| Stephen Lee | 4 | 2007 | SM | 0 | 8 | 2 |
| Ryan Day | 5 | 2007 | SM | 1 | 8 | 2 |
| Matthew Stevens | 4 | 2007 | SM | 0 | 8 | 2 |
| Dominic Dale | 5 | 2007 | SM | 1 | 8 | 2 |
| Dave Harold | 1 | 2007 | SM | 0 | 8 | 2 |
| Ryan Day | 6 | 2007 | SM | 1 | 8 | 1 |
| Graeme Dott | 2 | 2007 | SM | 0 | 8 | 1 |
| Dominic Dale | 6 | 2007 | SM | 1 | 8 | 1 |
| Mark Selby | 3 | 2007 | SM | 0 | 8 | 1 |
| Dominic Dale | 10 | 2007 | SM | 1 | 8 | 0.5 |
| Ryan Day | 6 | 2007 | SM | 0 | 8 | 0.5 |
| Mark Williams | 9 | 2007 | UK | 1 | 8 | 4 |
| Mark Allen | 5 | 2007 | UK | 0 | 8 | 4 |
| Mark Selby | 9 | 2007 | UK | 1 | 8 | 4 |
| Dave Harold | 2 | 2007 | UK | 0 | 8 | 4 |
| Ronnie O'Sullivan | 9 | 2007 | UK | 1 | 8 | 4 |
| Mark King | 1 | 2007 | UK | 0 | 8 | 4 |
| Shaun Murphy | 9 | 2007 | UK | 1 | 8 | 4 |
| Stuart Bingham | 3 | 2007 | UK | 0 | 8 | 4 |
| Stephen Maguire | 9 | 2007 | UK | 1 | 8 | 4 |
| Ian McCulloch | 5 | 2007 | UK | 0 | 8 | 4 |
| Ding Junhui | 9 | 2007 | UK | 1 | 8 | 4 |
| Nigel Bond | 5 | 2007 | UK | 0 | 8 | 4 |
| Marco Fu | 9 | 2007 | UK | 1 | 8 | 4 |
| Joe Perry | 2 | 2007 | UK | 0 | 8 | 4 |
| Jamie Cope | 9 | 2007 | UK | 1 | 8 | 4 |
| Barry Hawkins | 8 | 2007 | UK | 0 | 8 | 4 |
| Mark Selby | 9 | 2007 | UK | 1 | 8 | 2 |
| Marco Fu | 7 | 2007 | UK | 0 | 8 | 2 |
| Ronnie O'Sullivan | 9 | 2007 | UK | 1 | 8 | 2 |
| Jamie Cope | 2 | 2007 | UK | 0 | 8 | 2 |
| Shaun Murphy | 9 | 2007 | UK | 1 | 8 | 2 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Ding Junhui | 7 | 2007 | UK | 0 | 8 | 2 |
| Stephen Maguire | 9 | 2007 | UK | 1 | 8 | 2 |
| Mark Williams | 5 | 2007 | UK | 0 | 8 | 2 |
| Ronnie O'Sullivan | 9 | 2007 | UK | 1 | 8 | 1 |
| Mark Selby | 8 | 2007 | UK | 0 | 8 | 1 |
| Stephen Maguire | 9 | 2007 | UK | 1 | 8 | 1 |
| Shaun Murphy | 5 | 2007 | UK | 0 | 8 | 1 |
| Ronnie O'Sullivan | 10 | 2007 | UK | 1 | 8 | 0.5 |
| Stephen Maguire | 2 | 2007 | UK | 0 | 8 | 0.5 |
| Neil Robertson | 5 | 2007 | WO | 1 | 16 | 4 |
| Stephen Hendry | 3 | 2007 | WO | 0 | 16 | 4 |
| Ronnie O'Sullivan | 5 | 2007 | WO | 1 | 16 | 4 |
| Mark Selby | 1 | 2007 | WO | 0 | 16 | 4 |
| Shaun Murphy | 5 | 2007 | WO | 1 | 16 | 4 |
| Jamie Burnett | 4 | 2007 | WO | 0 | 16 | 4 |
| Stephen Maguire | 5 | 2007 | WO | 1 | 16 | 4 |
| Ken Doherty | 3 | 2007 | WO | 0 | 16 | 4 |
| Andrew Higginson | 5 | 2007 | WO | 1 | 16 | 4 |
| Michael Judge | 1 | 2007 | WO | 0 | 16 | 4 |
| Anthony Hamilton | 5 | 2007 | WO | 1 | 16 | 4 |
| Dave Harold | 3 | 2007 | WO | 0 | 16 | 4 |
| Steve Davis | 5 | 2007 | WO | 1 | 16 | 4 |
| Graeme Dott | 3 | 2007 | WO | 0 | 16 | 4 |
| Ali Carter | 5 | 2007 | WO | 1 | 16 | 4 |
| Nigel Bond | 4 | 2007 | WO | 0 | 16 | 4 |
| Neil Robertson | 5 | 2007 | WO | 1 | 16 | 2 |
| Ronnie O'Sullivan | 4 | 2007 | WO | 0 | 16 | 2 |
| Stephen Maguire | 5 | 2007 | WO | 1 | 16 | 2 |
| Shaun Murphy | 3 | 2007 | WO | 0 | 16 | 2 |
| Andrew Higginson | 5 | 2007 | WO | 1 | 16 | 2 |
| Ali Carter | 1 | 2007 | WO | 0 | 16 | 2 |
| Steve Davis | 5 | 2007 | WO | 1 | 16 | 2 |
| Anthony Hamilton | 4 | 2007 | WO | 0 | 16 | 2 |
| Neil Robertson | 6 | 2007 | WO | 1 | 16 | 1 |
| Steve Davis | 3 | 2007 | WO | 0 | 16 | 1 |
| Andrew Higginson | 6 | 2007 | WO | 1 | 16 | 1 |
| Stephen Maguire | 3 | 2007 | WO | 0 | 16 | 1 |
| Neil Robertson | 9 | 2007 | WO | 1 | 16 | 0.5 |
| Andrew Higginson | 8 | 2007 | WO | 0 | 16 | 0.5 |
| Matthew Stevens | 13 | 2007 | WC | 1 | 8 | 4 |
| Mark Allen | 9 | 2007 | WC | 0 | 8 | 4 |
| Mark Selby | 13 | 2007 | WC | 1 | 8 | 4 |
| Peter Ebdon | 8 | 2007 | WC | 0 | 8 | 4 |
| Ronnie O'Sullivan | 13 | 2007 | WC | 1 | 8 | 4 |
| Neil Robertson | 10 | 2007 | WC | 0 | 8 | 4 |
| Shaun Murphy | 13 | 2007 | WC | 1 | 8 | 4 |
| John Parrott | 8 | 2007 | WC | 0 | 8 | 4 |
| Stephen Maguire | 13 | 2007 | WC | 1 | 8 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|---|-----|
| Joe Swail | 8 | 2007 | WC | 0 | 8 | 4 |
| John Higgins | 13 | 2007 | WC | 1 | 8 | 4 |
| Fergal O'Brien | 4 | 2007 | WC | 0 | 8 | 4 |
| Anthony Hamilton | 13 | 2007 | WC | 1 | 8 | 4 |
| Ian McCulloch | 8 | 2007 | WC | 0 | 8 | 4 |
| Ali Carter | 13 | 2007 | WC | 1 | 8 | 4 |
| Stephen Hendry | 6 | 2007 | WC | 0 | 8 | 4 |
| Mark Selby | 13 | 2007 | WC | 1 | 8 | 2 |
| Ali Carter | 12 | 2007 | WC | 0 | 8 | 2 |
| Shaun Murphy | 13 | 2007 | WC | 1 | 8 | 2 |
| Matthew Stevens | 12 | 2007 | WC | 0 | 8 | 2 |
| Stephen Maguire | 13 | 2007 | WC | 1 | 8 | 2 |
| Anthony Hamilton | 7 | 2007 | WC | 0 | 8 | 2 |
| John Higgins | 13 | 2007 | WC | 1 | 8 | 2 |
| Ronnie O'Sullivan | 9 | 2007 | WC | 0 | 8 | 2 |
| Mark Selby | 17 | 2007 | WC | 1 | 8 | 1 |
| Shaun Murphy | 16 | 2007 | WC | 0 | 8 | 1 |
| John Higgins | 17 | 2007 | WC | 1 | 8 | 1 |
| Stephen Maguire | 15 | 2007 | WC | 0 | 8 | 1 |
| John Higgins | 18 | 2007 | WC | 1 | 8 | 0.5 |
| Mark Selby | 13 | 2007 | WC | 0 | 8 | 0.5 |

Data for 2008

| Name | round | year | match | win | H | C |
|-----------------|----------|------|-------|-----|----|---|
| Mark Williams | 5 | 2008 | CO | 1 | 16 | 4 |
| Peter Ebdon | 2 | 2008 | CO | 0 | 16 | 4 |
| Mark Selby | 5 | 2008 | CO | 1 | 16 | 4 |
| Marco Fu | 3 | 2008 | CO | 0 | 16 | 4 |
| Shaun Murphy | 5 | 2008 | CO | 1 | 16 | 4 |
| Ding Junhui | 4 | 2008 | CO | 0 | 16 | 4 |
| Stephen Maguire | 5 | 2008 | CO | 1 | 16 | 4 |
| Barry Hawkins | 2 | 2008 | CO | 0 | 16 | 4 |
| John Higgins | 5 | 2008 | CO | 1 | 16 | 4 |
| Mark King | 1 | 2008 | CO | 0 | 16 | 4 |
| Ryan Day | 5 | 2008 | CO | 1 | 16 | 4 |
| Ken Doherty | 3 | 2008 | CO | 0 | 16 | 4 |
| Nigel Bond | 5 | 2008 | CO | 1 | 16 | 4 |
| Barry Pinches | 1 | 2008 | CO | 0 | 16 | 4 |
| Mark Allen | 5 | 2008 | CO | 1 | 16 | 4 |
| Ali Carter | 3 | 2008 | CO | 0 | 16 | 4 |
| Mark Selby | 5 | 2008 | CO | 1 | 16 | 2 |
| John Higgins | 2 | 2008 | CO | 0 | 16 | 2 |
| Shaun Murphy | 5 | 2008 | CO | 1 | 16 | 2 |
| Mark Allen | 3 | 2008 | CO | 0 | 16 | 2 |
| Stephen Maguire | 5 | 2008 | CO | 1 | 16 | 2 |
| Nigel Bond | 0 | 2008 | CO | 0 | 16 | 2 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Ryan Day | 5 | 2008 | CO | 1 | 16 | 2 |
| Mark Williams | 3 | 2008 | CO | 0 | 16 | 2 |
| Shaun Murphy | 6 | 2008 | CO | 1 | 16 | 1 |
| Mark Selby | 3 | 2008 | CO | 0 | 16 | 1 |
| Stephen Maguire | 6 | 2008 | CO | 1 | 16 | 1 |
| Ryan Day | 5 | 2008 | CO | 0 | 16 | 1 |
| Stephen Maguire | 10 | 2008 | CO | 1 | 16 | 0.5 |
| Shaun Murphy | 9 | 2008 | CO | 0 | 16 | 0.5 |
| Mark Williams | 5 | 2008 | SM | 1 | 8 | 4 |
| Jamie Cope | 2 | 2008 | SM | 0 | 8 | 4 |
| Ricky Walden | 5 | 2008 | SM | 1 | 8 | 4 |
| Neil Robertson | 4 | 2008 | SM | 0 | 8 | 4 |
| Mark Selby | 5 | 2008 | SM | 1 | 8 | 4 |
| Mark King | 0 | 2008 | SM | 0 | 8 | 4 |
| Ronnie O'Sullivan | 5 | 2008 | SM | 1 | 8 | 4 |
| Joe Perry | 3 | 2008 | SM | 0 | 8 | 4 |
| Stephen Maguire | 5 | 2008 | SM | 1 | 8 | 4 |
| Stuart Bingham | 3 | 2008 | SM | 0 | 8 | 4 |
| Marco Fu | 5 | 2008 | SM | 1 | 8 | 4 |
| Andy Hicks | 2 | 2008 | SM | 0 | 8 | 4 |
| Ryan Day | 5 | 2008 | SM | 1 | 8 | 4 |
| John Higgins | 3 | 2008 | SM | 0 | 8 | 4 |
| Steve Davis | 5 | 2008 | SM | 1 | 8 | 4 |
| Dave Harold | 4 | 2008 | SM | 0 | 8 | 4 |
| Ricky Walden | 5 | 2008 | SM | 1 | 8 | 2 |
| Steve Davis | 2 | 2008 | SM | 0 | 8 | 2 |
| Mark Selby | 5 | 2008 | SM | 1 | 8 | 2 |
| Marco Fu | 3 | 2008 | SM | 0 | 8 | 2 |
| Ronnie O'Sullivan | 5 | 2008 | SM | 1 | 8 | 2 |
| Mark Williams | 3 | 2008 | SM | 0 | 8 | 2 |
| Stephen Maguire | 5 | 2008 | SM | 1 | 8 | 2 |
| Ryan Day | 4 | 2008 | SM | 0 | 8 | 2 |
| Ricky Walden | 6 | 2008 | SM | 1 | 8 | 1 |
| Mark Selby | 4 | 2008 | SM | 0 | 8 | 1 |
| Ronnie O'Sullivan | 6 | 2008 | SM | 1 | 8 | 1 |
| Stephen Maguire | 5 | 2008 | SM | 0 | 8 | 1 |
| Ricky Walden | 10 | 2008 | SM | 1 | 8 | 0.5 |
| Ronnie O'Sullivan | 8 | 2008 | SM | 0 | 8 | 0.5 |
| Mark Williams | 9 | 2008 | UK | 1 | 8 | 4 |
| Graeme Dott | 7 | 2008 | UK | 0 | 8 | 4 |
| Joe Perry | 9 | 2008 | UK | 1 | 8 | 4 |
| Ronnie O'Sullivan | 5 | 2008 | UK | 0 | 8 | 4 |
| Shaun Murphy | 9 | 2008 | UK | 1 | 8 | 4 |
| Mark Allen | 7 | 2008 | UK | 0 | 8 | 4 |
| Stephen Maguire | 9 | 2008 | UK | 1 | 8 | 4 |
| Neil Robertson | 8 | 2008 | UK | 0 | 8 | 4 |
| Ali Carter | 9 | 2008 | UK | 1 | 8 | 4 |
| Peter Ebdon | 5 | 2008 | UK | 0 | 8 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Stephen Lee | 9 | 2008 | UK | 1 | 8 | 4 |
| Mark King | 5 | 2008 | UK | 0 | 8 | 4 |
| John Higgins | 9 | 2008 | UK | 1 | 8 | 4 |
| Ding Junhui | 4 | 2008 | UK | 0 | 8 | 4 |
| Marco Fu | 9 | 2008 | UK | 1 | 8 | 4 |
| Matthew Stevens | 5 | 2008 | UK | 0 | 8 | 4 |
| Shaun Murphy | 9 | 2008 | UK | 1 | 8 | 2 |
| Stephen Lee | 7 | 2008 | UK | 0 | 8 | 2 |
| Stephen Maguire | 9 | 2008 | UK | 1 | 8 | 2 |
| John Higgins | 7 | 2008 | UK | 0 | 8 | 2 |
| Marco Fu | 9 | 2008 | UK | 1 | 8 | 2 |
| Joe Perry | 7 | 2008 | UK | 0 | 8 | 2 |
| Ali Carter | 9 | 2008 | UK | 1 | 8 | 2 |
| Mark Williams | 8 | 2008 | UK | 0 | 8 | 2 |
| Shaun Murphy | 9 | 2008 | UK | 1 | 8 | 1 |
| Stephen Maguire | 4 | 2008 | UK | 0 | 8 | 1 |
| Marco Fu | 9 | 2008 | UK | 1 | 8 | 1 |
| Ali Carter | 7 | 2008 | UK | 0 | 8 | 1 |
| Shaun Murphy | 10 | 2008 | UK | 1 | 8 | 0.5 |
| Marco Fu | 9 | 2008 | UK | 0 | 8 | 0.5 |
| Mark Selby | 5 | 2008 | WO | 1 | 16 | 4 |
| Ken Doherty | 2 | 2008 | WO | 0 | 16 | 4 |
| Joe Perry | 5 | 2008 | WO | 1 | 16 | 4 |
| Stuart Bingham | 2 | 2008 | WO | 0 | 16 | 4 |
| Ronnie O'Sullivan | 5 | 2008 | WO | 1 | 16 | 4 |
| Steve Davis | 3 | 2008 | WO | 0 | 16 | 4 |
| Shaun Murphy | 5 | 2008 | WO | 1 | 16 | 4 |
| Mark Williams | 2 | 2008 | WO | 0 | 16 | 4 |
| Stephen Lee | 5 | 2008 | WO | 1 | 16 | 4 |
| Michael Judge | 2 | 2008 | WO | 0 | 16 | 4 |
| John Higgins | 5 | 2008 | WO | 1 | 16 | 4 |
| Ding Junhui | 1 | 2008 | WO | 0 | 16 | 4 |
| Stephen Hendry | 5 | 2008 | WO | 1 | 16 | 4 |
| Ryan Day | 4 | 2008 | WO | 0 | 16 | 4 |
| Ali Carter | 5 | 2008 | WO | 1 | 16 | 4 |
| Neil Robertson | 3 | 2008 | WO | 0 | 16 | 4 |
| Mark Selby | 5 | 2008 | WO | 1 | 16 | 2 |
| John Higgins | 2 | 2008 | WO | 0 | 16 | 2 |
| Ronnie O'Sullivan | 5 | 2008 | WO | 1 | 16 | 2 |
| Ali Carter | 4 | 2008 | WO | 0 | 16 | 2 |
| Shaun Murphy | 5 | 2008 | WO | 1 | 16 | 2 |
| Joe Perry | 0 | 2008 | WO | 0 | 16 | 2 |
| Stephen Hendry | 5 | 2008 | WO | 1 | 16 | 2 |
| Stephen Lee | 2 | 2008 | WO | 0 | 16 | 2 |
| Mark Selby | 6 | 2008 | WO | 1 | 16 | 1 |
| Stephen Hendry | 4 | 2008 | WO | 0 | 16 | 1 |
| Ronnie O'Sullivan | 6 | 2008 | WO | 1 | 16 | 1 |
| Shaun Murphy | 3 | 2008 | WO | 0 | 16 | 1 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Mark Selby | 9 | 2008 | WO | 1 | 16 | 0.5 |
| Ronnie O'Sullivan | 8 | 2008 | WO | 0 | 16 | 0.5 |
| Liang Wenbo | 13 | 2008 | WC | 1 | 8 | 4 |
| Joe Swail | 12 | 2008 | WC | 0 | 8 | 4 |
| Joe Perry | 13 | 2008 | WC | 1 | 8 | 4 |
| Stuart Bingham | 9 | 2008 | WC | 0 | 8 | 4 |
| Ronnie O'Sullivan | 13 | 2008 | WC | 1 | 8 | 4 |
| Mark Williams | 7 | 2008 | WC | 0 | 8 | 4 |
| Stephen Maguire | 13 | 2008 | WC | 1 | 8 | 4 |
| Neil Robertson | 7 | 2008 | WC | 0 | 8 | 4 |
| Stephen Hendry | 13 | 2008 | WC | 1 | 8 | 4 |
| Ding Junhui | 7 | 2008 | WC | 0 | 8 | 4 |
| Peter Ebdon | 13 | 2008 | WC | 1 | 8 | 4 |
| Mark King | 9 | 2008 | WC | 0 | 8 | 4 |
| Ryan Day | 13 | 2008 | WC | 1 | 8 | 4 |
| John Higgins | 9 | 2008 | WC | 0 | 8 | 4 |
| Ali Carter | 13 | 2008 | WC | 1 | 8 | 4 |
| Shaun Murphy | 4 | 2008 | WC | 0 | 8 | 4 |
| Joe Perry | 13 | 2008 | WC | 1 | 8 | 2 |
| Stephen Maguire | 12 | 2008 | WC | 0 | 8 | 2 |
| Ronnie O'Sullivan | 13 | 2008 | WC | 1 | 8 | 2 |
| Liang Wenbo | 7 | 2008 | WC | 0 | 8 | 2 |
| Stephen Hendry | 13 | 2008 | WC | 1 | 8 | 2 |
| Ryan Day | 7 | 2008 | WC | 0 | 8 | 2 |
| Ali Carter | 13 | 2008 | WC | 1 | 8 | 2 |
| Peter Ebdon | 9 | 2008 | WC | 0 | 8 | 2 |
| Ronnie O'Sullivan | 17 | 2008 | WC | 1 | 8 | 1 |
| Stephen Hendry | 6 | 2008 | WC | 0 | 8 | 1 |
| Ali Carter | 17 | 2008 | WC | 1 | 8 | 1 |
| Joe Perry | 15 | 2008 | WC | 0 | 8 | 1 |
| Ronnie O'Sullivan | 18 | 2008 | WC | 1 | 8 | 0.5 |
| Ali Carter | 8 | 2008 | WC | 0 | 8 | 0.5 |

