

ASSIGNMENT 4
FEATURE ENGINEERING STUDIO
PROFESSOR RYAN S.J.d. BAKER
FEATURE ENGINEERING 2
“BRING ME A ANOTHER ROCK”
DUE IN CLASS, MONDAY OCTOBER 7

The goal of this assignment is to do additional feature engineering based on what you learned in class.

Step 1: Open your data in Excel

Step 2: Create some more features that may explain your ground truth variable

- At least 12 separate features that are not just variations on a theme
- Features must be distinct from assignment 3 features (and not just variations on those themes)
- At least 4 features must involve different Excel functionality (or other functionality) than you used in assignment 3
 - The new functionality doesn't have to be a function; each of the types of features I discussed on September 30 in an individual slide counts, for example

Step 3: For each feature

- Write a 1-3 sentence “just so story” for why it might successfully predict the ground truth variable
- Briefly explain (where applicable) the new Excel capacities (or other capacities) you used

Step 4: For each feature

- Test how good the feature is

Step 5: Which of your “just so stories” seem to be correct? Did any of your feature correlate in the opposite direction from what you expected?

Step 6: Email me your report and your excel sheet