# ML-Exercise-1 TODO

* > 30 slides with tables & diagrams (report optional)
* Discussion End of November
* 4 Datasets
  + Bike Sharing
  + Student Performance
  + Online News Popularity
  + Computer Hardware
* 4 regression techniques
  + scikit-learn
    - linear regression
    - lasso regression
    - knn
    - decision trees
    - Bayes
* compare different parameters
* compare datasets based on different techniques
* evaluate effect of pre-processing (different strategies for missing values, feature scaling)
* Discussion
  + Characteristics of data & pre-processing
  + Characteristics of regression techniques
  + Why we chose these datasets/techniques
  + Which parameters we chose
  + Which evaluation and performance metrics we used
  + Discuss results and compare them (tables, figures)
  + Discuss code