Data for 2009

| Name | round | year | match | win | H | C |
|-------------------|----------|------|-------|-----|----|---|
| Stuart Pettman | 5 | 2009 | CO | 1 | 16 | 4 |
| Ali Carter | 2 | 2009 | CO | 0 | 16 | 4 |
| Ronnie O'Sullivan | 5 | 2009 | CO | 1 | 16 | 4 |
| Xiao Guodong | 3 | 2009 | CO | 0 | 16 | 4 |
| Shaun Murphy | 5 | 2009 | CO | 1 | 16 | 4 |
| Neil Robertson | 1 | 2009 | CO | 0 | 16 | 4 |
| John Higgins | 5 | 2009 | CO | 1 | 16 | 4 |
| Tian Pengfei | 2 | 2009 | CO | 0 | 16 | 4 |
| Stephen Hendry | 5 | 2009 | CO | 1 | 16 | 4 |
| Ricky Walden | 4 | 2009 | CO | 0 | 16 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Peter Ebdon | 5 | 2009 | CO | 1 | 16 | 4 |
| Dave Harold | 3 | 2009 | CO | 0 | 16 | 4 |
| Graeme Dott | 5 | 2009 | CO | 1 | 16 | 4 |
| Mark Selby | 1 | 2009 | CO | 0 | 16 | 4 |
| Ryan Day | 5 | 2009 | CO | 1 | 16 | 4 |
| Mark King | 2 | 2009 | CO | 0 | 16 | 4 |
| Stuart Pettman | 5 | 2009 | CO | 1 | 16 | 2 |
| Graeme Dott | 2 | 2009 | CO | 0 | 16 | 2 |
| John Higgins | 5 | 2009 | CO | 1 | 16 | 2 |
| Ronnie O'Sullivan | 4 | 2009 | CO | 0 | 16 | 2 |
| Peter Ebdon | 5 | 2009 | CO | 1 | 16 | 2 |
| Stephen Hendry | 1 | 2009 | CO | 0 | 16 | 2 |
| Ryan Day | 5 | 2009 | CO | 1 | 16 | 2 |
| Shaun Murphy | 0 | 2009 | CO | 0 | 16 | 2 |
| John Higgins | 6 | 2009 | CO | 1 | 16 | 1 |
| Ryan Day | 4 | 2009 | CO | 0 | 16 | 1 |
| Peter Ebdon | 6 | 2009 | CO | 1 | 16 | 1 |
| Stuart Pettman | 1 | 2009 | CO | 0 | 16 | 1 |
| Peter Ebdon | 10 | 2009 | CO | 1 | 16 | 0.5 |
| John Higgins | 8 | 2009 | CO | 0 | 16 | 0.5 |
| Liang Wenbo | 5 | 2009 | SM | 1 | 8 | 4 |
| Ali Carter | 0 | 2009 | SM | 0 | 8 | 4 |
| Ricky Walden | 5 | 2009 | SM | 1 | 8 | 4 |
| Stephen Hendry | 1 | 2009 | SM | 0 | 8 | 4 |
| Ronnie O'Sullivan | 5 | 2009 | SM | 1 | 8 | 4 |
| Marco Fu | 2 | 2009 | SM | 0 | 8 | 4 |
| Shaun Murphy | 5 | 2009 | SM | 1 | 8 | 4 |
| Jamie Cope | 0 | 2009 | SM | 0 | 8 | 4 |
| Ding Junhui | 5 | 2009 | SM | 1 | 8 | 4 |
| Stuart Bingham | 2 | 2009 | SM | 0 | 8 | 4 |
| John Higgins | 5 | 2009 | SM | 1 | 8 | 4 |
| Mark Williams | 1 | 2009 | SM | 0 | 8 | 4 |
| Ken Doherty | 5 | 2009 | SM | 1 | 8 | 4 |
| Barry Hawkins | 4 | 2009 | SM | 0 | 8 | 4 |
| Ryan Day | 5 | 2009 | SM | 1 | 8 | 4 |
| Matthew Stevens | 4 | 2009 | SM | 0 | 8 | 4 |
| Ricky Walden | 5 | 2009 | SM | 1 | 8 | 2 |
| Steve Davis | 2 | 2009 | SM | 0 | 8 | 2 |
| Mark Selby | 5 | 2009 | SM | 1 | 8 | 2 |
| Marco Fu | 3 | 2009 | SM | 0 | 8 | 2 |
| Ronnie O'Sullivan | 5 | 2009 | SM | 1 | 8 | 2 |
| Mark Williams | 3 | 2009 | SM | 0 | 8 | 2 |
| Stephen Maguire | 5 | 2009 | SM | 1 | 8 | 2 |
| Ryan Day | 4 | 2009 | SM | 0 | 8 | 2 |
| Ricky Walden | 6 | 2009 | SM | 1 | 8 | 1 |
| Mark Selby | 4 | 2009 | SM | 0 | 8 | 1 |
| Ronnie O'Sullivan | 6 | 2009 | SM | 1 | 8 | 1 |
| Stephen Maguire | 5 | 2009 | SM | 0 | 8 | 1 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Ricky Walden | 10 | 2009 | SM | 1 | 8 | 0.5 |
| Ronnie O'Sullivan | 8 | 2009 | SM | 0 | 8 | 0.5 |
| Ding Junhui | 9 | 2009 | UK | 1 | 8 | 4 |
| Shaun Murphy | 3 | 2009 | UK | 0 | 8 | 4 |
| Ali Carter | 9 | 2009 | UK | 1 | 8 | 4 |
| Stephen Lee | 5 | 2009 | UK | 0 | 8 | 4 |
| Stephen Maguire | 9 | 2009 | UK | 1 | 8 | 4 |
| Stuart Bingham | 3 | 2009 | UK | 0 | 8 | 4 |
| Peter Lines | 9 | 2009 | UK | 1 | 8 | 4 |
| Mark Williams | 8 | 2009 | UK | 0 | 8 | 4 |
| John Higgins | 9 | 2009 | UK | 1 | 8 | 4 |
| Neil Robertson | 8 | 2009 | UK | 0 | 8 | 4 |
| Liang Wenbo | 9 | 2009 | UK | 1 | 8 | 4 |
| Mark King | 2 | 2009 | UK | 0 | 8 | 4 |
| Ronnie O'Sullivan | 9 | 2009 | UK | 1 | 8 | 4 |
| Peter Ebdon | 3 | 2009 | UK | 0 | 8 | 4 |
| Mark Selby | 9 | 2009 | UK | 1 | 8 | 4 |
| Stephen Hendry | 5 | 2009 | UK | 0 | 8 | 4 |
| Ding Junhui | 9 | 2009 | UK | 1 | 8 | 2 |
| Ali Carter | 8 | 2009 | UK | 0 | 8 | 2 |
| Stephen Maguire | 9 | 2009 | UK | 1 | 8 | 2 |
| Peter Lines | 5 | 2009 | UK | 0 | 8 | 2 |
| John Higgins | 9 | 2009 | UK | 1 | 8 | 2 |
| Liang Wenbo | 2 | 2009 | UK | 0 | 8 | 2 |
| Ronnie O'Sullivan | 9 | 2009 | UK | 1 | 8 | 2 |
| Mark Selby | 3 | 2009 | UK | 0 | 8 | 2 |
| Ding Junhui | 9 | 2009 | UK | 1 | 8 | 1 |
| Stephen Maguire | 5 | 2009 | UK | 0 | 8 | 1 |
| John Higgins | 9 | 2009 | UK | 1 | 8 | 1 |
| Ronnie O'Sullivan | 8 | 2009 | UK | 0 | 8 | 1 |
| Ding Junhui | 10 | 2009 | UK | 1 | 8 | 0.5 |
| John Higgins | 8 | 2009 | UK | 0 | 8 | 0.5 |
| Ali Carter | 5 | 2009 | WO | 1 | 16 | 4 |
| Graeme Dott | 4 | 2009 | WO | 0 | 16 | 4 |
| Shaun Murphy | 5 | 2009 | WO | 1 | 16 | 4 |
| Mark King | 2 | 2009 | WO | 0 | 16 | 4 |
| Anthony Hamilton | 5 | 2009 | WO | 1 | 16 | 4 |
| Michael Judge | 2 | 2009 | WO | 0 | 16 | 4 |
| Mark Selby | 5 | 2009 | WO | 1 | 16 | 4 |
| David Gilbert | 1 | 2009 | WO | 0 | 16 | 4 |
| Joe Swail | 5 | 2009 | WO | 1 | 16 | 4 |
| Martin Gould | 1 | 2009 | WO | 0 | 16 | 4 |
| Stephen Maguire | 5 | 2009 | WO | 1 | 16 | 4 |
| Ding Junhui | 4 | 2009 | WO | 0 | 16 | 4 |
| Neil Robertson | 5 | 2009 | WO | 1 | 16 | 4 |
| John Higgins | 4 | 2009 | WO | 0 | 16 | 4 |
| Marco Fu | 5 | 2009 | WO | 1 | 16 | 4 |
| Ronnie O'Sullivan | 3 | 2009 | WO | 0 | 16 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Ali Carter | 5 | 2009 | WO | 1 | 16 | 2 |
| Shaun Murphy | 3 | 2009 | WO | 0 | 16 | 2 |
| Anthony Hamilton | 5 | 2009 | WO | 1 | 16 | 2 |
| Mark Selby | 3 | 2009 | WO | 0 | 16 | 2 |
| Joe Swail | 5 | 2009 | WO | 1 | 16 | 2 |
| Stephen Maguire | 4 | 2009 | WO | 0 | 16 | 2 |
| Neil Robertson | 5 | 2009 | WO | 1 | 16 | 2 |
| Marco Fu | 2 | 2009 | WO | 0 | 16 | 2 |
| Ali Carter | 6 | 2009 | WO | 1 | 16 | 1 |
| Anthony Hamilton | 5 | 2009 | WO | 0 | 16 | 1 |
| Joe Swail | 6 | 2009 | WO | 1 | 16 | 1 |
| Neil Robertson | 4 | 2009 | WO | 0 | 16 | 1 |
| Ali Carter | 9 | 2009 | WO | 1 | 16 | 0.5 |
| Joe Swail | 5 | 2009 | WO | 0 | 16 | 0.5 |
| John Higgins | 13 | 2009 | WC | 1 | 8 | 4 |
| Jamie Cope | 12 | 2009 | WC | 0 | 8 | 4 |
| Mark Selby | 13 | 2009 | WC | 1 | 8 | 4 |
| Graeme Dott | 10 | 2009 | WC | 0 | 8 | 4 |
| Mark Allen | 13 | 2009 | WC | 1 | 8 | 4 |
| Ronnie O'Sullivan | 11 | 2009 | WC | 0 | 8 | 4 |
| Ryan Day | 13 | 2009 | WC | 1 | 8 | 4 |
| Nigel Bond | 5 | 2009 | WC | 0 | 8 | 4 |
| Shaun Murphy | 13 | 2009 | WC | 1 | 8 | 4 |
| Marco Fu | 3 | 2009 | WC | 0 | 8 | 4 |
| Stephen Hendry | 13 | 2009 | WC | 1 | 8 | 4 |
| Ding Junhui | 10 | 2009 | WC | 0 | 8 | 4 |
| Neil Robertson | 13 | 2009 | WC | 1 | 8 | 4 |
| Ali Carter | 8 | 2009 | WC | 0 | 8 | 4 |
| Stephen Maguire | 13 | 2009 | WC | 1 | 8 | 4 |
| Mark King | 6 | 2009 | WC | 0 | 8 | 4 |
| John Higgins | 13 | 2009 | WC | 1 | 8 | 2 |
| Mark Selby | 12 | 2009 | WC | 0 | 8 | 2 |
| Mark Allen | 13 | 2009 | WC | 1 | 8 | 2 |
| Ryan Day | 11 | 2009 | WC | 0 | 8 | 2 |
| Shaun Murphy | 13 | 2009 | WC | 1 | 8 | 2 |
| Stephen Hendry | 11 | 2009 | WC | 0 | 8 | 2 |
| Neil Robertson | 13 | 2009 | WC | 1 | 8 | 2 |
| Stephen Maguire | 8 | 2009 | WC | 0 | 8 | 2 |
| John Higgins | 17 | 2009 | WC | 1 | 8 | 1 |
| Mark Allen | 13 | 2009 | WC | 0 | 8 | 1 |
| Shaun Murphy | 17 | 2009 | WC | 1 | 8 | 1 |
| Neil Robertson | 14 | 2009 | WC | 0 | 8 | 1 |
| John Higgins | 18 | 2009 | WC | 1 | 8 | 0.5 |
| Shaun Murphy | 9 | 2009 | WC | 0 | 8 | 0.5 |

Data for 2010

| Name | round | year | match | win | H | C |
|------------------|-----------|------|-------|-----|----|-----|
| Mark Williams | 5 | 2010 | CO | 1 | 16 | 4 |
| John Higgins | 2 | 2010 | CO | 0 | 16 | 4 |
| Marco Fu | 5 | 2010 | CO | 1 | 16 | 4 |
| Nigel Bond | 3 | 2010 | CO | 0 | 16 | 4 |
| Ali Carter | 5 | 2010 | CO | 1 | 16 | 4 |
| Joe Perry | 3 | 2010 | CO | 0 | 16 | 4 |
| Mark King | 5 | 2010 | CO | 1 | 16 | 4 |
| Tian Pengfei | 3 | 2010 | CO | 0 | 16 | 4 |
| Ding Junhui | 5 | 2010 | CO | 1 | 16 | 4 |
| Mark Selby | 3 | 2010 | CO | 0 | 16 | 4 |
| Peter Ebdon | 5 | 2010 | CO | 1 | 16 | 4 |
| Neil Robertson | 1 | 2010 | CO | 0 | 16 | 4 |
| Mark Allen | 5 | 2010 | CO | 1 | 16 | 4 |
| Stephen Maguire | 3 | 2010 | CO | 0 | 16 | 4 |
| Stephen Hendry | 5 | 2010 | CO | 1 | 16 | 4 |
| Ryan Day | 0 | 2010 | CO | 0 | 16 | 4 |
| Mark Williams | 5 | 2010 | CO | 1 | 16 | 2 |
| Marco Fu | 1 | 2010 | CO | 0 | 16 | 2 |
| Ali Carter | 5 | 2010 | CO | 1 | 16 | 2 |
| Mark King | 1 | 2010 | CO | 0 | 16 | 2 |
| Ding Junhui | 5 | 2010 | CO | 1 | 16 | 2 |
| Peter Ebdon | 2 | 2010 | CO | 0 | 16 | 2 |
| Mark Allen | 5 | 2010 | CO | 1 | 16 | 2 |
| Stephen Hendry | 4 | 2010 | CO | 0 | 16 | 2 |
| Mark Williams | 6 | 2010 | CO | 1 | 16 | 1 |
| Ali Carter | 4 | 2010 | CO | 0 | 16 | 1 |
| Ding Junhui | 6 | 2010 | CO | 1 | 16 | 1 |
| Mark Allen | 2 | 2010 | CO | 0 | 16 | 1 |
| Mark Williams | 10 | 2010 | CO | 1 | 16 | 0.5 |
| Ding Junhui | 6 | 2010 | CO | 0 | 16 | 0.5 |
| Ali Carter | 5 | 2010 | SM | 1 | 8 | 4 |
| Stuart Bingham | 3 | 2010 | SM | 0 | 8 | 4 |
| Matthew Stevens | 5 | 2010 | SM | 1 | 8 | 4 |
| Shaun Murphy | 2 | 2010 | SM | 0 | 8 | 4 |
| Mark Selby | 5 | 2010 | SM | 1 | 8 | 4 |
| Martin Gould | 4 | 2010 | SM | 0 | 8 | 4 |
| Mark King | 5 | 2010 | SM | 1 | 8 | 4 |
| Peter Ebdon | 3 | 2010 | SM | 0 | 8 | 4 |
| Jamie Burnett | 5 | 2010 | SM | 1 | 8 | 4 |
| Andrew Higginson | 0 | 2010 | SM | 0 | 8 | 4 |
| Mark Davis | 5 | 2010 | SM | 1 | 8 | 4 |
| Stephen Maguire | 3 | 2010 | SM | 0 | 8 | 4 |
| Jamie Cope | 5 | 2010 | SM | 1 | 8 | 4 |
| Ding Junhui | 1 | 2010 | SM | 0 | 8 | 4 |
| Graeme Dott | 5 | 2010 | SM | 1 | 8 | 4 |
| Mark Williams | 4 | 2010 | SM | 0 | 8 | 4 |

