Homework Rubric Template
Econ 145: Data Wrangling in R

Michael Topper

Rubric

Some general advice for the TAs writing the TAs.

- Assignment Total Points: 100

- Coding Portion Points: 65

- Write up: 35

Part 1: Coding Portion

1. (6 points) Points are awarded on an all-or-nothing scale. The students must have 3 tibbles (or data frames) with these names and their variable names cleaned with `clean_names` from the `janitor` package.

2. (9 points)

   a) (3 points) Must have correct primary key of "players"
   b) (3 points) 1 point awarded for each correct key they have. I believe they need 3 keys to uniquely identify. My keys I have are: "name", "year_start", "weight", "height", "college"
   c) (3 points) 1 point awarded for each correct key they have *in addition to* the player key. For instance, they need to have "year", "age", and "tm" to get full credit..

3. (25 points)

   a) (4 points) 1 point for each column correct.
   b) (7 points) Graded by TA. Graph must be a histogram of ppg (2 points), contain a red dashed vline (2 points), axis labeled (2 points), and title (1 point).
   c) (3 points) 3 points for the correct answer.
   d) (3 points) 3 points for the correct tibble/data frame.
   e) (4 points) 4 points for correct answer.
   f) (4 points) 4 points for correct answer.

4. (25 points) All of this question is all-or-nothing.

   a) (5 points)
   b) (5 points)
   c) (5 points)
   d) (5 points)
   e) (5 points)

5. (No points) This is only here for instructional purposes.

Part 2: Write up

There are two portions to this write up:

- 2c from previous portion which is worth 7 points. (see above)
- The written portion which is worth 35 points.

Components to be graded:

- (10 points) Includes at least 1 other graph explaining how at least one (e.g. Kobe, Lebron, or Jordan) are outstanding for their time period.

    - (minus 2 point) If the graph has no axis or title.
    - (minus 2 points) If the graph is not clear at all.
    - (minus 1 point) If the graph is a subset of the 2c graph (e.g. they did the same graph but filtered for the player of choice)

- (10 points) Includes a statistical comparison between Kobe, Jordan, and Lebron. This can anything from best points per game, assists per game, highest scoring games etc. All evidence must come from the data.

    - (minus 5 points) If their writing contains significant grammatical errors and is difficult to understand.
    - (minus 5 points) If they provide no comparison using statistical analysis.

- (5 points) Overall presentation (e.g. logical flow, polish)

- (10 points) For completion.