

## Goal

Provide 3 possible capstone projects that can be used for capstone project #1.

## Potential ideas

1. Predict the relevance of search results on homedepot.com
  - a. <https://www.kaggle.com/c/home-depot-product-search-relevance/data>
2. Create a model to predict whether a customer will churn based on past history.
  - a. Logistic regression - Solve this problem in the curriculum
  - b. 10.1 section 6
  - c. <https://www.kaggle.com/blastchar/telco-customer-churn>
3. Predict machine failure based on log data.
  - a. <https://www.kaggle.com/c/predictive-maintenance1/data>
4. Create a model to understand if the weather or food inspections on local restaurants have an impact on Google Reviews. Is there a correlation between how happy customers are with regard to the weather and overall 'health' of the restaurant.
  - a. <https://data.austintexas.gov/Health-and-Community-Services/Food-Establishment-Inspection-Scores/ecmv-9xxi>
  - b. <https://www.kaggle.com/grubenm/austin-weather>
  - c. <https://developers.google.com/places/web-service/search>
  - d. <https://developers.google.com/places/web-service/details>