| | | | | | | |
|------------------|-----------|------|----|---|----|-----|
| Ali Carter | 5 | 2010 | SM | 1 | 8 | 2 |
| Matthew Stevens | 4 | 2010 | SM | 0 | 8 | 2 |
| Mark Selby | 5 | 2010 | SM | 1 | 8 | 2 |
| Mark King | 1 | 2010 | SM | 0 | 8 | 2 |
| Jamie Burnett | 5 | 2010 | SM | 1 | 8 | 2 |
| Mark Davis | 4 | 2010 | SM | 0 | 8 | 2 |
| Jamie Cope | 5 | 2010 | SM | 1 | 8 | 2 |
| Graeme Dott | 2 | 2010 | SM | 0 | 8 | 2 |
| Ali Carter | 6 | 2010 | SM | 1 | 8 | 1 |
| Mark Selby | 2 | 2010 | SM | 0 | 8 | 1 |
| Jamie Burnett | 6 | 2010 | SM | 1 | 8 | 1 |
| Jamie Cope | 1 | 2010 | SM | 0 | 8 | 1 |
| Ali Carter | 10 | 2010 | SM | 1 | 8 | 0.5 |
| Jamie Burnett | 7 | 2010 | SM | 0 | 8 | 0.5 |
| John Higgins | 9 | 2010 | UK | 1 | 8 | 4 |
| Graeme Dott | 8 | 2010 | UK | 0 | 8 | 4 |
| Stephen Maguire | 9 | 2010 | UK | 1 | 8 | 4 |
| Mark Selby | 7 | 2010 | UK | 0 | 8 | 4 |
| Mark Allen | 9 | 2010 | UK | 1 | 8 | 4 |
| Ding Junhui | 8 | 2010 | UK | 0 | 8 | 4 |
| Stuart Bingham | 9 | 2010 | UK | 1 | 8 | 4 |
| Marco Fu | 2 | 2010 | UK | 0 | 8 | 4 |
| Mark Williams | 9 | 2010 | UK | 1 | 8 | 4 |
| Stephen Hendry | 6 | 2010 | UK | 0 | 8 | 4 |
| Mark Joyce | 9 | 2010 | UK | 1 | 8 | 4 |
| Judd Trump | 7 | 2010 | UK | 0 | 8 | 4 |
| Shaun Murphy | 9 | 2010 | UK | 1 | 8 | 4 |
| Ryan Day | 8 | 2010 | UK | 0 | 8 | 4 |
| Neil Robertson | 9 | 2010 | UK | 1 | 8 | 4 |
| Andrew Higginson | 5 | 2010 | UK | 0 | 8 | 4 |
| John Higgins | 9 | 2010 | UK | 1 | 8 | 2 |
| Stephen Maguire | 7 | 2010 | UK | 0 | 8 | 2 |
| Mark Allen | 9 | 2010 | UK | 1 | 8 | 2 |
| Stuart Bingham | 7 | 2010 | UK | 0 | 8 | 2 |
| Mark Williams | 9 | 2010 | UK | 1 | 8 | 2 |
| Mark Joyce | 7 | 2010 | UK | 0 | 8 | 2 |
| Shaun Murphy | 9 | 2010 | UK | 1 | 8 | 2 |
| Neil Robertson | 7 | 2010 | UK | 0 | 8 | 2 |
| John Higgins | 9 | 2010 | UK | 1 | 8 | 1 |
| Mark Allen | 5 | 2010 | UK | 0 | 8 | 1 |
| Mark Williams | 9 | 2010 | UK | 1 | 8 | 1 |
| Shaun Murphy | 8 | 2010 | UK | 0 | 8 | 1 |
| John Higgins | 10 | 2010 | UK | 1 | 8 | 0.5 |
| Mark Williams | 9 | 2010 | UK | 0 | 8 | 0.5 |
| John Higgins | 5 | 2010 | WO | 1 | 16 | 4 |
| Graeme Dott | 1 | 2010 | WO | 0 | 16 | 4 |
| Mark Selby | 5 | 2010 | WO | 1 | 16 | 4 |
| Mark King | 3 | 2010 | WO | 0 | 16 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Ronnie O'Sullivan | 5 | 2010 | WO | 1 | 16 | 4 |
| Jamie Cope | 0 | 2010 | WO | 0 | 16 | 4 |
| Mark Allen | 5 | 2010 | WO | 1 | 16 | 4 |
| Matthew Stevens | 2 | 2010 | WO | 0 | 16 | 4 |
| Ali Carter | 5 | 2010 | WO | 1 | 16 | 4 |
| Neil Robertson | 2 | 2010 | WO | 0 | 16 | 4 |
| Ryan Day | 5 | 2010 | WO | 1 | 16 | 4 |
| Stephen Hendry | 3 | 2010 | WO | 0 | 16 | 4 |
| Stephen Maguire | 5 | 2010 | WO | 1 | 16 | 4 |
| Barry Hawkins | 1 | 2010 | WO | 0 | 16 | 4 |
| Mark Williams | 5 | 2010 | WO | 1 | 16 | 4 |
| Andrew Higginson | 0 | 2010 | WO | 0 | 16 | 4 |
| John Higgins | 5 | 2010 | WO | 1 | 16 | 2 |
| Mark Selby | 2 | 2010 | WO | 0 | 16 | 2 |
| Ronnie O'Sullivan | 5 | 2010 | WO | 1 | 16 | 2 |
| Mark Allen | 2 | 2010 | WO | 0 | 16 | 2 |
| Ali Carter | 5 | 2010 | WO | 1 | 16 | 2 |
| Ryan Day | 2 | 2010 | WO | 0 | 16 | 2 |
| Stephen Maguire | 5 | 2010 | WO | 1 | 16 | 2 |
| Mark Williams | 1 | 2010 | WO | 0 | 16 | 2 |
| John Higgins | 6 | 2010 | WO | 1 | 16 | 1 |
| Ronnie O'Sullivan | 4 | 2010 | WO | 0 | 16 | 1 |
| Ali Carter | 6 | 2010 | WO | 1 | 16 | 1 |
| Stephen Maguire | 3 | 2010 | WO | 0 | 16 | 1 |
| John Higgins | 9 | 2010 | WO | 1 | 16 | 0.5 |
| Ali Carter | 4 | 2010 | WO | 0 | 16 | 0.5 |
| Neil Robertson | 13 | 2010 | WC | 1 | 8 | 4 |
| Martin Gould | 12 | 2010 | WC | 0 | 8 | 4 |
| Steve Davis | 13 | 2010 | WC | 1 | 8 | 4 |
| John Higgins | 11 | 2010 | WC | 0 | 8 | 4 |
| Ali Carter | 13 | 2010 | WC | 1 | 8 | 4 |
| Joe Perry | 11 | 2010 | WC | 0 | 8 | 4 |
| Shaun Murphy | 13 | 2010 | WC | 1 | 8 | 4 |
| Ding Junhui | 10 | 2010 | WC | 0 | 8 | 4 |
| Graeme Dott | 13 | 2010 | WC | 1 | 8 | 4 |
| Stephen Maguire | 6 | 2010 | WC | 0 | 8 | 4 |
| Mark Allen | 13 | 2010 | WC | 1 | 8 | 4 |
| Mark Davis | 5 | 2010 | WC | 0 | 8 | 4 |
| Mark Selby | 13 | 2010 | WC | 1 | 8 | 4 |
| Stephen Hendry | 5 | 2010 | WC | 0 | 8 | 4 |
| Ronnie O'Sullivan | 13 | 2010 | WC | 1 | 8 | 4 |
| Mark Williams | 10 | 2010 | WC | 0 | 8 | 4 |
| Neil Robertson | 13 | 2010 | WC | 1 | 8 | 2 |
| Steve Davis | 5 | 2010 | WC | 0 | 8 | 2 |
| Ali Carter | 13 | 2010 | WC | 1 | 8 | 2 |
| Shaun Murphy | 12 | 2010 | WC | 0 | 8 | 2 |
| Graeme Dott | 13 | 2010 | WC | 1 | 8 | 2 |
| Mark Allen | 12 | 2010 | WC | 0 | 8 | 2 |

| | | | | | | |
|-------------------|-----------|------|----|---|---|-----|
| Mark Selby | 13 | 2010 | WC | 1 | 8 | 2 |
| Ronnie O'Sullivan | 11 | 2010 | WC | 0 | 8 | 2 |
| Neil Robertson | 17 | 2010 | WC | 1 | 8 | 1 |
| Ali Carter | 12 | 2010 | WC | 0 | 8 | 1 |
| Graeme Dott | 17 | 2010 | WC | 1 | 8 | 1 |
| Mark Selby | 14 | 2010 | WC | 0 | 8 | 1 |
| Neil Robertson | 18 | 2010 | WC | 1 | 8 | 0.5 |
| Graeme Dott | 13 | 2010 | WC | 0 | 8 | 0.5 |

Data for 2011

| Name | round | year | match | win | H | C |
|-----------------|-----------|------|-------|-----|----|-----|
| Judd Trump | 5 | 2011 | CO | 1 | 16 | 4 |
| Mark Davis | 2 | 2011 | CO | 0 | 16 | 4 |
| Peter Ebdon | 5 | 2011 | CO | 1 | 16 | 4 |
| Neil Robertson | 1 | 2011 | CO | 0 | 16 | 4 |
| Shaun Murphy | 5 | 2011 | CO | 1 | 16 | 4 |
| Li Hang | 4 | 2011 | CO | 0 | 16 | 4 |
| John Higgins | 5 | 2011 | CO | 1 | 16 | 4 |
| Ricky Walden | 2 | 2011 | CO | 0 | 16 | 4 |
| Mark Selby | 5 | 2011 | CO | 1 | 16 | 4 |
| Robert Milkins | 1 | 2011 | CO | 0 | 16 | 4 |
| Ali Carter | 5 | 2011 | CO | 1 | 16 | 4 |
| Marcus Campbell | 3 | 2011 | CO | 0 | 16 | 4 |
| Ding Junhui | 5 | 2011 | CO | 1 | 16 | 4 |
| Stephen Hendry | 2 | 2011 | CO | 0 | 16 | 4 |
| Stephen Lee | 5 | 2011 | CO | 1 | 16 | 4 |
| Ryan Day | 2 | 2011 | CO | 0 | 16 | 4 |
| Judd Trump | 5 | 2011 | CO | 1 | 16 | 2 |
| Peter Ebdon | 1 | 2011 | CO | 0 | 16 | 2 |
| Shaun Murphy | 5 | 2011 | CO | 1 | 16 | 2 |
| John Higgins | 2 | 2011 | CO | 0 | 16 | 2 |
| Mark Selby | 5 | 2011 | CO | 1 | 16 | 2 |
| Ali Carter | 1 | 2011 | CO | 0 | 16 | 2 |
| Ding Junhui | 5 | 2011 | CO | 1 | 16 | 2 |
| Stephen Lee | 2 | 2011 | CO | 0 | 16 | 2 |
| Judd Trump | 6 | 2011 | CO | 1 | 16 | 1 |
| Shaun Murphy | 1 | 2011 | CO | 0 | 16 | 1 |
| Mark Selby | 6 | 2011 | CO | 1 | 16 | 1 |
| Ding Junhui | 3 | 2011 | CO | 0 | 16 | 1 |
| Judd Trump | 10 | 2011 | CO | 1 | 16 | 0.5 |
| Mark Selby | 8 | 2011 | CO | 0 | 16 | 0.5 |
| Mark Selby | 5 | 2011 | SM | 1 | 8 | 4 |
| Jamie Cope | 0 | 2011 | SM | 0 | 8 | 4 |
| Shaun Murphy | 5 | 2011 | SM | 1 | 8 | 4 |
| Mark Allen | 4 | 2011 | SM | 0 | 8 | 4 |
| Mark King | 5 | 2011 | SM | 1 | 8 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|---|-----|
| Fergal O'Brien | 3 | 2011 | SM | 0 | 8 | 4 |
| Anthony Hamilton | 5 | 2011 | SM | 1 | 8 | 4 |
| Ronnie O'Sullivan | 3 | 2011 | SM | 0 | 8 | 4 |
| Mark Williams | 5 | 2011 | SM | 1 | 8 | 4 |
| Robert Milkins | 1 | 2011 | SM | 0 | 8 | 4 |
| Matthew Stevens | 5 | 2011 | SM | 1 | 8 | 4 |
| Martin Gould | 1 | 2011 | SM | 0 | 8 | 4 |
| Neil Robertson | 5 | 2011 | SM | 1 | 8 | 4 |
| Michael Holt | 2 | 2011 | SM | 0 | 8 | 4 |
| John Higgins | 5 | 2011 | SM | 1 | 8 | 4 |
| Stuart Bingham | 2 | 2011 | SM | 0 | 8 | 4 |
| Mark Selby | 5 | 2011 | SM | 1 | 8 | 2 |
| Shaun Murphy | 4 | 2011 | SM | 0 | 8 | 2 |
| Mark King | 5 | 2011 | SM | 1 | 8 | 2 |
| Anthony Hamilton | 2 | 2011 | SM | 0 | 8 | 2 |
| Mark Williams | 5 | 2011 | SM | 1 | 8 | 2 |
| Matthew Stevens | 0 | 2011 | SM | 0 | 8 | 2 |
| Neil Robertson | 5 | 2011 | SM | 1 | 8 | 2 |
| John Higgins | 2 | 2011 | SM | 0 | 8 | 2 |
| Mark Selby | 6 | 2011 | SM | 1 | 8 | 1 |
| Mark King | 0 | 2011 | SM | 0 | 8 | 1 |
| Mark Williams | 6 | 2011 | SM | 1 | 8 | 1 |
| Neil Robertson | 5 | 2011 | SM | 0 | 8 | 1 |
| Mark Selby | 10 | 2011 | SM | 1 | 8 | 0.5 |
| Mark Williams | 9 | 2011 | SM | 0 | 8 | 0.5 |
| Judd Trump | 6 | 2011 | UK | 1 | 8 | 4 |
| Ronnie O'Sullivan | 5 | 2011 | UK | 0 | 8 | 4 |
| Stephen Maguire | 6 | 2011 | UK | 1 | 8 | 4 |
| John Higgins | 4 | 2011 | UK | 0 | 8 | 4 |
| Neil Robertson | 6 | 2011 | UK | 1 | 8 | 4 |
| Graeme Dott | 3 | 2011 | UK | 0 | 8 | 4 |
| Ding Junhui | 6 | 2011 | UK | 1 | 8 | 4 |
| Matthew Stevens | 5 | 2011 | UK | 0 | 8 | 4 |
| Mark Allen | 6 | 2011 | UK | 1 | 8 | 4 |
| Ali Carter | 2 | 2011 | UK | 0 | 8 | 4 |
| Marco Fu | 6 | 2011 | UK | 1 | 8 | 4 |
| Mark Selby | 3 | 2011 | UK | 0 | 8 | 4 |
| Ricky Walden | 6 | 2011 | UK | 1 | 8 | 4 |
| Mark Williams | 3 | 2011 | UK | 0 | 8 | 4 |
| Shaun Murphy | 6 | 2011 | UK | 1 | 8 | 4 |
| Martin Gould | 4 | 2011 | UK | 0 | 8 | 4 |
| Judd Trump | 6 | 2011 | UK | 1 | 8 | 2 |
| Stephen Maguire | 3 | 2011 | UK | 0 | 8 | 2 |
| Neil Robertson | 6 | 2011 | UK | 1 | 8 | 2 |
| Ding Junhui | 2 | 2011 | UK | 0 | 8 | 2 |
| Mark Allen | 6 | 2011 | UK | 1 | 8 | 2 |
| Marco Fu | 5 | 2011 | UK | 0 | 8 | 2 |
| Ricky Walden | 6 | 2011 | UK | 1 | 8 | 2 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Shaun Murphy | 3 | 2011 | UK | 0 | 8 | 2 |
| Judd Trump | 9 | 2011 | UK | 1 | 8 | 1 |
| Neil Robertson | 7 | 2011 | UK | 0 | 8 | 1 |
| Mark Allen | 9 | 2011 | UK | 1 | 8 | 1 |
| Ricky Walden | 7 | 2011 | UK | 0 | 8 | 1 |
| Judd Trump | 10 | 2011 | UK | 1 | 8 | 0.5 |
| Mark Allen | 8 | 2011 | UK | 0 | 8 | 0.5 |
| John Higgins | 4 | 2011 | WO | 1 | 16 | 4 |
| Dave Harold | 1 | 2011 | WO | 0 | 16 | 4 |
| Matthew Stevens | 4 | 2011 | WO | 1 | 16 | 4 |
| Ryan Day | 3 | 2011 | WO | 0 | 16 | 4 |
| Ali Carter | 4 | 2011 | WO | 1 | 16 | 4 |
| Peter Ebdon | 1 | 2011 | WO | 0 | 16 | 4 |
| Ding Junhui | 4 | 2011 | WO | 1 | 16 | 4 |
| Mark Allen | 3 | 2011 | WO | 0 | 16 | 4 |
| Stephen Maguire | 4 | 2011 | WO | 1 | 16 | 4 |
| Stephen Hendry | 2 | 2011 | WO | 0 | 16 | 4 |
| Mark Williams | 4 | 2011 | WO | 1 | 16 | 4 |
| Jamie Cope | 0 | 2011 | WO | 0 | 16 | 4 |
| Mark Selby | 4 | 2011 | WO | 1 | 16 | 4 |
| Mark King | 2 | 2011 | WO | 0 | 16 | 4 |
| Graeme Dott | 4 | 2011 | WO | 1 | 16 | 4 |
| Neil Robertson | 1 | 2011 | WO | 0 | 16 | 4 |
| John Higgins | 5 | 2011 | WO | 1 | 16 | 2 |
| Matthew Stevens | 3 | 2011 | WO | 0 | 16 | 2 |
| Ali Carter | 5 | 2011 | WO | 1 | 16 | 2 |
| Ding Junhui | 2 | 2011 | WO | 0 | 16 | 2 |
| Stephen Maguire | 5 | 2011 | WO | 1 | 16 | 2 |
| Mark Williams | 3 | 2011 | WO | 0 | 16 | 2 |
| Mark Selby | 5 | 2011 | WO | 1 | 16 | 2 |
| Graeme Dott | 3 | 2011 | WO | 0 | 16 | 2 |
| John Higgins | 6 | 2011 | WO | 1 | 16 | 1 |
| Ali Carter | 2 | 2011 | WO | 0 | 16 | 1 |
| Stephen Maguire | 6 | 2011 | WO | 1 | 16 | 1 |
| Mark Selby | 5 | 2011 | WO | 0 | 16 | 1 |
| John Higgins | 9 | 2011 | WO | 1 | 16 | 0.5 |
| Stephen Maguire | 6 | 2011 | WO | 0 | 16 | 0.5 |
| John Higgins | 13 | 2011 | WC | 1 | 8 | 4 |
| Rory McLeod | 7 | 2011 | WC | 0 | 8 | 4 |
| Ronnie O'Sullivan | 13 | 2011 | WC | 1 | 8 | 4 |
| Shaun Murphy | 10 | 2011 | WC | 0 | 8 | 4 |
| Mark Williams | 13 | 2011 | WC | 1 | 8 | 4 |
| Jamie Cope | 4 | 2011 | WC | 0 | 8 | 4 |
| Mark Allen | 13 | 2011 | WC | 1 | 8 | 4 |
| Barry Hawkins | 12 | 2011 | WC | 0 | 8 | 4 |
| Judd Trump | 13 | 2011 | WC | 1 | 8 | 4 |
| Martin Gould | 6 | 2011 | WC | 0 | 8 | 4 |
| Graeme Dott | 13 | 2011 | WC | 1 | 8 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|---|-----|
| Ali Carter | 11 | 2011 | WC | 0 | 8 | 4 |
| Ding Junhui | 13 | 2011 | WC | 1 | 8 | 4 |
| Stuart Bingham | 12 | 2011 | WC | 0 | 8 | 4 |
| Mark Selby | 13 | 2011 | WC | 1 | 8 | 4 |
| Stephen Hendry | 4 | 2011 | WC | 0 | 8 | 4 |
| John Higgins | 13 | 2011 | WC | 1 | 8 | 2 |
| Ronnie O'Sullivan | 10 | 2011 | WC | 0 | 8 | 2 |
| Mark Williams | 13 | 2011 | WC | 1 | 8 | 2 |
| Mark Allen | 5 | 2011 | WC | 0 | 8 | 2 |
| Judd Trump | 13 | 2011 | WC | 1 | 8 | 2 |
| Graeme Dott | 5 | 2011 | WC | 0 | 8 | 2 |
| Ding Junhui | 13 | 2011 | WC | 1 | 8 | 2 |
| Mark Selby | 10 | 2011 | WC | 0 | 8 | 2 |
| John Higgins | 17 | 2011 | WC | 1 | 8 | 1 |
| Mark Williams | 14 | 2011 | WC | 0 | 8 | 1 |
| Judd Trump | 17 | 2011 | WC | 1 | 8 | 1 |
| Ding Junhui | 15 | 2011 | WC | 0 | 8 | 1 |
| John Higgins | 18 | 2011 | WC | 1 | 8 | 0.5 |
| Judd Trump | 15 | 2011 | WC | 0 | 8 | 0.5 |

