

**ASSIGNMENT 6**  
**FEATURE ENGINEERING STUDIO**  
**PROFESSOR RYAN S.J.d. BAKER**  
**FEATURE ADAPTATION**  
**“THIS ONE’S FOR NIKOLAI IVANOVICH LOBACHEVSKY”**  
**DUE IN CLASS, MONDAY OCTOBER 14**

The goal of this assignment is to adapt a feature previously created by someone else.

Step 1: Find a paper where someone created a feature that might be useful for you

- See notes in class about what to do if you can't find a paper

Step 2: Build that feature (or something very similar) for your data set

Step 3: Test that adapted feature's goodness

Step 4: Create a 5-minute presentation, and deliver it in class

- This presentation should discuss
  - The paper you drew inspiration from
  - Give a full citation and show us pictures of as many authors as you can find
  - The construct being predicted in this paper
  - The context/data set in this paper
  - The feature you decided to adapt
  - The feature you ended up creating
  - Differences between the original paper's feature and your feature
  - The goodness of your feature in your data set