**Golf - Professional Golfers Association Tour**

**Introduction:**

Performance statistics and winnings for male professional golfers on the PGA from 2010 to 2018 seasons.

The data set you will use contains 1674 rows and 18 columns. Each row indicates a golfer's performance for that year.

I have selected 80% random sample of the original dataset.

**The task given in this assignment is to answer the following question:**

**“Which skills are good predictors that individual male golfers need in order to gain more total winnings (Money)?**

You are tasked with ***building a multiple linear regression model***, to predict the target variable (i.e. ‘Money’) in order to answer this question.

**Variable Description:**

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| **Variable Name** | **Description** |
| Player Name | Name of the golfer |
| Rounds | The number of games that a player played |
| Fairway Percentage | The percentage of time a tee shot lands on the fairway |
| Year | The year in which the statistic was collected |
| Avg Distance | The average distance of the tee-shot |
| gir | (Green in Regulation) is met if any part of the ball is touching the putting surface while the number of strokes taken is at least two fewer than par |
| Average Putts | The average number of strokes taken on the green |
| Average Scrambling | Scrambling is when a player misses the green in regulation, but still makes par or better on a hole |
| Average Score | Average Score is the average of all the scores a player has played in that year |
| Points | The number of FedEx Cup points a player earned in that year. These points can be earned by competing in tournaments. |
| Wins | The number of competitions a player has won in that year |
| Top 10 | The number of competitions where a player has placed in the Top 10 |
| Average SG Putts | Strokes gained: putting measures how many strokes a player gains (or loses) on the greens. |
| Average SG Total | The Off-the-tee + approach-the-green + around-the-green + putting statistics combined |
| SG OTT | Strokes gained: off-the-tee measures player performance off the tee on all par-4s and par-5s. |
| SG APR | Strokes gained: approach-the-green measures player performance on approach shots. Approach shots include all shots that are not from the tee on par-4 and par-5 holes and are not included in strokes gained: around-the-green and strokes gained: putting. Approach shots include tee shots on par-3s. |
| SG ARG | Strokes gained: around-the-green measures player performance on any shot within 30 yards of the edge of the green. This statistic does not include any shots taken on the putting green. |
| Money | The amount of prize money a player has earned from tournaments |

**References:**

<https://www.pgatour.com/stats.html>.