Data for 2012

| Name | round | year | match | win | H | C |
|-------------------|----------|------|-------|-----|----|---|
| Peter Ebdon | 5 | 2012 | CO | 1 | 16 | 4 |
| John Higgins | 4 | 2012 | CO | 0 | 16 | 4 |
| Neil Robertson | 5 | 2012 | CO | 1 | 16 | 4 |
| Stephen Hendry | 3 | 2012 | CO | 0 | 16 | 4 |
| Ding Junhui | 0 | 2012 | CO | 1 | 16 | 4 |
| Mark Selby | 0 | 2012 | CO | 0 | 16 | 4 |
| Ali Carter | 5 | 2012 | CO | 1 | 16 | 4 |
| Lu Ning | 1 | 2012 | CO | 0 | 16 | 4 |
| Stephen Lee | 5 | 2012 | CO | 1 | 16 | 4 |
| Graeme Dott | 3 | 2012 | CO | 0 | 16 | 4 |
| Judd Trump | 5 | 2012 | CO | 1 | 16 | 4 |
| Stuart Bingham | 3 | 2012 | CO | 0 | 16 | 4 |
| Stephen Maguire | 5 | 2012 | CO | 1 | 16 | 4 |
| Ricky Walden | 4 | 2012 | CO | 0 | 16 | 4 |
| Ronnie O'Sullivan | 5 | 2012 | CO | 1 | 16 | 4 |
| Mark Williams | 1 | 2012 | CO | 0 | 16 | 4 |
| Peter Ebdon | 5 | 2012 | CO | 1 | 16 | 2 |
| Neil Robertson | 3 | 2012 | CO | 0 | 16 | 2 |
| Ding Junhui | 5 | 2012 | CO | 1 | 16 | 2 |
| Ali Carter | 2 | 2012 | CO | 0 | 16 | 2 |
| Stephen Lee | 5 | 2012 | CO | 1 | 16 | 2 |
| Judd Trump | 3 | 2012 | CO | 0 | 16 | 2 |
| Stephen Maguire | 5 | 2012 | CO | 1 | 16 | 2 |
| Ronnie O'Sullivan | 4 | 2012 | CO | 0 | 16 | 2 |

| | | | | | | |
|-----------------|-----------|------|----|---|----|-----|
| Peter Ebdon | 6 | 2012 | CO | 1 | 16 | 1 |
| Ding Junhui | 3 | 2012 | CO | 0 | 16 | 1 |
| Stephen Maguire | 6 | 2012 | CO | 1 | 16 | 1 |
| Stephen Lee | 2 | 2012 | CO | 0 | 16 | 1 |
| Peter Ebdon | 10 | 2012 | CO | 1 | 16 | 0.5 |
| Stephen Maguire | 9 | 2012 | CO | 0 | 16 | 0.5 |
| John Higgins | 5 | 2012 | SM | 1 | 8 | 4 |
| Ryan Day | 0 | 2012 | SM | 0 | 8 | 4 |
| Ali Carter | 5 | 2012 | SM | 1 | 8 | 4 |
| Stephen Maguire | 0 | 2012 | SM | 0 | 8 | 4 |
| Shaun Murphy | 5 | 2012 | SM | 1 | 8 | 4 |
| Mark King | 3 | 2012 | SM | 0 | 8 | 4 |
| Stuart Bingham | 5 | 2012 | SM | 1 | 8 | 4 |
| Jamie Cope | 1 | 2012 | SM | 0 | 8 | 4 |
| Judd Trump | 5 | 2012 | SM | 1 | 8 | 4 |
| Mark Allen | 2 | 2012 | SM | 0 | 8 | 4 |
| Graeme Dott | 5 | 2012 | SM | 1 | 8 | 4 |
| Stephen Lee | 1 | 2012 | SM | 0 | 8 | 4 |
| Mark Williams | 5 | 2012 | SM | 1 | 8 | 4 |
| Ricky Walden | 2 | 2012 | SM | 0 | 8 | 4 |
| Joe Perry | 5 | 2012 | SM | 1 | 8 | 4 |
| Neil Robertson | 0 | 2012 | SM | 0 | 8 | 4 |
| John Higgins | 5 | 2012 | SM | 1 | 8 | 2 |
| Ali Carter | 3 | 2012 | SM | 0 | 8 | 2 |
| Shaun Murphy | 5 | 2012 | SM | 1 | 8 | 2 |
| Stuart Bingham | 1 | 2012 | SM | 0 | 8 | 2 |
| Judd Trump | 5 | 2012 | SM | 1 | 8 | 2 |
| Graeme Dott | 4 | 2012 | SM | 0 | 8 | 2 |
| Mark Williams | 5 | 2012 | SM | 1 | 8 | 2 |
| Joe Perry | 4 | 2012 | SM | 0 | 8 | 2 |
| John Higgins | 6 | 2012 | SM | 1 | 8 | 1 |
| Shaun Murphy | 3 | 2012 | SM | 0 | 8 | 1 |
| Judd Trump | 6 | 2012 | SM | 1 | 8 | 1 |
| Mark Williams | 4 | 2012 | SM | 0 | 8 | 1 |
| John Higgins | 10 | 2012 | SM | 1 | 8 | 0.5 |
| Judd Trump | 9 | 2012 | SM | 0 | 8 | 0.5 |
| Mark Selby | 6 | 2012 | UK | 1 | 8 | 4 |
| Ryan Day | 4 | 2012 | UK | 0 | 8 | 4 |
| Neil Robertson | 6 | 2012 | UK | 1 | 8 | 4 |
| Barry Hawkins | 2 | 2012 | UK | 0 | 8 | 4 |
| Mark Davis | 6 | 2012 | UK | 1 | 8 | 4 |
| John Higgins | 5 | 2012 | UK | 0 | 8 | 4 |
| Matthew Stevens | 6 | 2012 | UK | 1 | 8 | 4 |
| Marco Fu | 4 | 2012 | UK | 0 | 8 | 4 |
| Shaun Murphy | 6 | 2012 | UK | 1 | 8 | 4 |
| Graeme Dott | 2 | 2012 | UK | 0 | 8 | 4 |
| Luca Brecel | 6 | 2012 | UK | 1 | 8 | 4 |
| Mark King | 4 | 2012 | UK | 0 | 8 | 4 |

| | | | | | | |
|-------------------|----|------|----|---|----|-----|
| Ali Carter | 6 | 2012 | UK | 1 | 8 | 4 |
| Mark Joyce | 2 | 2012 | UK | 0 | 8 | 4 |
| Stuart Bingham | 6 | 2012 | UK | 1 | 8 | 4 |
| Stephen Maguire | 4 | 2012 | UK | 0 | 8 | 4 |
| Mark Selby | 6 | 2012 | UK | 1 | 8 | 2 |
| Neil Robertson | 4 | 2012 | UK | 0 | 8 | 2 |
| Mark Davis | 6 | 2012 | UK | 1 | 8 | 2 |
| Matthew Stevens | 4 | 2012 | UK | 0 | 8 | 2 |
| Shaun Murphy | 6 | 2012 | UK | 1 | 8 | 2 |
| Luca Brecel | 5 | 2012 | UK | 0 | 8 | 2 |
| Ali Carter | 6 | 2012 | UK | 1 | 8 | 2 |
| Stuart Bingham | 4 | 2012 | UK | 0 | 8 | 2 |
| Mark Selby | 9 | 2012 | UK | 1 | 8 | 1 |
| Mark Davis | 4 | 2012 | UK | 0 | 8 | 1 |
| Shaun Murphy | 9 | 2012 | UK | 1 | 8 | 1 |
| Ali Carter | 8 | 2012 | UK | 0 | 8 | 1 |
| Mark Selby | 10 | 2012 | UK | 1 | 8 | 0.5 |
| Shaun Murphy | 6 | 2012 | UK | 0 | 8 | 0.5 |
| Ding Junhui | 4 | 2012 | WO | 1 | 16 | 4 |
| John Higgins | 3 | 2012 | WO | 0 | 16 | 4 |
| Stephen Lee | 4 | 2012 | WO | 1 | 16 | 4 |
| Tom Ford | 1 | 2012 | WO | 0 | 16 | 4 |
| Shaun Murphy | 4 | 2012 | WO | 1 | 16 | 4 |
| Steve Davis | 0 | 2012 | WO | 0 | 16 | 4 |
| Mark Allen | 4 | 2012 | WO | 1 | 16 | 4 |
| Stephen Hendry | 0 | 2012 | WO | 0 | 16 | 4 |
| Mark Selby | 4 | 2012 | WO | 1 | 16 | 4 |
| Martin Gould | 1 | 2012 | WO | 0 | 16 | 4 |
| Stephen Maguire | 4 | 2012 | WO | 1 | 16 | 4 |
| Matthew Stevens | 2 | 2012 | WO | 0 | 16 | 4 |
| Ronnie O'Sullivan | 4 | 2012 | WO | 1 | 16 | 4 |
| Mark Williams | 1 | 2012 | WO | 0 | 16 | 4 |
| Judd Trump | 4 | 2012 | WO | 1 | 16 | 4 |
| Stuart Bingham | 1 | 2012 | WO | 0 | 16 | 4 |
| Ding Junhui | 5 | 2012 | WO | 1 | 16 | 2 |
| Stephen Lee | 4 | 2012 | WO | 0 | 16 | 2 |
| Shaun Murphy | 5 | 2012 | WO | 1 | 16 | 2 |
| Mark Allen | 4 | 2012 | WO | 0 | 16 | 2 |
| Mark Selby | 5 | 2012 | WO | 1 | 16 | 2 |
| Stephen Maguire | 3 | 2012 | WO | 0 | 16 | 2 |
| Ronnie O'Sullivan | 5 | 2012 | WO | 1 | 16 | 2 |
| Judd Trump | 3 | 2012 | WO | 0 | 16 | 2 |
| Ding Junhui | 6 | 2012 | WO | 1 | 16 | 1 |
| Shaun Murphy | 2 | 2012 | WO | 0 | 16 | 1 |
| Mark Selby | 6 | 2012 | WO | 1 | 16 | 1 |
| Ronnie O'Sullivan | 2 | 2012 | WO | 0 | 16 | 1 |
| Ding Junhui | 9 | 2012 | WO | 1 | 16 | 0.5 |
| Mark Selby | 6 | 2012 | WO | 0 | 16 | 0.5 |

| | | | | | | |
|-------------------|-----------|------|----|---|---|-----|
| Ronnie O'Sullivan | 13 | 2012 | WC | 1 | 8 | 4 |
| Mark Williams | 6 | 2012 | WC | 0 | 8 | 4 |
| Neil Robertson | 13 | 2012 | WC | 1 | 8 | 4 |
| David Gilbert | 9 | 2012 | WC | 0 | 8 | 4 |
| Matthew Stevens | 13 | 2012 | WC | 1 | 8 | 4 |
| Barry Hawkins | 11 | 2012 | WC | 0 | 8 | 4 |
| Ryan Day | 13 | 2012 | WC | 1 | 8 | 4 |
| Cao Yupeng | 7 | 2012 | WC | 0 | 8 | 4 |
| Ali Carter | 13 | 2012 | WC | 1 | 8 | 4 |
| Judd Trump | 12 | 2012 | WC | 0 | 8 | 4 |
| Jamie Jones | 13 | 2012 | WC | 1 | 8 | 4 |
| Andrew Higginson | 10 | 2012 | WC | 0 | 8 | 4 |
| Stephen Maguire | 13 | 2012 | WC | 1 | 8 | 4 |
| Joe Perry | 7 | 2012 | WC | 0 | 8 | 4 |
| Stephen Hendry | 13 | 2012 | WC | 1 | 8 | 4 |
| John Higgins | 4 | 2012 | WC | 0 | 8 | 4 |
| Ronnie O'Sullivan | 13 | 2012 | WC | 1 | 8 | 2 |
| Neil Robertson | 10 | 2012 | WC | 0 | 8 | 2 |
| Matthew Stevens | 13 | 2012 | WC | 1 | 8 | 2 |
| Ryan Day | 5 | 2012 | WC | 0 | 8 | 2 |
| Ali Carter | 13 | 2012 | WC | 1 | 8 | 2 |
| Jamie Jones | 11 | 2012 | WC | 0 | 8 | 2 |
| Stephen Maguire | 13 | 2012 | WC | 1 | 8 | 2 |
| Stephen Hendry | 2 | 2012 | WC | 0 | 8 | 2 |
| Ronnie O'Sullivan | 17 | 2012 | WC | 1 | 8 | 1 |
| Matthew Stevens | 10 | 2012 | WC | 0 | 8 | 1 |
| Ali Carter | 17 | 2012 | WC | 1 | 8 | 1 |
| Stephen Maguire | 12 | 2012 | WC | 0 | 8 | 1 |
| Ronnie O'Sullivan | 18 | 2012 | WC | 1 | 8 | 0.5 |
| Ali Carter | 11 | 2012 | WC | 0 | 8 | 0.5 |

Data for 2013

| Name | round | year | match | win | H | C |
|-----------------|----------|------|-------|-----|----|---|
| Mark Williams | 5 | 2013 | CO | 1 | 16 | 4 |
| Ali Carter | 4 | 2013 | CO | 0 | 16 | 4 |
| Mark Selby | 5 | 2013 | CO | 1 | 16 | 4 |
| Ricky Walden | 2 | 2013 | CO | 0 | 16 | 4 |
| Neil Robertson | 5 | 2013 | CO | 1 | 16 | 4 |
| Mark Allen | 1 | 2013 | CO | 0 | 16 | 4 |
| Shaun Murphy | 5 | 2013 | CO | 1 | 16 | 4 |
| Rory McLeod | 3 | 2013 | CO | 0 | 16 | 4 |
| Stephen Maguire | 5 | 2013 | CO | 1 | 16 | 4 |
| Barry Hawkins | 1 | 2013 | CO | 0 | 16 | 4 |
| Jack Lisowski | 5 | 2013 | CO | 1 | 16 | 4 |
| Mark Davis | 4 | 2013 | CO | 0 | 16 | 4 |
| Marcus Campbell | 5 | 2013 | CO | 1 | 16 | 4 |

| | | | | | | |
|-----------------|-----------|------|----|---|----|-----|
| Graeme Dott | 4 | 2013 | CO | 0 | 16 | 4 |
| Stuart Bingham | 5 | 2013 | CO | 1 | 16 | 4 |
| Robert Milkins | 3 | 2013 | CO | 0 | 16 | 4 |
| Mark Selby | 5 | 2013 | CO | 1 | 16 | 2 |
| Mark Williams | 1 | 2013 | CO | 0 | 16 | 2 |
| Neil Robertson | 5 | 2013 | CO | 1 | 16 | 2 |
| Marcus Campbell | 2 | 2013 | CO | 0 | 16 | 2 |
| Shaun Murphy | 5 | 2013 | CO | 1 | 16 | 2 |
| Jack Lisowski | 4 | 2013 | CO | 0 | 16 | 2 |
| Stephen Maguire | 5 | 2013 | CO | 1 | 16 | 2 |
| Stuart Bingham | 1 | 2013 | CO | 0 | 16 | 2 |
| Mark Selby | 6 | 2013 | CO | 1 | 16 | 1 |
| Shaun Murphy | 2 | 2013 | CO | 0 | 16 | 1 |
| Neil Robertson | 6 | 2013 | CO | 1 | 16 | 1 |
| Stephen Maguire | 5 | 2013 | CO | 0 | 16 | 1 |
| Neil Robertson | 10 | 2013 | CO | 1 | 16 | 0.5 |
| Mark Selby | 6 | 2013 | CO | 0 | 16 | 0.5 |
| Kyren Wilson | 5 | 2013 | SM | 1 | 8 | 4 |
| Marco Fu | 3 | 2013 | SM | 0 | 8 | 4 |
| Mark Selby | 5 | 2013 | SM | 1 | 8 | 4 |
| Robert Milkins | 4 | 2013 | SM | 0 | 8 | 4 |
| Neil Robertson | 5 | 2013 | SM | 1 | 8 | 4 |
| Mark King | 3 | 2013 | SM | 0 | 8 | 4 |
| Ding Junhui | 5 | 2013 | SM | 1 | 8 | 4 |
| Shaun Murphy | 4 | 2013 | SM | 0 | 8 | 4 |
| Michael Holt | 5 | 2013 | SM | 1 | 8 | 4 |
| Martin Gould | 4 | 2013 | SM | 0 | 8 | 4 |
| Barry Hawkins | 5 | 2013 | SM | 1 | 8 | 4 |
| Ryan Day | 2 | 2013 | SM | 0 | 8 | 4 |
| Xiao Guodong | 5 | 2013 | SM | 1 | 8 | 4 |
| Peter Lines | 3 | 2013 | SM | 0 | 8 | 4 |
| Mark Davis | 5 | 2013 | SM | 1 | 8 | 4 |
| John Higgins | 1 | 2013 | SM | 0 | 8 | 4 |
| Ding Junhui | 5 | 2013 | SM | 1 | 8 | 2 |
| Neil Robertson | 2 | 2013 | SM | 0 | 8 | 2 |
| Michael Holt | 5 | 2013 | SM | 1 | 8 | 2 |
| Kyren Wilson | 1 | 2013 | SM | 0 | 8 | 2 |
| Barry Hawkins | 5 | 2013 | SM | 1 | 8 | 2 |
| Mark Selby | 4 | 2013 | SM | 0 | 8 | 2 |
| Xiao Guodong | 5 | 2013 | SM | 1 | 8 | 2 |
| Mark Davis | 4 | 2013 | SM | 0 | 8 | 2 |
| Ding Junhui | 6 | 2013 | SM | 1 | 8 | 1 |
| Barry Hawkins | 2 | 2013 | SM | 0 | 8 | 1 |
| Xiao Guodong | 6 | 2013 | SM | 1 | 8 | 1 |
| Michael Holt | 3 | 2013 | SM | 0 | 8 | 1 |
| Ding Junhui | 10 | 2013 | SM | 1 | 8 | 0.5 |
| Xiao Guodong | 6 | 2013 | SM | 0 | 8 | 0.5 |
| Ricky Walden | 6 | 2013 | UK | 1 | 8 | 4 |

