Check this out:

<https://www.kaggle.com/selfishgene/psychology-of-a-professional-athlete>

<https://www.kaggle.com/khozzy/kobe-shots-show-me-your-best-model>

Tasks:

* Cross validate (instead of uploading to Kaggle every time). Look at codes on google.
* Choose features:
  + Naively guess good features
  + Create features:
    - ~~Distance from basket~~
    - ~~Home game~~
    - ~~Combine second+minutes to create (in sec):~~
      * ~~Till end of per~~
      * ~~From beg of per~~
      * ~~From beg of game~~
    - ~~Day of week~~
    - ~~Time of year (in what units?)~~
  + ~~Play with RFE, or other codes~~
  + ~~PCA (normalize axes first)~~ – Does not appear to be good
  + ~~LDA?~~
  + ~~Log Regression~~
* ~~Code for non-leakage~~
* Checking again on Kaggle
* Try and improve

ADD graphs:

* Plots:
  + Bar : rfe grades to feature
  + LDA grade xLR grade plot
  + P(basket) x values of 1st feature
  + Color intensity : plot every one of 5000 shots test (using x\_loc and y\_loc), intensity of color = probs to score.

