

Name \_\_\_\_\_

Email \_\_\_\_\_

## Reading Quiz for Sheather Chapter 6

1. Download the file “pgatour2006.csv” from Canvas, week05 folder in the files area, and read it into R.

There are 11 numerical variables in this data set. Which variables need to be transformed so that they are more nearly normally distributed (or at least symmetric & unimodal)? Fill out the following table<sup>1</sup>:

- TigerWoods

- Transform? (yes/no) \_\_\_\_\_

- Justify your answer: \_\_\_\_\_

- If yes, what transformation? \_\_\_\_\_

- PrizeMoney (average prize money per tournament)

- Transform? (yes/no) \_\_\_\_\_

- Justify your answer: \_\_\_\_\_

- If yes, what transformation? \_\_\_\_\_

- AveDrivingDistance

- Transform? (yes/no) \_\_\_\_\_

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<sup>1</sup>The variable “PrizeMoney” is the average prize money per tournament for each player. The other variables are features of the tournament and/or each player’s performance.

– Justify your answer: \_\_\_\_\_

– If yes, what transformation? \_\_\_\_\_

- DrivingAccuracy

– Transform? (yes/no) \_\_\_\_\_

– Justify your answer: \_\_\_\_\_

– If yes, what transformation? \_\_\_\_\_

- GIR

– Transform? (yes/no) \_\_\_\_\_

– Justify your answer: \_\_\_\_\_

– If yes, what transformation? \_\_\_\_\_

- PuttingAverage

– Transform? (yes/no) \_\_\_\_\_

– Justify your answer: \_\_\_\_\_

– If yes, what transformation? \_\_\_\_\_

- BirdieConversion

– Transform? (yes/no) \_\_\_\_\_

– Justify your answer: \_\_\_\_\_

– If yes, what transformation? \_\_\_\_\_

- Scrambling

– Transform? (yes/no) \_\_\_\_\_

– Justify your answer: \_\_\_\_\_

– If yes, what transformation? \_\_\_\_\_

- BounceBack

– Transform? (yes/no) \_\_\_\_\_

– Justify your answer: \_\_\_\_\_

– If yes, what transformation? \_\_\_\_\_

- PuttsPerRound

– Transform? (yes/no) \_\_\_\_\_

– Justify your answer: \_\_\_\_\_

– If yes, what transformation? \_\_\_\_\_