

Warmup 2

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0.3

a

The observational units are the games observed.

Quantitative variables include:

- Time to complete the game
- Number of runs scored
- Margin of victory
- Number of Pitchers used
- Ballpark attendance at the game

Categorical variables include:

- Which league teams are in

The response variable is the time it takes to complete the game. The rest of the variables are explanatory.

b

The observational units are the putts.

The quantitative explanatory variable is the length of the putt. The categorical response variable is whether or not he made the putt.

c

Drew Brees' games are the observational units. Here, it is not clear what the response variable or explanatory variables are, since the students are just recording information. All of the variables are quantitative.

0.15

a

54 miles per hour.

b

61.6 miles per hour.

c

7.6 miles per hour.

$$S = 54 + 7.6 + \epsilon$$

$$W = 54 + \epsilon$$

$$S - W = 7.6$$