

Homework 1

Fall 2016, Math 107, Prof. Adam Loy

Due Friday, September 16 by 4:00 p.m.

Problem 1

The Happy Planet Index (HPI) is an alternative measure of the well-being of people within countries that was developed by the New Economics Foundation. The `hpi.csv` data set contains the most recent index and supporting data. Download this data set from the course webpage and use it to answer the following.

- a. Identify the cases.
- b. Identify the variables.
- c. Classify each variable as either quantitative or categorical.
- d. Why is the data set tidy?

Problem 2

USA Today maintains a data base of Major League Baseball player salaries (<http://www.usatoday.com/sports/mlb/salaries/2016/player/all/>).

Answer the following questions about this data set.

- a. Identify the cases.
- b. Identify the variables.
- c. Classify each variable as either quantitative or categorical.
- d. Why is the data set not tidy?