| | | | | | | |
|-------------------|----|------|----|---|----|-----|
| Ding Junhui | 4 | 2013 | UK | 0 | 8 | 4 |
| Mark Selby | 6 | 2013 | UK | 1 | 8 | 4 |
| Graeme Dott | 2 | 2013 | UK | 0 | 8 | 4 |
| Neil Robertson | 6 | 2013 | UK | 1 | 8 | 4 |
| Joe Perry | 1 | 2013 | UK | 0 | 8 | 4 |
| Ronnie O'Sullivan | 6 | 2013 | UK | 1 | 8 | 4 |
| Robert Milkins | 0 | 2013 | UK | 0 | 8 | 4 |
| Stephen Maguire | 6 | 2013 | UK | 1 | 8 | 4 |
| John Higgins | 3 | 2013 | UK | 0 | 8 | 4 |
| Barry Hawkins | 6 | 2013 | UK | 1 | 8 | 4 |
| Shaun Murphy | 5 | 2013 | UK | 0 | 8 | 4 |
| Stuart Bingham | 6 | 2013 | UK | 1 | 8 | 4 |
| David Morris | 1 | 2013 | UK | 0 | 8 | 4 |
| Mark Allen | 6 | 2013 | UK | 1 | 8 | 4 |
| Judd Trump | 4 | 2013 | UK | 0 | 8 | 4 |
| Ricky Walden | 6 | 2013 | UK | 1 | 8 | 2 |
| Mark Allen | 2 | 2013 | UK | 0 | 8 | 2 |
| Mark Selby | 6 | 2013 | UK | 1 | 8 | 2 |
| Barry Hawkins | 5 | 2013 | UK | 0 | 8 | 2 |
| Neil Robertson | 6 | 2013 | UK | 1 | 8 | 2 |
| Stephen Maguire | 2 | 2013 | UK | 0 | 8 | 2 |
| Stuart Bingham | 6 | 2013 | UK | 1 | 8 | 2 |
| Ronnie O'Sullivan | 4 | 2013 | UK | 0 | 8 | 2 |
| Mark Selby | 9 | 2013 | UK | 1 | 8 | 1 |
| Ricky Walden | 5 | 2013 | UK | 0 | 8 | 1 |
| Neil Robertson | 9 | 2013 | UK | 1 | 8 | 1 |
| Stuart Bingham | 8 | 2013 | UK | 0 | 8 | 1 |
| Neil Robertson | 10 | 2013 | UK | 1 | 8 | 0.5 |
| Mark Selby | 7 | 2013 | UK | 0 | 8 | 0.5 |
| Judd Trump | 4 | 2013 | WO | 1 | 16 | 4 |
| Andrew Higginson | 1 | 2013 | WO | 0 | 16 | 4 |
| Robert Milkins | 4 | 2013 | WO | 1 | 16 | 4 |
| Sam Baird | 2 | 2013 | WO | 0 | 16 | 4 |
| Alan McManus | 4 | 2013 | WO | 1 | 16 | 4 |
| Joe Perry | 3 | 2013 | WO | 0 | 16 | 4 |
| Stephen Maguire | 4 | 2013 | WO | 1 | 16 | 4 |
| Matthew Stevens | 2 | 2013 | WO | 0 | 16 | 4 |
| Ding Junhui | 4 | 2013 | WO | 1 | 16 | 4 |
| Mark Allen | 2 | 2013 | WO | 0 | 16 | 4 |
| Ken Doherty | 4 | 2013 | WO | 1 | 16 | 4 |
| Tom Ford | 3 | 2013 | WO | 0 | 16 | 4 |
| Stuart Bingham | 4 | 2013 | WO | 1 | 16 | 4 |
| Neil Robertson | 3 | 2013 | WO | 0 | 16 | 4 |
| Pankaj Advani | 4 | 2013 | WO | 1 | 16 | 4 |
| Graeme Dott | 1 | 2013 | WO | 0 | 16 | 4 |
| Judd Trump | 5 | 2013 | WO | 1 | 16 | 2 |
| Pankaj Advani | 2 | 2013 | WO | 0 | 16 | 2 |
| Stephen Maguire | 5 | 2013 | WO | 1 | 16 | 2 |

| | | | | | | |
|--------------------|-----------|------|----|---|----|-----|
| Alan McManus | 3 | 2013 | WO | 0 | 16 | 2 |
| Ding Junhui | 5 | 2013 | WO | 1 | 16 | 2 |
| Robert Milkins | 1 | 2013 | WO | 0 | 16 | 2 |
| Stuart Bingham | 5 | 2013 | WO | 1 | 16 | 2 |
| Ken Doherty | 3 | 2013 | WO | 0 | 16 | 2 |
| Stephen Maguire | 6 | 2013 | WO | 1 | 16 | 1 |
| Judd Trump | 4 | 2013 | WO | 0 | 16 | 1 |
| Stuart Bingham | 6 | 2013 | WO | 1 | 16 | 1 |
| Ding Junhui | 5 | 2013 | WO | 0 | 16 | 1 |
| Stephen Maguire | 9 | 2013 | WO | 1 | 16 | 0.5 |
| Stuart Bingham | 8 | 2013 | WO | 0 | 16 | 0.5 |
| Michael White | 13 | 2013 | WC | 1 | 8 | 4 |
| Dechawat Poomjaeng | 3 | 2013 | WC | 0 | 8 | 4 |
| Ricky Walden | 13 | 2013 | WC | 1 | 8 | 4 |
| Robert Milkins | 11 | 2013 | WC | 0 | 8 | 4 |
| Judd Trump | 13 | 2013 | WC | 1 | 8 | 4 |
| Marco Fu | 7 | 2013 | WC | 0 | 8 | 4 |
| Ronnie O'Sullivan | 13 | 2013 | WC | 1 | 8 | 4 |
| Ali Carter | 8 | 2013 | WC | 0 | 8 | 4 |
| Shaun Murphy | 13 | 2013 | WC | 1 | 8 | 4 |
| Graeme Dott | 11 | 2013 | WC | 0 | 8 | 4 |
| Ding Junhui | 13 | 2013 | WC | 1 | 8 | 4 |
| Mark King | 9 | 2013 | WC | 0 | 8 | 4 |
| Barry Hawkins | 13 | 2013 | WC | 1 | 8 | 4 |
| Mark Selby | 10 | 2013 | WC | 0 | 8 | 4 |
| Stuart Bingham | 13 | 2013 | WC | 1 | 8 | 4 |
| Mark Davis | 10 | 2013 | WC | 0 | 8 | 4 |
| Ricky Walden | 13 | 2013 | WC | 1 | 8 | 2 |
| Michael White | 6 | 2013 | WC | 0 | 8 | 2 |
| Judd Trump | 13 | 2013 | WC | 1 | 8 | 2 |
| Shaun Murphy | 12 | 2013 | WC | 0 | 8 | 2 |
| Ronnie O'Sullivan | 13 | 2013 | WC | 1 | 8 | 2 |
| Stuart Bingham | 4 | 2013 | WC | 0 | 8 | 2 |
| Barry Hawkins | 13 | 2013 | WC | 1 | 8 | 2 |
| Ding Junhui | 7 | 2013 | WC | 0 | 8 | 2 |
| Ronnie O'Sullivan | 17 | 2013 | WC | 1 | 8 | 1 |
| Judd Trump | 11 | 2013 | WC | 0 | 8 | 1 |
| Barry Hawkins | 17 | 2013 | WC | 1 | 8 | 1 |
| Ricky Walden | 14 | 2013 | WC | 0 | 8 | 1 |
| Ronnie O'Sullivan | 18 | 2013 | WC | 1 | 8 | 0.5 |
| Barry Hawkins | 12 | 2013 | WC | 0 | 8 | 0.5 |

Data for 2014

| Name | round | year | match | win | H | C |
|--------------|----------|------|-------|-----|----|---|
| Ricky Walden | 5 | 2014 | CO | 1 | 16 | 4 |
| Shaun Murphy | 3 | 2014 | CO | 0 | 16 | 4 |

| | | | | | | |
|-----------------|-----------|------|----|---|----|-----|
| Mark Selby | 5 | 2014 | CO | 1 | 16 | 4 |
| Jimmy White | 1 | 2014 | CO | 0 | 16 | 4 |
| Neil Robertson | 5 | 2014 | CO | 1 | 16 | 4 |
| Yu Delu | 4 | 2014 | CO | 0 | 16 | 4 |
| Mark King | 5 | 2014 | CO | 1 | 16 | 4 |
| Jamie O'Neill | 3 | 2014 | CO | 0 | 16 | 4 |
| Ding Junhui | 5 | 2014 | CO | 1 | 16 | 4 |
| John Higgins | 2 | 2014 | CO | 0 | 16 | 4 |
| Mike Dunn | 5 | 2014 | CO | 1 | 16 | 4 |
| Craig Steadman | 3 | 2014 | CO | 0 | 16 | 4 |
| Graeme Dott | 5 | 2014 | CO | 1 | 16 | 4 |
| Luca Brecel | 2 | 2014 | CO | 0 | 16 | 4 |
| Ali Carter | 5 | 2014 | CO | 1 | 16 | 4 |
| Peter Ebdon | 3 | 2014 | CO | 0 | 16 | 4 |
| Neil Robertson | 5 | 2014 | CO | 1 | 16 | 2 |
| Graeme Dott | 3 | 2014 | CO | 0 | 16 | 2 |
| Ding Junhui | 5 | 2014 | CO | 1 | 16 | 2 |
| Mark King | 2 | 2014 | CO | 0 | 16 | 2 |
| Mike Dunn | 5 | 2014 | CO | 1 | 16 | 2 |
| Mark Selby | 3 | 2014 | CO | 0 | 16 | 2 |
| Ali Carter | 5 | 2014 | CO | 1 | 16 | 2 |
| Ricky Walden | 3 | 2014 | CO | 0 | 16 | 2 |
| Neil Robertson | 6 | 2014 | CO | 1 | 16 | 1 |
| Ali Carter | 2 | 2014 | CO | 0 | 16 | 1 |
| Ding Junhui | 6 | 2014 | CO | 1 | 16 | 1 |
| Mike Dunn | 0 | 2014 | CO | 0 | 16 | 1 |
| Ding Junhui | 10 | 2014 | CO | 1 | 16 | 0.5 |
| Neil Robertson | 5 | 2014 | CO | 0 | 16 | 0.5 |
| Michael White | 5 | 2014 | SM | 1 | 8 | 4 |
| Ryan Day | 2 | 2014 | SM | 0 | 8 | 4 |
| Mark Selby | 5 | 2014 | SM | 1 | 8 | 4 |
| Michael Holt | 3 | 2014 | SM | 0 | 8 | 4 |
| Fergal O'Brien | 5 | 2014 | SM | 1 | 8 | 4 |
| Zhao Xintong | 3 | 2014 | SM | 0 | 8 | 4 |
| Alan McManus | 5 | 2014 | SM | 1 | 8 | 4 |
| Stephen Maguire | 1 | 2014 | SM | 0 | 8 | 4 |
| Ding Junhui | 5 | 2014 | SM | 1 | 8 | 4 |
| Martin Gould | 3 | 2014 | SM | 0 | 8 | 4 |
| Graeme Dott | 5 | 2014 | SM | 1 | 8 | 4 |
| Shaun Murphy | 3 | 2014 | SM | 0 | 8 | 4 |
| Stuart Bingham | 5 | 2014 | SM | 1 | 8 | 4 |
| Dominic Dale | 1 | 2014 | SM | 0 | 8 | 4 |
| Mark Allen | 5 | 2014 | SM | 1 | 8 | 4 |
| Mark Williams | 1 | 2014 | SM | 0 | 8 | 4 |
| Mark Selby | 5 | 2014 | SM | 1 | 8 | 2 |
| Fergal O'Brien | 0 | 2014 | SM | 0 | 8 | 2 |
| Ding Junhui | 5 | 2014 | SM | 1 | 8 | 2 |
| Graeme Dott | 2 | 2014 | SM | 0 | 8 | 2 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Stuart Bingham | 5 | 2014 | SM | 1 | 8 | 2 |
| Alan McManus | 1 | 2014 | SM | 0 | 8 | 2 |
| Mark Allen | 5 | 2014 | SM | 1 | 8 | 2 |
| Michael White | 4 | 2014 | SM | 0 | 8 | 2 |
| Stuart Bingham | 6 | 2014 | SM | 1 | 8 | 1 |
| Ding Junhui | 4 | 2014 | SM | 0 | 8 | 1 |
| Mark Allen | 6 | 2014 | SM | 1 | 8 | 1 |
| Mark Selby | 5 | 2014 | SM | 0 | 8 | 1 |
| Stuart Bingham | 10 | 2014 | SM | 1 | 8 | 0.5 |
| Mark Allen | 3 | 2014 | SM | 0 | 8 | 0.5 |
| Judd Trump | 6 | 2014 | UK | 1 | 8 | 4 |
| Rod Lawler | 3 | 2014 | UK | 0 | 8 | 4 |
| Ronnie O'Sullivan | 6 | 2014 | UK | 1 | 8 | 4 |
| Matthew Selt | 0 | 2014 | UK | 0 | 8 | 4 |
| Anthony McGill | 6 | 2014 | UK | 1 | 8 | 4 |
| John Higgins | 5 | 2014 | UK | 0 | 8 | 4 |
| Stephen Maguire | 6 | 2014 | UK | 1 | 8 | 4 |
| David Morris | 3 | 2014 | UK | 0 | 8 | 4 |
| Marco Fu | 6 | 2014 | UK | 1 | 8 | 4 |
| Shaun Murphy | 5 | 2014 | UK | 0 | 8 | 4 |
| Graeme Dott | 6 | 2014 | UK | 1 | 8 | 4 |
| Neil Robertson | 5 | 2014 | UK | 0 | 8 | 4 |
| Mark Davis | 6 | 2014 | UK | 1 | 8 | 4 |
| James Cahill | 2 | 2014 | UK | 0 | 8 | 4 |
| Stuart Bingham | 6 | 2014 | UK | 1 | 8 | 4 |
| Ricky Walden | 0 | 2014 | UK | 0 | 8 | 4 |
| Judd Trump | 6 | 2014 | UK | 1 | 8 | 2 |
| Mark Davis | 1 | 2014 | UK | 0 | 8 | 2 |
| Ronnie O'Sullivan | 6 | 2014 | UK | 1 | 8 | 2 |
| Anthony McGill | 4 | 2014 | UK | 0 | 8 | 2 |
| Stephen Maguire | 6 | 2014 | UK | 1 | 8 | 2 |
| Marco Fu | 4 | 2014 | UK | 0 | 8 | 2 |
| Stuart Bingham | 6 | 2014 | UK | 1 | 8 | 2 |
| Graeme Dott | 5 | 2014 | UK | 0 | 8 | 2 |
| Judd Trump | 6 | 2014 | UK | 1 | 8 | 1 |
| Stephen Maguire | 4 | 2014 | UK | 0 | 8 | 1 |
| Ronnie O'Sullivan | 6 | 2014 | UK | 1 | 8 | 1 |
| Stuart Bingham | 5 | 2014 | UK | 0 | 8 | 1 |
| Ronnie O'Sullivan | 10 | 2014 | UK | 1 | 8 | 0.5 |
| Judd Trump | 9 | 2014 | UK | 0 | 8 | 0.5 |
| Joel Walker | 4 | 2014 | WO | 1 | 16 | 4 |
| Stephen Maguire | 3 | 2014 | WO | 0 | 16 | 4 |
| Mark Selby | 4 | 2014 | WO | 1 | 16 | 4 |
| Ali Carter | 1 | 2014 | WO | 0 | 16 | 4 |
| Joe Perry | 4 | 2014 | WO | 1 | 16 | 4 |
| Stuart Bingham | 3 | 2014 | WO | 0 | 16 | 4 |
| Ronnie O'Sullivan | 4 | 2014 | WO | 1 | 16 | 4 |
| Ricky Walden | 1 | 2014 | WO | 0 | 16 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Ding Junhui | 4 | 2014 | WO | 1 | 16 | 4 |
| Scott Donaldson | 0 | 2014 | WO | 0 | 16 | 4 |
| John Higgins | 4 | 2014 | WO | 1 | 16 | 4 |
| Judd Trump | 3 | 2014 | WO | 0 | 16 | 4 |
| Barry Hawkins | 4 | 2014 | WO | 1 | 16 | 4 |
| Liang Wenbo | 2 | 2014 | WO | 0 | 16 | 4 |
| Marco Fu | 4 | 2014 | WO | 1 | 16 | 4 |
| Mark Williams | 2 | 2014 | WO | 0 | 16 | 4 |
| Joe Perry | 5 | 2014 | WO | 1 | 16 | 2 |
| Mark Selby | 1 | 2014 | WO | 0 | 16 | 2 |
| Ronnie O'Sullivan | 5 | 2014 | WO | 1 | 16 | 2 |
| John Higgins | 1 | 2014 | WO | 0 | 16 | 2 |
| Ding Junhui | 5 | 2014 | WO | 1 | 16 | 2 |
| Joel Walker | 4 | 2014 | WO | 0 | 16 | 2 |
| Barry Hawkins | 5 | 2014 | WO | 1 | 16 | 2 |
| Marco Fu | 0 | 2014 | WO | 0 | 16 | 2 |
| Ronnie O'Sullivan | 6 | 2014 | WO | 1 | 16 | 1 |
| Barry Hawkins | 2 | 2014 | WO | 0 | 16 | 1 |
| Ding Junhui | 6 | 2014 | WO | 1 | 16 | 1 |
| Joe Perry | 4 | 2014 | WO | 0 | 16 | 1 |
| Ronnie O'Sullivan | 9 | 2014 | WO | 1 | 16 | 0.5 |
| Ding Junhui | 3 | 2014 | WO | 0 | 16 | 0.5 |
| Judd Trump | 13 | 2014 | WC | 1 | 8 | 4 |
| Ryan Day | 7 | 2014 | WC | 0 | 8 | 4 |
| Mark Selby | 13 | 2014 | WC | 1 | 8 | 4 |
| Ali Carter | 9 | 2014 | WC | 0 | 8 | 4 |
| Neil Robertson | 13 | 2014 | WC | 1 | 8 | 4 |
| Mark Allen | 7 | 2014 | WC | 0 | 8 | 4 |
| Ronnie O'Sullivan | 13 | 2014 | WC | 1 | 8 | 4 |
| Joe Perry | 11 | 2014 | WC | 0 | 8 | 4 |
| Shaun Murphy | 13 | 2014 | WC | 1 | 8 | 4 |
| Marco Fu | 8 | 2014 | WC | 0 | 8 | 4 |
| Alan McManus | 13 | 2014 | WC | 1 | 8 | 4 |
| Ken Doherty | 8 | 2014 | WC | 0 | 8 | 4 |
| Barry Hawkins | 13 | 2014 | WC | 1 | 8 | 4 |
| Ricky Walden | 11 | 2014 | WC | 0 | 8 | 4 |
| Dominic Dale | 13 | 2014 | WC | 1 | 8 | 4 |
| Michael Wasley | 4 | 2014 | WC | 0 | 8 | 4 |
| Mark Selby | 13 | 2014 | WC | 1 | 8 | 2 |
| Alan McManus | 5 | 2014 | WC | 0 | 8 | 2 |
| Neil Robertson | 13 | 2014 | WC | 1 | 8 | 2 |
| Judd Trump | 11 | 2014 | WC | 0 | 8 | 2 |
| Ronnie O'Sullivan | 13 | 2014 | WC | 1 | 8 | 2 |
| Shaun Murphy | 3 | 2014 | WC | 0 | 8 | 2 |
| Barry Hawkins | 13 | 2014 | WC | 1 | 8 | 2 |
| Dominic Dale | 12 | 2014 | WC | 0 | 8 | 2 |
| Mark Selby | 17 | 2014 | WC | 1 | 8 | 1 |
| Neil Robertson | 15 | 2014 | WC | 0 | 8 | 1 |

| | | | | | | |
|-------------------|-----------|------|----|---|---|-----|
| Ronnie O'Sullivan | 17 | 2014 | WC | 1 | 8 | 1 |
| Barry Hawkins | 7 | 2014 | WC | 0 | 8 | 1 |
| Mark Selby | 18 | 2014 | WC | 1 | 8 | 0.5 |
| Ronnie O'Sullivan | 14 | 2014 | WC | 0 | 8 | 0.5 |

