Presentation

* Presentation
  + Outline
    - Introduce the problem (clearly state your question)
    - Detail your data source(s), features, and label
    - Data exploration
    - How the experiment was conducted
    - Results of your chosen model
    - Conclusion - restate the question and how your model answers it
      * Highlight important insights (even if they seem obvious to you)
    - Next steps / future work
    - Have more detailed backup slides to refer to if there’s interest
  + Design Resources
    - Font Squirrel (for fonts)
    - Noun Project (for icons)
    - Kuler (for colors)
* Visuals
  + Feature selection
    - Feature exploration plots (where you were able to gain some intuition)
      * Plot sorted residuals
  + Illustrate model selection
    - Explanation
      * Coefficients plot
    - Prediction
      * Feature selection / good fit
        + Show fit line vs. actual data points:

plt.scatter(x,y)

plt.plot(x, results.predict(pd.DataFrame(df['X'])), color='blue',linewidth=3)

* + - Classification
      * [Confusion Matrix](http://scikit-learn.org/stable/modules/generated/sklearn.metrics.confusion_matrix.html)
        + Class balance & multiple classes
      * ROC AUC
        + <http://scikit-learn.org/stable/auto_examples/model_selection/plot_roc.html>
      * Decision tree
        + Show decision tree
      * Decision Tree, Random Forest (Logistic Regression)
        + [Feature importance](http://scikit-learn.org/stable/auto_examples/ensemble/plot_forest_importances.html)
      * Precision / Recall table (Precision, Recall, F1, Support)
        + [Classification Report](http://scikit-learn.org/stable/modules/generated/sklearn.metrics.classification_report.html)

Deployment

* AWS / Flask
* D3