

Week 8: Models Building and Validation

Download “lab8_Models.ipynb” to experiment with various python libraries to calculate accuracy measures, build linear and non-linear models using scikit-learn library, and cross validation generators.

Attempt the annual sales in a given restaurant prediction Kaggle Challenge:

<https://www.kaggle.com/c/restaurant-revenue-prediction>

Post your findings in Surrey Learn Lab Discussion Forum.

To experiment with Hierarchical models and A/B Testing in Python, try to install pymc to trace the following post:

<https://blog.dominodatalab.com/ab-testing-with-hierarchical-models-in-python/>

It is based on Cam Davidson-Pilon great book on Bayesian models in PyMC:

<http://camdavidsonpilon.github.io/Probabilistic-Programming-and-Bayesian-Methods-for-Hackers/>

and the free online course on A/B Testing:

<https://www.udacity.com/course/ab-testing--ud257>