Data for 2015

| Name | round | year | match | win | H | C |
|--------------------|-----------|------|-------|-----|----|-----|
| Gary Wilson | 5 | 2015 | CO | 1 | 16 | 4 |
| Dechawat Poomjaeng | 1 | 2015 | CO | 0 | 16 | 4 |
| Mark Selby | 5 | 2015 | CO | 1 | 16 | 4 |
| David Gilbert | 2 | 2015 | CO | 0 | 16 | 4 |
| Shaun Murphy | 5 | 2015 | CO | 1 | 16 | 4 |
| Jamie Jones | 3 | 2015 | CO | 0 | 16 | 4 |
| Robert Milkins | 5 | 2015 | CO | 1 | 16 | 4 |
| Michael White | 1 | 2015 | CO | 0 | 16 | 4 |
| Kurt Maflin | 5 | 2015 | CO | 1 | 16 | 4 |
| Robin Hull | 1 | 2015 | CO | 0 | 16 | 4 |
| Ding Junhui | 5 | 2015 | CO | 1 | 16 | 4 |
| Mark Williams | 2 | 2015 | CO | 0 | 16 | 4 |
| John Higgins | 5 | 2015 | CO | 1 | 16 | 4 |
| Judd Trump | 4 | 2015 | CO | 0 | 16 | 4 |
| Barry Hawkins | 5 | 2015 | CO | 1 | 16 | 4 |
| Stephen Maguire | 3 | 2015 | CO | 0 | 16 | 4 |
| Gary Wilson | 5 | 2015 | CO | 1 | 16 | 2 |
| Barry Hawkins | 3 | 2015 | CO | 0 | 16 | 2 |
| Mark Selby | 5 | 2015 | CO | 1 | 16 | 2 |
| Robert Milkins | 4 | 2015 | CO | 0 | 16 | 2 |
| Kurt Maflin | 5 | 2015 | CO | 1 | 16 | 2 |
| Shaun Murphy | 4 | 2015 | CO | 0 | 16 | 2 |
| Ding Junhui | 5 | 2015 | CO | 1 | 16 | 2 |
| John Higgins | 4 | 2015 | CO | 0 | 16 | 2 |
| Gary Wilson | 6 | 2015 | CO | 1 | 16 | 1 |
| Ding Junhui | 5 | 2015 | CO | 0 | 16 | 1 |
| Mark Selby | 6 | 2015 | CO | 1 | 16 | 1 |
| Kurt Maflin | 3 | 2015 | CO | 0 | 16 | 1 |
| Mark Selby | 10 | 2015 | CO | 1 | 16 | 0.5 |
| Gary Wilson | 2 | 2015 | CO | 0 | 16 | 0.5 |
| Kyren Wilson | 5 | 2015 | SM | 1 | 8 | 4 |
| Michael Holt | 1 | 2015 | SM | 0 | 8 | 4 |
| Mark Williams | 5 | 2015 | SM | 1 | 8 | 4 |
| Jamie Cope | 3 | 2015 | SM | 0 | 8 | 4 |
| Judd Trump | 5 | 2015 | SM | 1 | 8 | 4 |
| Matthew Selt | 4 | 2015 | SM | 0 | 8 | 4 |
| Ding Junhui | 5 | 2015 | SM | 1 | 8 | 4 |
| Ryan Day | 4 | 2015 | SM | 0 | 8 | 4 |
| Martin Gould | 5 | 2015 | SM | 1 | 8 | 4 |

| | | | | | | |
|--------------------|-----------|------|----|---|---|-----|
| John Higgins | 3 | 2015 | SM | 0 | 8 | 4 |
| Mark Davis | 5 | 2015 | SM | 1 | 8 | 4 |
| Shaun Murphy | 3 | 2015 | SM | 0 | 8 | 4 |
| Stuart Bingham | 5 | 2015 | SM | 1 | 8 | 4 |
| Mike Dunn | 1 | 2015 | SM | 0 | 8 | 4 |
| Mark Allen | 5 | 2015 | SM | 1 | 8 | 4 |
| David Grace | 1 | 2015 | SM | 0 | 8 | 4 |
| Kyren Wilson | 5 | 2015 | SM | 1 | 8 | 2 |
| Ding Junhui | 4 | 2015 | SM | 0 | 8 | 2 |
| Judd Trump | 5 | 2015 | SM | 1 | 8 | 2 |
| Mark Williams | 1 | 2015 | SM | 0 | 8 | 2 |
| Stuart Bingham | 5 | 2015 | SM | 1 | 8 | 2 |
| Martin Gould | 4 | 2015 | SM | 0 | 8 | 2 |
| Mark Allen | 5 | 2015 | SM | 1 | 8 | 2 |
| Mark Davis | 1 | 2015 | SM | 0 | 8 | 2 |
| Kyren Wilson | 6 | 2015 | SM | 1 | 8 | 1 |
| Mark Allen | 1 | 2015 | SM | 0 | 8 | 1 |
| Judd Trump | 6 | 2015 | SM | 1 | 8 | 1 |
| Stuart Bingham | 3 | 2015 | SM | 0 | 8 | 1 |
| Kyren Wilson | 10 | 2015 | SM | 1 | 8 | 0.5 |
| Judd Trump | 9 | 2015 | SM | 0 | 8 | 0.5 |
| Liang Wenbo | 6 | 2015 | UK | 1 | 8 | 4 |
| Tom Ford | 5 | 2015 | UK | 0 | 8 | 4 |
| Matthew Selt | 6 | 2015 | UK | 1 | 8 | 4 |
| Luca Brecel | 4 | 2015 | UK | 0 | 8 | 4 |
| Mark Selby | 6 | 2015 | UK | 1 | 8 | 4 |
| Dechawat Poomjaeng | 1 | 2015 | UK | 0 | 8 | 4 |
| Neil Robertson | 6 | 2015 | UK | 1 | 8 | 4 |
| Stephen Maguire | 1 | 2015 | UK | 0 | 8 | 4 |
| John Higgins | 6 | 2015 | UK | 1 | 8 | 4 |
| Jamie Burnett | 4 | 2015 | UK | 0 | 8 | 4 |
| David Grace | 6 | 2015 | UK | 1 | 8 | 4 |
| Peter Ebdon | 2 | 2015 | UK | 0 | 8 | 4 |
| Martin Gould | 6 | 2015 | UK | 1 | 8 | 4 |
| Joe Swail | 3 | 2015 | UK | 0 | 8 | 4 |
| Marco Fu | 6 | 2015 | UK | 1 | 8 | 4 |
| Shaun Murphy | 4 | 2015 | UK | 0 | 8 | 4 |
| Liang Wenbo | 6 | 2015 | UK | 1 | 8 | 2 |
| Marco Fu | 5 | 2015 | UK | 0 | 8 | 2 |
| Mark Selby | 6 | 2015 | UK | 1 | 8 | 2 |
| Matthew Selt | 1 | 2015 | UK | 0 | 8 | 2 |
| Neil Robertson | 6 | 2015 | UK | 1 | 8 | 2 |
| John Higgins | 5 | 2015 | UK | 0 | 8 | 2 |
| David Grace | 6 | 2015 | UK | 1 | 8 | 2 |
| Martin Gould | 5 | 2015 | UK | 0 | 8 | 2 |
| Liang Wenbo | 6 | 2015 | UK | 1 | 8 | 1 |
| David Grace | 4 | 2015 | UK | 0 | 8 | 1 |
| Neil Robertson | 6 | 2015 | UK | 1 | 8 | 1 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Mark Selby | 0 | 2015 | UK | 0 | 8 | 1 |
| Neil Robertson | 10 | 2015 | UK | 1 | 8 | 0.5 |
| Liang Wenbo | 5 | 2015 | UK | 0 | 8 | 0.5 |
| Ben Woollaston | 4 | 2015 | WO | 1 | 16 | 4 |
| Ali Carter | 2 | 2015 | WO | 0 | 16 | 4 |
| Gary Wilson | 4 | 2015 | WO | 1 | 16 | 4 |
| Neil Robertson | 2 | 2015 | WO | 0 | 16 | 4 |
| Mark Williams | 4 | 2015 | WO | 1 | 16 | 4 |
| Judd Trump | 1 | 2015 | WO | 0 | 16 | 4 |
| Ricky Walden | 4 | 2015 | WO | 1 | 16 | 4 |
| Stuart Bingham | 2 | 2015 | WO | 0 | 16 | 4 |
| Stephen Maguire | 4 | 2015 | WO | 1 | 16 | 4 |
| Alan McManus | 0 | 2015 | WO | 0 | 16 | 4 |
| John Higgins | 4 | 2015 | WO | 1 | 16 | 4 |
| Michael Georgiou | 2 | 2015 | WO | 0 | 16 | 4 |
| Marco Fu | 4 | 2015 | WO | 1 | 16 | 4 |
| Matthew Stevens | 2 | 2015 | WO | 0 | 16 | 4 |
| Luca Brecel | 4 | 2015 | WO | 1 | 16 | 4 |
| Mark Selby | 3 | 2015 | WO | 0 | 16 | 4 |
| Ben Woollaston | 5 | 2015 | WO | 1 | 16 | 2 |
| Gary Wilson | 2 | 2015 | WO | 0 | 16 | 2 |
| Mark Williams | 5 | 2015 | WO | 1 | 16 | 2 |
| Marco Fu | 1 | 2015 | WO | 0 | 16 | 2 |
| John Higgins | 5 | 2015 | WO | 1 | 16 | 2 |
| Stephen Maguire | 1 | 2015 | WO | 0 | 16 | 2 |
| Luca Brecel | 5 | 2015 | WO | 1 | 16 | 2 |
| Ricky Walden | 3 | 2015 | WO | 0 | 16 | 2 |
| Ben Woollaston | 6 | 2015 | WO | 1 | 16 | 1 |
| Mark Williams | 5 | 2015 | WO | 0 | 16 | 1 |
| John Higgins | 6 | 2015 | WO | 1 | 16 | 1 |
| Luca Brecel | 4 | 2015 | WO | 0 | 16 | 1 |
| John Higgins | 9 | 2015 | WO | 1 | 16 | 0.5 |
| Ben Woollaston | 3 | 2015 | WO | 0 | 16 | 0.5 |
| Judd Trump | 13 | 2015 | WC | 1 | 8 | 4 |
| Marco Fu | 8 | 2015 | WC | 0 | 8 | 4 |
| Neil Robertson | 13 | 2015 | WC | 1 | 8 | 4 |
| Ali Carter | 5 | 2015 | WC | 0 | 8 | 4 |
| Ronnie O'Sullivan | 13 | 2015 | WC | 1 | 8 | 4 |
| Matthew Stevens | 5 | 2015 | WC | 0 | 8 | 4 |
| Shaun Murphy | 13 | 2015 | WC | 1 | 8 | 4 |
| Joe Perry | 5 | 2015 | WC | 0 | 8 | 4 |
| Anthony McGill | 13 | 2015 | WC | 1 | 8 | 4 |
| Mark Selby | 9 | 2015 | WC | 0 | 8 | 4 |
| Ding Junhui | 13 | 2015 | WC | 1 | 8 | 4 |
| John Higgins | 9 | 2015 | WC | 0 | 8 | 4 |
| Barry Hawkins | 13 | 2015 | WC | 1 | 8 | 4 |
| Mark Allen | 11 | 2015 | WC | 0 | 8 | 4 |
| Stuart Bingham | 13 | 2015 | WC | 1 | 8 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|---|-----|
| Graeme Dott | 5 | 2015 | WC | 0 | 8 | 4 |
| Judd Trump | 13 | 2015 | WC | 1 | 8 | 2 |
| Ding Junhui | 4 | 2015 | WC | 0 | 8 | 2 |
| Shaun Murphy | 13 | 2015 | WC | 1 | 8 | 2 |
| Anthony McGill | 11 | 2015 | WC | 0 | 8 | 2 |
| Barry Hawkins | 13 | 2015 | WC | 1 | 8 | 2 |
| Neil Robertson | 12 | 2015 | WC | 0 | 8 | 2 |
| Stuart Bingham | 13 | 2015 | WC | 1 | 8 | 2 |
| Ronnie O'Sullivan | 9 | 2015 | WC | 0 | 8 | 2 |
| Shaun Murphy | 17 | 2015 | WC | 1 | 8 | 1 |
| Barry Hawkins | 9 | 2015 | WC | 0 | 8 | 1 |
| Stuart Bingham | 17 | 2015 | WC | 1 | 8 | 1 |
| Judd Trump | 16 | 2015 | WC | 0 | 8 | 1 |
| Stuart Bingham | 18 | 2015 | WC | 1 | 8 | 0.5 |
| Shaun Murphy | 15 | 2015 | WC | 0 | 8 | 0.5 |

Data for 2016

| Name | round | year | match | win | H | C |
|------------------|----------|------|-------|-----|----|---|
| Ricky Walden | 5 | 2016 | CO | 1 | 16 | 4 |
| Tian Pengfei | 4 | 2016 | CO | 0 | 16 | 4 |
| Judd Trump | 5 | 2016 | CO | 1 | 16 | 4 |
| Marco Fu | 1 | 2016 | CO | 0 | 16 | 4 |
| Noppon Saengkham | 5 | 2016 | CO | 1 | 16 | 4 |
| Graeme Dott | 1 | 2016 | CO | 0 | 16 | 4 |
| Stephen Maguire | 5 | 2016 | CO | 1 | 16 | 4 |
| Dominic Dale | 1 | 2016 | CO | 0 | 16 | 4 |
| Mark King | 5 | 2016 | CO | 1 | 16 | 4 |
| Martin O'Donnell | 0 | 2016 | CO | 0 | 16 | 4 |
| John Higgins | 5 | 2016 | CO | 1 | 16 | 4 |
| David Gilbert | 3 | 2016 | CO | 0 | 16 | 4 |
| Alfie Burden | 5 | 2016 | CO | 1 | 16 | 4 |
| Rory McLeod | 1 | 2016 | CO | 0 | 16 | 4 |
| Stuart Bingham | 5 | 2016 | CO | 1 | 16 | 4 |
| Rod Lawler | 2 | 2016 | CO | 0 | 16 | 4 |
| Judd Trump | 5 | 2016 | CO | 1 | 16 | 2 |
| Mark King | 3 | 2016 | CO | 0 | 16 | 2 |
| Stephen Maguire | 5 | 2016 | CO | 1 | 16 | 2 |
| Alfie Burden | 1 | 2016 | CO | 0 | 16 | 2 |
| John Higgins | 5 | 2016 | CO | 1 | 16 | 2 |
| Noppon Saengkham | 3 | 2016 | CO | 0 | 16 | 2 |
| Ricky Walden | 5 | 2016 | CO | 1 | 16 | 2 |
| Stuart Bingham | 1 | 2016 | CO | 0 | 16 | 2 |
| Ricky Walden | 6 | 2016 | CO | 1 | 16 | 1 |
| John Higgins | 5 | 2016 | CO | 0 | 16 | 1 |
| Judd Trump | 6 | 2016 | CO | 1 | 16 | 1 |
| Stephen Maguire | 0 | 2016 | CO | 0 | 16 | 1 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Judd Trump | 10 | 2016 | CO | 1 | 16 | 0.5 |
| Ricky Walden | 4 | 2016 | CO | 0 | 16 | 0.5 |
| Michael White | 5 | 2016 | SM | 1 | 8 | 4 |
| Judd Trump | 3 | 2016 | SM | 0 | 8 | 4 |
| Mark Selby | 5 | 2016 | SM | 1 | 8 | 4 |
| Stuart Carrington | 3 | 2016 | SM | 0 | 8 | 4 |
| Stephen Maguire | 5 | 2016 | SM | 1 | 8 | 4 |
| Barry Hawkins | 3 | 2016 | SM | 0 | 8 | 4 |
| Ding Junhui | 5 | 2016 | SM | 1 | 8 | 4 |
| Mark Allen | 2 | 2016 | SM | 0 | 8 | 4 |
| Michael Holt | 5 | 2016 | SM | 1 | 8 | 4 |
| Ronnie O'Sullivan | 2 | 2016 | SM | 0 | 8 | 4 |
| Ryan Day | 5 | 2016 | SM | 1 | 8 | 4 |
| Mei Xinwen | 2 | 2016 | SM | 0 | 8 | 4 |
| Ali Carter | 5 | 2016 | SM | 1 | 8 | 4 |
| John Higgins | 2 | 2016 | SM | 0 | 8 | 4 |
| Stuart Bingham | 5 | 2016 | SM | 1 | 8 | 4 |
| David Gilbert | 2 | 2016 | SM | 0 | 8 | 4 |
| Mark Selby | 5 | 2016 | SM | 1 | 8 | 2 |
| Ryan Day | 3 | 2016 | SM | 0 | 8 | 2 |
| Stephen Maguire | 5 | 2016 | SM | 1 | 8 | 2 |
| Michael White | 1 | 2016 | SM | 0 | 8 | 2 |
| Ding Junhui | 5 | 2016 | SM | 1 | 8 | 2 |
| Michael Holt | 3 | 2016 | SM | 0 | 8 | 2 |
| Stuart Bingham | 5 | 2016 | SM | 1 | 8 | 2 |
| Ali Carter | 1 | 2016 | SM | 0 | 8 | 2 |
| Mark Selby | 6 | 2016 | SM | 1 | 8 | 1 |
| Stuart Bingham | 5 | 2016 | SM | 0 | 8 | 1 |
| Ding Junhui | 6 | 2016 | SM | 1 | 8 | 1 |
| Stephen Maguire | 3 | 2016 | SM | 0 | 8 | 1 |
| Ding Junhui | 10 | 2016 | SM | 1 | 8 | 0.5 |
| Mark Selby | 6 | 2016 | SM | 0 | 8 | 0.5 |
| Mark Williams | 6 | 2016 | UK | 1 | 8 | 4 |
| Liam Highfield | 5 | 2016 | UK | 0 | 8 | 4 |
| Mark Selby | 6 | 2016 | UK | 1 | 8 | 4 |
| Zhang Anda | 1 | 2016 | UK | 0 | 8 | 4 |
| Ronnie O'Sullivan | 6 | 2016 | UK | 1 | 8 | 4 |
| Matthew Stevens | 2 | 2016 | UK | 0 | 8 | 4 |
| Shaun Murphy | 6 | 2016 | UK | 1 | 8 | 4 |
| Zhou Yuelong | 2 | 2016 | UK | 0 | 8 | 4 |
| Jamie Jones | 6 | 2016 | UK | 1 | 8 | 4 |
| David Gilbert | 2 | 2016 | UK | 0 | 8 | 4 |
| John Higgins | 6 | 2016 | UK | 1 | 8 | 4 |
| Mark Allen | 3 | 2016 | UK | 0 | 8 | 4 |
| Marco Fu | 6 | 2016 | UK | 1 | 8 | 4 |
| Oliver Lines | 0 | 2016 | UK | 0 | 8 | 4 |
| Luca Brecel | 6 | 2016 | UK | 1 | 8 | 4 |
| Stephen Maguire | 3 | 2016 | UK | 0 | 8 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Mark Selby | 6 | 2016 | UK | 1 | 8 | 2 |
| John Higgins | 5 | 2016 | UK | 0 | 8 | 2 |
| Ronnie O'Sullivan | 6 | 2016 | UK | 1 | 8 | 2 |
| Mark Williams | 2 | 2016 | UK | 0 | 8 | 2 |
| Shaun Murphy | 6 | 2016 | UK | 1 | 8 | 2 |
| Luca Brecel | 1 | 2016 | UK | 0 | 8 | 2 |
| Marco Fu | 6 | 2016 | UK | 1 | 8 | 2 |
| Jamie Jones | 5 | 2016 | UK | 0 | 8 | 2 |
| Mark Selby | 6 | 2016 | UK | 1 | 8 | 1 |
| Shaun Murphy | 2 | 2016 | UK | 0 | 8 | 1 |
| Ronnie O'Sullivan | 6 | 2016 | UK | 1 | 8 | 1 |
| Marco Fu | 5 | 2016 | UK | 0 | 8 | 1 |
| Mark Selby | 10 | 2016 | UK | 1 | 8 | 0.5 |
| Ronnie O'Sullivan | 7 | 2016 | UK | 0 | 8 | 0.5 |
| Ben Woollaston | 4 | 2016 | WO | 1 | 16 | 4 |
| Martin Gould | 1 | 2016 | WO | 0 | 16 | 4 |
| Michael White | 4 | 2016 | WO | 1 | 16 | 4 |
| John Higgins | 1 | 2016 | WO | 0 | 16 | 4 |
| Mark Selby | 4 | 2016 | WO | 1 | 16 | 4 |
| Mark Williams | 2 | 2016 | WO | 0 | 16 | 4 |
| Neil Robertson | 4 | 2016 | WO | 1 | 16 | 4 |
| Marco Fu | 2 | 2016 | WO | 0 | 16 | 4 |
| Joe Perry | 4 | 2016 | WO | 1 | 16 | 4 |
| Judd Trump | 3 | 2016 | WO | 0 | 16 | 4 |
| Ronnie O'Sullivan | 4 | 2016 | WO | 1 | 16 | 4 |
| Yu Delu | 1 | 2016 | WO | 0 | 16 | 4 |
| Ding Junhui | 4 | 2016 | WO | 1 | 16 | 4 |
| Luca Brecel | 2 | 2016 | WO | 0 | 16 | 4 |
| Mark Allen | 4 | 2016 | WO | 1 | 16 | 4 |
| Barry Hawkins | 3 | 2016 | WO | 0 | 16 | 4 |
| Neil Robertson | 5 | 2016 | WO | 1 | 16 | 2 |
| Ding Junhui | 2 | 2016 | WO | 0 | 16 | 2 |
| Joe Perry | 5 | 2016 | WO | 1 | 16 | 2 |
| Ben Woollaston | 1 | 2016 | WO | 0 | 16 | 2 |
| Ronnie O'Sullivan | 5 | 2016 | WO | 1 | 16 | 2 |
| Mark Selby | 1 | 2016 | WO | 0 | 16 | 2 |
| Mark Allen | 5 | 2016 | WO | 1 | 16 | 2 |
| Michael White | 0 | 2016 | WO | 0 | 16 | 2 |
| Neil Robertson | 6 | 2016 | WO | 1 | 16 | 1 |
| Mark Allen | 4 | 2016 | WO | 0 | 16 | 1 |
| Ronnie O'Sullivan | 6 | 2016 | WO | 1 | 16 | 1 |
| Joe Perry | 3 | 2016 | WO | 0 | 16 | 1 |
| Ronnie O'Sullivan | 9 | 2016 | WO | 1 | 16 | 0.5 |
| Neil Robertson | 5 | 2016 | WO | 0 | 16 | 0.5 |
| Kyren Wilson | 13 | 2016 | WC | 1 | 8 | 4 |
| Mark Allen | 9 | 2016 | WC | 0 | 8 | 4 |
| Mark Williams | 13 | 2016 | WC | 1 | 8 | 4 |
| Michael Holt | 8 | 2016 | WC | 0 | 8 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|---|-----|
| Mark Selby | 13 | 2016 | WC | 1 | 8 | 4 |
| Sam Baird | 11 | 2016 | WC | 0 | 8 | 4 |
| Alan McManus | 13 | 2016 | WC | 1 | 8 | 4 |
| Ali Carter | 11 | 2016 | WC | 0 | 8 | 4 |
| Ding Junhui | 13 | 2016 | WC | 1 | 8 | 4 |
| Judd Trump | 10 | 2016 | WC | 0 | 8 | 4 |
| John Higgins | 13 | 2016 | WC | 1 | 8 | 4 |
| Ricky Walden | 8 | 2016 | WC | 0 | 8 | 4 |
| Barry Hawkins | 13 | 2016 | WC | 1 | 8 | 4 |
| Ronnie O'Sullivan | 12 | 2016 | WC | 0 | 8 | 4 |
| Marco Fu | 13 | 2016 | WC | 1 | 8 | 4 |
| Anthony McGill | 9 | 2016 | WC | 0 | 8 | 4 |
| Mark Selby | 13 | 2016 | WC | 1 | 8 | 2 |
| Kyren Wilson | 8 | 2016 | WC | 0 | 8 | 2 |
| Alan McManus | 13 | 2016 | WC | 1 | 8 | 2 |
| John Higgins | 11 | 2016 | WC | 0 | 8 | 2 |
| Ding Junhui | 13 | 2016 | WC | 1 | 8 | 2 |
| Mark Williams | 3 | 2016 | WC | 0 | 8 | 2 |
| Marco Fu | 13 | 2016 | WC | 1 | 8 | 2 |
| Barry Hawkins | 11 | 2016 | WC | 0 | 8 | 2 |
| Mark Selby | 17 | 2016 | WC | 1 | 8 | 1 |
| Marco Fu | 15 | 2016 | WC | 0 | 8 | 1 |
| Ding Junhui | 17 | 2016 | WC | 1 | 8 | 1 |
| Alan McManus | 11 | 2016 | WC | 0 | 8 | 1 |
| Mark Selby | 18 | 2016 | WC | 1 | 8 | 0.5 |
| Ding Junhui | 14 | 2016 | WC | 0 | 8 | 0.5 |

Data for 2017

| Name | round | year | match | win | H | C |
|------------------|----------|------|-------|-----|----|---|
| Kyren Wilson | 5 | 2017 | CO | 1 | 16 | 4 |
| Stuart Bingham | 2 | 2017 | CO | 0 | 16 | 4 |
| Mark Williams | 5 | 2017 | CO | 1 | 16 | 4 |
| John Higgins | 4 | 2017 | CO | 0 | 16 | 4 |
| Hossein Vafaei | 5 | 2017 | CO | 1 | 16 | 4 |
| Rory McLeod | 3 | 2017 | CO | 0 | 16 | 4 |
| Judd Trump | 5 | 2017 | CO | 1 | 16 | 4 |
| Tian Pengfei | 3 | 2017 | CO | 0 | 16 | 4 |
| Mark Selby | 5 | 2017 | CO | 1 | 16 | 4 |
| Andrew Higginson | 4 | 2017 | CO | 0 | 16 | 4 |
| Shaun Murphy | 5 | 2017 | CO | 1 | 16 | 4 |
| Michael White | 1 | 2017 | CO | 0 | 16 | 4 |
| Stephen Maguire | 5 | 2017 | CO | 1 | 16 | 4 |
| Daniel Wells | 1 | 2017 | CO | 0 | 16 | 4 |
| Ding Junhui | 5 | 2017 | CO | 1 | 16 | 4 |
| Mark Joyce | 3 | 2017 | CO | 0 | 16 | 4 |
| Kyren Wilson | 5 | 2017 | CO | 1 | 16 | 2 |

| | | | | | | |
|---------------------|----|------|----|---|----|-----|
| Ding Junhui | 1 | 2017 | CO | 0 | 16 | 2 |
| Mark Williams | 5 | 2017 | CO | 1 | 16 | 2 |
| Shaun Murphy | 1 | 2017 | CO | 0 | 16 | 2 |
| Hossein Vafaei | 5 | 2017 | CO | 1 | 16 | 2 |
| Judd Trump | 3 | 2017 | CO | 0 | 16 | 2 |
| Mark Selby | 5 | 2017 | CO | 1 | 16 | 2 |
| Stephen Maguire | 1 | 2017 | CO | 0 | 16 | 2 |
| Mark Selby | 6 | 2017 | CO | 1 | 16 | 1 |
| Kyren Wilson | 4 | 2017 | CO | 0 | 16 | 1 |
| Mark Williams | 6 | 2017 | CO | 1 | 16 | 1 |
| Hossein Vafaei | 1 | 2017 | CO | 0 | 16 | 1 |
| Mark Selby | 10 | 2017 | CO | 1 | 16 | 0.5 |
| Mark Williams | 8 | 2017 | CO | 0 | 16 | 0.5 |
| Mark Williams | 5 | 2017 | SM | 1 | 8 | 4 |
| Mark Selby | 3 | 2017 | SM | 0 | 8 | 4 |
| Judd Trump | 5 | 2017 | SM | 1 | 8 | 4 |
| Stephen Maguire | 0 | 2017 | SM | 0 | 8 | 4 |
| Ronnie O'Sullivan | 5 | 2017 | SM | 1 | 8 | 4 |
| Barry Hawkins | 0 | 2017 | SM | 0 | 8 | 4 |
| Kurt Maflin | 5 | 2017 | SM | 1 | 8 | 4 |
| Mei Xinwen | 2 | 2017 | SM | 0 | 8 | 4 |
| Jack Lisowski | 5 | 2017 | SM | 1 | 8 | 4 |
| Mark Allen | 4 | 2017 | SM | 0 | 8 | 4 |
| John Higgins | 5 | 2017 | SM | 1 | 8 | 4 |
| Liang Wenbo | 2 | 2017 | SM | 0 | 8 | 4 |
| Martin Gould | 5 | 2017 | SM | 1 | 8 | 4 |
| Marco Fu | 2 | 2017 | SM | 0 | 8 | 4 |
| Luca Brecel | 5 | 2017 | SM | 1 | 8 | 4 |
| Graeme Dott | 4 | 2017 | SM | 0 | 8 | 4 |
| Judd Trump | 5 | 2017 | SM | 1 | 8 | 2 |
| Luca Brecel | 0 | 2017 | SM | 0 | 8 | 2 |
| Ronnie O'Sullivan | 5 | 2017 | SM | 1 | 8 | 2 |
| Mark Williams | 1 | 2017 | SM | 0 | 8 | 2 |
| Jack Lisowski | 5 | 2017 | SM | 1 | 8 | 2 |
| Kurt Maflin | 3 | 2017 | SM | 0 | 8 | 2 |
| John Higgins | 5 | 2017 | SM | 1 | 8 | 2 |
| Martin Gould | 1 | 2017 | SM | 0 | 8 | 2 |
| Judd Trump | 6 | 2017 | SM | 1 | 8 | 1 |
| Jack Lisowski | 3 | 2017 | SM | 0 | 8 | 1 |
| Ronnie O'Sullivan | 6 | 2017 | SM | 1 | 8 | 1 |
| John Higgins | 2 | 2017 | SM | 0 | 8 | 1 |
| Ronnie O'Sullivan | 10 | 2017 | SM | 1 | 8 | 0.5 |
| Judd Trump | 3 | 2017 | SM | 0 | 8 | 0.5 |
| Joe Perry | 6 | 2017 | UK | 1 | 8 | 4 |
| Mark Allen | 4 | 2017 | UK | 0 | 8 | 4 |
| Ronnie O'Sullivan | 6 | 2017 | UK | 1 | 8 | 4 |
| Akani Songsermsawad | 5 | 2017 | UK | 0 | 8 | 4 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Shaun Murphy | 6 | 2017 | UK | 1 | 8 | 4 |
| Ricky Walden | 1 | 2017 | UK | 0 | 8 | 4 |
| Stephen Maguire | 6 | 2017 | UK | 1 | 8 | 4 |
| Graeme Dott | 2 | 2017 | UK | 0 | 8 | 4 |
| Mark King | 6 | 2017 | UK | 1 | 8 | 4 |
| John Higgins | 5 | 2017 | UK | 0 | 8 | 4 |
| Mark Joyce | 6 | 2017 | UK | 1 | 8 | 4 |
| Lyu Haotian | 4 | 2017 | UK | 0 | 8 | 4 |
| Martin Gould | 6 | 2017 | UK | 1 | 8 | 4 |
| Xiao Guodong | 4 | 2017 | UK | 0 | 8 | 4 |
| Ryan Day | 6 | 2017 | UK | 1 | 8 | 4 |
| Li Hang | 5 | 2017 | UK | 0 | 8 | 4 |
| Ronnie O'Sullivan | 6 | 2017 | UK | 1 | 8 | 2 |
| Martin Gould | 3 | 2017 | UK | 0 | 8 | 2 |
| Shaun Murphy | 6 | 2017 | UK | 1 | 8 | 2 |
| Mark King | 1 | 2017 | UK | 0 | 8 | 2 |
| Stephen Maguire | 6 | 2017 | UK | 1 | 8 | 2 |
| Joe Perry | 3 | 2017 | UK | 0 | 8 | 2 |
| Ryan Day | 6 | 2017 | UK | 1 | 8 | 2 |
| Mark Joyce | 5 | 2017 | UK | 0 | 8 | 2 |
| Ronnie O'Sullivan | 6 | 2017 | UK | 1 | 8 | 1 |
| Stephen Maguire | 4 | 2017 | UK | 0 | 8 | 1 |
| Shaun Murphy | 6 | 2017 | UK | 1 | 8 | 1 |
| Ryan Day | 3 | 2017 | UK | 0 | 8 | 1 |
| Ronnie O'Sullivan | 10 | 2017 | UK | 1 | 8 | 0.5 |
| Shaun Murphy | 5 | 2017 | UK | 0 | 8 | 0.5 |
| Zhou Yuelong | 4 | 2017 | WO | 1 | 16 | 4 |
| Lee Walker | 0 | 2017 | WO | 0 | 16 | 4 |
| Judd Trump | 4 | 2017 | WO | 1 | 16 | 4 |
| Hossein Vafaei | 1 | 2017 | WO | 0 | 16 | 4 |
| Robert Milkins | 4 | 2017 | WO | 1 | 16 | 4 |
| Mei Xinwen | 2 | 2017 | WO | 0 | 16 | 4 |
| Kurt Maflin | 4 | 2017 | WO | 1 | 16 | 4 |
| Yan Bingtao | 1 | 2017 | WO | 0 | 16 | 4 |
| Barry Hawkins | 4 | 2017 | WO | 1 | 16 | 4 |
| Craig Steadman | 0 | 2017 | WO | 0 | 16 | 4 |
| Scott Donaldson | 4 | 2017 | WO | 1 | 16 | 4 |
| Mark Davis | 3 | 2017 | WO | 0 | 16 | 4 |
| Stuart Carrington | 4 | 2017 | WO | 1 | 16 | 4 |
| Igor Figueiredo | 1 | 2017 | WO | 0 | 16 | 4 |
| Stuart Bingham | 4 | 2017 | WO | 1 | 16 | 4 |
| Robbie Williams | 0 | 2017 | WO | 0 | 16 | 4 |
| Judd Trump | 5 | 2017 | WO | 1 | 16 | 2 |
| Barry Hawkins | 4 | 2017 | WO | 0 | 16 | 2 |
| Robert Milkins | 5 | 2017 | WO | 1 | 16 | 2 |
| Kurt Maflin | 2 | 2017 | WO | 0 | 16 | 2 |
| Scott Donaldson | 5 | 2017 | WO | 1 | 16 | 2 |
| Zhou Yuelong | 0 | 2017 | WO | 0 | 16 | 2 |

| | | | | | | |
|-------------------|-----------|------|----|---|----|-----|
| Stuart Bingham | 5 | 2017 | WO | 1 | 16 | 2 |
| Stuart Carrington | 3 | 2017 | WO | 0 | 16 | 2 |
| Judd Trump | 6 | 2017 | WO | 1 | 16 | 1 |
| Scott Donaldson | 3 | 2017 | WO | 0 | 16 | 1 |
| Stuart Bingham | 6 | 2017 | WO | 1 | 16 | 1 |
| Robert Milkins | 0 | 2017 | WO | 0 | 16 | 1 |
| Stuart Bingham | 9 | 2017 | WO | 1 | 16 | 0.5 |
| Judd Trump | 8 | 2017 | WO | 0 | 16 | 0.5 |
| Kyren Wilson | 13 | 2017 | WC | 1 | 8 | 4 |
| Stuart Bingham | 10 | 2017 | WC | 0 | 8 | 4 |
| Mark Selby | 13 | 2017 | WC | 1 | 8 | 4 |
| Xiao Guodong | 6 | 2017 | WC | 0 | 8 | 4 |
| Ronnie O'Sullivan | 13 | 2017 | WC | 1 | 8 | 4 |
| Shaun Murphy | 7 | 2017 | WC | 0 | 8 | 4 |
| Stephen Maguire | 13 | 2017 | WC | 1 | 8 | 4 |
| Rory McLeod | 3 | 2017 | WC | 0 | 8 | 4 |
| Ding Junhui | 13 | 2017 | WC | 1 | 8 | 4 |
| Liang Wenbo | 12 | 2017 | WC | 0 | 8 | 4 |
| John Higgins | 13 | 2017 | WC | 1 | 8 | 4 |
| Mark Allen | 9 | 2017 | WC | 0 | 8 | 4 |
| Barry Hawkins | 13 | 2017 | WC | 1 | 8 | 4 |
| Graeme Dott | 6 | 2017 | WC | 0 | 8 | 4 |
| Marco Fu | 13 | 2017 | WC | 1 | 8 | 4 |
| Neil Robertson | 11 | 2017 | WC | 0 | 8 | 4 |
| Mark Selby | 13 | 2017 | WC | 1 | 8 | 2 |
| Marco Fu | 3 | 2017 | WC | 0 | 8 | 2 |
| Ding Junhui | 13 | 2017 | WC | 1 | 8 | 2 |
| Ronnie O'Sullivan | 10 | 2017 | WC | 0 | 8 | 2 |
| John Higgins | 13 | 2017 | WC | 1 | 8 | 2 |
| Kyren Wilson | 6 | 2017 | WC | 0 | 8 | 2 |
| Barry Hawkins | 13 | 2017 | WC | 1 | 8 | 2 |
| Stephen Maguire | 9 | 2017 | WC | 0 | 8 | 2 |
| Mark Selby | 17 | 2017 | WC | 1 | 8 | 1 |
| Ding Junhui | 15 | 2017 | WC | 0 | 8 | 1 |
| John Higgins | 17 | 2017 | WC | 1 | 8 | 1 |
| Barry Hawkins | 8 | 2017 | WC | 0 | 8 | 1 |
| Mark Selby | 18 | 2017 | WC | 1 | 8 | 0.5 |
| John Higgins | 15 | 2017 | WC | 0 | 8 | 0.5 |

Attachment 5: The comprehensive scores of snooker players

| Name | init_R | RSM | R_{RSM} | add | PM | R_{PM} | CE | GOAT |
|-------------------|--------|------|-----------|-----|--------|----------|------|------|
| Mark Selby | 1994 | 2624 | 2 | 630 | 31.59% | 2 | 1.6 | 1 |
| Ronnie O'Sullivan | 2198 | 2700 | 1 | 502 | 22.84% | 5 | 2.4 | 2 |
| Ding Junhui | 2003 | 2584 | 3 | 581 | 29.01% | 3 | 2.4 | 3 |
| Stephen Maguire | 2153 | 2509 | 4 | 356 | 16.54% | 8 | 4.8 | 4 |
| Neil Robertson | 2121 | 2451 | 6 | 330 | 15.56% | 9 | 6 | 5 |
| Judd Trump | 1975 | 2338 | 10 | 363 | 18.38% | 7 | 6.8 | 6 |
| Ali Carter | 2105 | 2394 | 8 | 289 | 13.73% | 10 | 7.2 | 7 |
| Shaun Murphy | 2183 | 2456 | 5 | 273 | 12.51% | 13 | 7.2 | 8 |
| Mark Williams | 2161 | 2432 | 7 | 271 | 12.54% | 12 | 7.6 | 9 |
| Mark Allen | 1637 | 2063 | 25 | 426 | 26.02% | 4 | 11.6 | 10 |
| Marco Fu | 2047 | 2253 | 14 | 206 | 10.06% | 15 | 11.6 | 11 |
| John Higgins | 2191 | 2373 | 9 | 182 | 8.31% | 21 | 12 | 12 |
| Stuart Bingham | 2029 | 2225 | 16 | 196 | 9.66% | 16 | 12.8 | 13 |
| Barry Hawkins | 2129 | 2305 | 11 | 176 | 8.27% | 22 | 13.2 | 14 |
| Ricky Walden | 1918 | 2155 | 22 | 237 | 12.36% | 14 | 14.4 | 15 |
| Joe Perry | 2081 | 2234 | 15 | 153 | 7.35% | 25 | 16 | 16 |
| Stephen Lee | 2145 | 2291 | 13 | 146 | 6.81% | 28 | 16.4 | 17 |
| Peter Ebdon | 2168 | 2291 | 12 | 123 | 5.67% | 33 | 18 | 18 |
| Anthony Hamilton | 2097 | 2204 | 17 | 107 | 5.10% | 37 | 21.6 | 19 |
| Alan McManus | 1747 | 1907 | 37 | 160 | 9.16% | 18 | 22 | 20 |
| Ben Woollaston | 1878 | 1999 | 28 | 121 | 6.44% | 30 | 23.2 | 21 |
| Ryan Day | 2089 | 2169 | 21 | 80 | 3.83% | 39 | 24 | 22 |
| Steve Davis | 2137 | 2182 | 19 | 45 | 2.11% | 46 | 26 | 23 |
| Jamie Cope | 1804 | 1904 | 38 | 100 | 5.54% | 34 | 28.8 | 24 |
| Gary Wilson | 1584 | 1734 | 56 | 150 | 9.47% | 17 | 29.2 | 25 |
| Michael White | 1724 | 1846 | 46 | 122 | 7.08% | 27 | 29.2 | 26 |
| Kurt Maflin | 1938 | 1983 | 31 | 45 | 2.32% | 44 | 30 | 27 |
| Jack Lisowski | 1878 | 1943 | 34 | 65 | 3.46% | 41 | 30 | 28 |
| Kyren Wilson | 1000 | 1322 | 75 | 322 | 32.20% | 1 | 30.4 | 29 |
| Matthew Stevens | 2113 | 2123 | 24 | 10 | 0.47% | 55 | 31.6 | 30 |
| Robert Milkins | 1918 | 1948 | 32 | 30 | 1.56% | 49 | 32.4 | 31 |
| Joe Swail | 1975 | 1988 | 29 | 13 | 0.66% | 53 | 32.8 | 32 |
| Stuart Pettman | 1747 | 1840 | 47 | 93 | 5.32% | 36 | 33.2 | 33 |
| Dominic Dale | 1888 | 1922 | 35 | 34 | 1.80% | 48 | 33.2 | 34 |
| Michael Holt | 2029 | 2035 | 26 | 6 | 0.30% | 57 | 33.2 | 35 |
| Liang Wenbo | 1570 | 1689 | 60 | 119 | 7.58% | 24 | 33.6 | 36 |
| Luca Brecel | 1000 | 1226 | 79 | 226 | 22.60% | 6 | 34 | 37 |
| Anthony McGill | 1793 | 1848 | 45 | 55 | 3.07% | 42 | 34.8 | 38 |
| A Higginson | 1000 | 1136 | 81 | 136 | 13.60% | 11 | 36.8 | 39 |
| Hossein Vafaei | 1468 | 1563 | 65 | 95 | 6.47% | 29 | 37.6 | 40 |
| Mark Davis | 1804 | 1838 | 48 | 34 | 1.88% | 47 | 38 | 41 |
| Scott Donaldson | 1205 | 1302 | 76 | 97 | 8.05% | 23 | 39.6 | 42 |
| Mike Dunn | 1611 | 1672 | 61 | 61 | 3.79% | 40 | 40.4 | 43 |
| Jamie Jones | 1804 | 1821 | 50 | 17 | 0.94% | 51 | 40.4 | 44 |
| N Saengkham | 1000 | 1088 | 83 | 88 | 8.80% | 19 | 40.8 | 45 |

| | | | | | | | | |
|-------------------|------|------|----|-----|--------|-----|------|----|
| Pankaj Advani | 1452 | 1530 | 68 | 78 | 5.37% | 35 | 41.2 | 46 |
| Alfie Burden | 1000 | 1085 | 84 | 85 | 8.50% | 20 | 41.6 | 47 |
| Martin Gould | 1611 | 1659 | 62 | 48 | 2.98% | 43 | 42 | 48 |
| Mark Joyce | 1688 | 1708 | 57 | 20 | 1.18% | 50 | 42.8 | 49 |
| Ken Doherty | 2206 | 2182 | 18 | -24 | -1.09% | 90 | 43.2 | 50 |
| Joel Walker | 1185 | 1260 | 78 | 75 | 6.33% | 31 | 43.6 | 51 |
| Jamie Burnett | 1724 | 1735 | 55 | 11 | 0.64% | 54 | 43.6 | 52 |
| Marcus Campbell | 1000 | 1071 | 85 | 71 | 7.10% | 26 | 44.4 | 53 |
| Stuart Carrington | 1611 | 1622 | 64 | 11 | 0.68% | 52 | 46.4 | 54 |
| Graeme Dott | 2176 | 2149 | 23 | -27 | -1.24% | 93 | 46.4 | 55 |
| Stephen Hendry | 2213 | 2181 | 20 | -32 | -1.45% | 96 | 46.4 | 56 |
| David Grace | 1000 | 1057 | 86 | 57 | 5.70% | 32 | 47.2 | 57 |
| Andy Hicks | 1868 | 1861 | 42 | -7 | -0.37% | 76 | 47.2 | 58 |
| John Parrott | 1857 | 1851 | 44 | -6 | -0.32% | 75 | 47.6 | 59 |
| Adrian Gunnell | 1878 | 1870 | 41 | -8 | -0.43% | 78 | 47.6 | 60 |
| Matthew Selt | 1836 | 1831 | 49 | -5 | -0.27% | 71 | 48 | 61 |
| Zhou Yuelong | 1542 | 1549 | 67 | 7 | 0.45% | 56 | 49.2 | 62 |
| Jimmy White | 1938 | 1919 | 36 | -19 | -0.98% | 89 | 50 | 63 |
| Ian McCulloch | 2012 | 1986 | 30 | -26 | -1.29% | 95 | 50 | 64 |
| Nigel Bond | 2064 | 2027 | 27 | -37 | -1.79% | 98 | 50 | 65 |
| Xiao Guodong | 1000 | 1044 | 87 | 44 | 4.40% | 38 | 50 | 66 |
| Zhang Anda | 1498 | 1497 | 70 | -1 | -0.07% | 59 | 51.6 | 67 |
| Liam Highfield | 1556 | 1553 | 66 | -3 | -0.19% | 65 | 52.4 | 68 |
| Fergal O'Brien | 1826 | 1816 | 51 | -10 | -0.55% | 81 | 52.8 | 69 |
| Mark King | 1984 | 1946 | 33 | -38 | -1.92% | 99 | 52.8 | 70 |
| Peter Lines | 1000 | 1023 | 88 | 23 | 2.30% | 45 | 53.2 | 71 |
| Oliver Lines | 1527 | 1525 | 69 | -2 | -0.13% | 64 | 53.2 | 72 |
| Robbie Williams | 1712 | 1705 | 58 | -7 | -0.41% | 77 | 54 | 73 |
| Dave Harold | 1928 | 1894 | 39 | -34 | -1.76% | 97 | 54.4 | 74 |
| Daniel Wells | 1483 | 1480 | 71 | -3 | -0.20% | 69 | 56 | 75 |
| Tom Ford | 1938 | 1893 | 40 | -45 | -2.32% | 101 | 56.4 | 76 |
| Yu Delu | 1804 | 1789 | 54 | -15 | -0.83% | 88 | 56.8 | 77 |
| Michael Wasley | 1371 | 1368 | 73 | -3 | -0.22% | 70 | 57.2 | 78 |
| Barry Pinches | 1700 | 1689 | 59 | -11 | -0.65% | 84 | 57.2 | 79 |
| Rory McLeod | 1938 | 1860 | 43 | -78 | -4.02% | 103 | 58.4 | 80 |
| A Songsermsawad | 1000 | 1000 | 89 | 0 | 0.00% | 58 | 58.8 | 81 |
| Rod Lawler | 1663 | 1651 | 63 | -12 | -0.72% | 86 | 59.6 | 82 |
| Cao Yupeng | 1000 | 999 | 90 | -1 | -0.10% | 60 | 60 | 83 |
| David Morris | 1000 | 999 | 91 | -1 | -0.10% | 61 | 60.8 | 84 |
| Robin Hull | 1468 | 1460 | 72 | -8 | -0.54% | 80 | 60.8 | 85 |
| David Gilbert | 1847 | 1805 | 52 | -42 | -2.27% | 100 | 60.8 | 86 |
| Lu Ning | 1000 | 999 | 92 | -1 | -0.10% | 62 | 61.6 | 87 |
| Michael Judge | 1847 | 1794 | 53 | -53 | -2.87% | 102 | 62 | 88 |
| Michael Georgiou | 1000 | 999 | 93 | -1 | -0.10% | 63 | 62.4 | 89 |
| James Cahill | 1000 | 998 | 94 | -2 | -0.20% | 66 | 64 | 90 |
| Jamie O'Neill | 1122 | 1117 | 82 | -5 | -0.45% | 79 | 64.4 | 91 |
| Sam Baird | 1371 | 1361 | 74 | -10 | -0.73% | 87 | 64.4 | 92 |
| Li Hang | 1000 | 998 | 95 | -2 | -0.20% | 67 | 64.8 | 93 |

| | | | | | | | | |
|------------------|------|------|-----|-----|--------|----|------|-----|
| Zhao Xintong | 1000 | 998 | 96 | -2 | -0.20% | 68 | 65.6 | 94 |
| Lyu Haotian | 1000 | 997 | 97 | -3 | -0.30% | 72 | 67.6 | 95 |
| Martin O'Donnell | 1000 | 997 | 98 | -3 | -0.30% | 73 | 68.4 | 96 |
| Craig Steadman | 1318 | 1301 | 77 | -17 | -1.29% | 94 | 68.4 | 97 |
| D Poomjaeng | 1225 | 1210 | 80 | -15 | -1.22% | 92 | 68.8 | 98 |
| Yan Bingtao | 1000 | 997 | 99 | -3 | -0.30% | 74 | 69.2 | 99 |
| Igor Figueiredo | 1000 | 994 | 100 | -6 | -0.60% | 82 | 72.8 | 100 |
| Mei Xinwen | 1000 | 994 | 101 | -6 | -0.60% | 83 | 73.6 | 101 |
| Lee Walker | 1000 | 993 | 102 | -7 | -0.70% | 85 | 74.8 | 102 |
| Tian Pengfei | 1000 | 989 | 103 | -11 | -1.10% | 91 | 77.6 | 103 |

Attachment 6: Notations

| Symbol | Description |
|------------------|---|
| R_A | Player A 's ranking score |
| E_A | Player A 's expectation of winning |
| $\overline{R_A}$ | Ranking score of player A after the competition |
| H | Weight of competition level |
| W | The result of the competition |
| seed | Seed ranking of woman tennis players |
| χ_{PR} | Indicator function of players' PR status |
| P | Game performance of players |
| Δ_i | The score difference in the i -th game |
| C_k | The weight of the round |
| P_A | Player A 's score in the progress model (PM) |
| R_{RSM} | Player's ranking in RSM |
| R_{PM} | Player's ranking in PM |
| R_A^0 | Initial score of player A in RSM |
| CE | Player's comprehensive score in CEM |
| λ | Weight coefficient in CEM |
| S | Player's out state |
| $Rank_0$ | Initial world rankings of snooker players |
| l_i | The number of winning games required for the i -th round |
| $P_{n,k}$ | In n games, the probability of a player winning k games |

Attachment 7: Model Evaluation

Some assumptions and default parameters of the model may contain errors. For example, we assume that the expectation of winning follows a normal distribution (but in the Elo algorithm, the statistical characteristics indicate that the chess player's expectation of winning is more in line with the Logistic distribution).

Considering the establishment process of the G.O.A.T. model and the meaning of each parameter in the model, our model has the following advantages:

- Based on the Elo algorithm, it considers the expectation of winning in confrontation, instead of just updating the ranking score based on the result of winning or losing. The extra points (or deductions) will be evaluated based on the current strength of both parties to ensure the fairness of the algorithm.
- The update of the ranking score will consider factors such as the level of the game, the round of the game, the performance of the game, and the state of the player. In particular, the setting of game performance P is the core of the reward and punishment mechanism that enhances the update of ranking scores.
- The criterion of "the greatest" is not only to consider the accumulation of the players' achievements, but to pay more attention to whether the players achieve "self-breakthrough". The combination of the RSM and the PM makes the comprehensive evaluation indicators more objective and fairer, and more in line with our definition of "the greatest".
- The principle of our model is simple and easy to implement, and can be easily extended to any movement. For any individual sport, the G.O.A.T. model only needs to change the definition of the initial ranking score and game performance.

Regarding the update of the ranking score, the model only considers the update of the scores of both parties when the two players are playing. In fact, the strength relationship of all players in the same sport should form a network structure. The result of any game will affect the strength relationship between players derived from the network structure (for example, player A can defeat player B , player B can beat player C , and player C can beat player A , the relationship between the strengths of the three will form a circular network). We believe that using the network structure to consider the update of the ranking scores will enrich the algorithm, but it will also make the work difficult and cumbersome.

Finally, we propose another way to define the game performance P . In fact, when we calculate the expectation of winning E_A , for a round of n rounds in which a total of n rounds are played, the probability $P_{n,k}$ that player A will win k games is:

$$P_{n,k} = \Pr(A \text{ won } k \text{ games}) = \binom{n}{k} \cdot (E_A)^k \cdot (1 - E_A)^{n-k}$$

Player A 's expectation for winning games is $E_A^n = n \cdot E_A$. Therefore, we can define the game performance of A on the basis of E_A^n . E_A^n is the number of times A should win in each round. When the number of wins of A is greater than E_A^n , we can let the game performance P becomes the incentive item for the ranking score update; and when A 's wins are less than E_A^n , let the game performance P be the penalty item for the ranking score update.

Attachment 8: Main code of G.O.A.T model (Python)

```

1. import pandas as pd
2. Snooker = pd.read_excel('Snooker2007.xlsx')
3. player = pd.read_excel('Snooker_player2007.xlsx')
4. player['init_rank'] = 1000
5. for i in range(len(player)):
6.     if type(player['rank'][i]) == int:
7.         player.loc[i, 'init_rank'] = 1000 + round(10**3*np.log(4*(94-
            player.loc[i, 'rank']/2)-100)-4400)
8. player['new_rank'] = player['init_rank']
9. Snooker['P'] = 0
10. Snooker['E'] = 0
11. for i in range(int(len(Snooker)/2)):
12.     n1 = Snooker.loc[2*i, 'Name']
13.     n2 = Snooker.loc[2*i+1, 'Name']
14.     r1 = Snooker.loc[2*i, 'round']
15.     r2 = Snooker.loc[2*i+1, 'round']
16.     w1 = Snooker.loc[2*i, 'win']
17.     w2 = Snooker.loc[2*i+1, 'win']
18.     delta = np.abs(r1-r2)
19.     l = max(r1,r2)
20.     N = np.sqrt(l) - 1
21.     p1 = 0.5 + 1/(1+np.exp((-1)**w1*delta/N))
22.     p2 = 0.5 + 1/(1+np.exp((-1)**w2*delta/N))
23.     Snooker.loc[2*i, 'P'] = p1
24.     Snooker.loc[2*i+1, 'P'] = p2
25.     rank1 = int(player.loc[player.loc[:, 'Name']==n1, 'new_rank'])
26.     rank2 = int(player.loc[player.loc[:, 'Name']==n2, 'new_rank'])
27.     E1 = 1/(1+np.exp((rank2-rank1)/400))
28.     E2 = 1 - E1
29.     Snooker.loc[2*i, 'E'] = E1
30.     Snooker.loc[2*i+1, 'E'] = E2
31.     add1 = p1*Snooker.loc[2*i, 'H']*Snooker.loc[2*i, 'C']*(w1-E1)
32.     add2 = p2*Snooker.loc[2*i+1, 'H']*Snooker.loc[2*i+1, 'C']*(w2-E2)
33.     player.loc[player.loc[:, 'Name']==n1, 'new_rank'] += round(add1)
34.     player.loc[player.loc[:, 'Name']==n2, 'new_rank'] += round(add2)
35. player.to_excel('Snooker_player2007_result.xlsx')

```