Machine Learning Engineer (Basic) Syllabus

Contact Info

While going through the program, if you have questions about anything, you can reach us at support@udacity.com. For help from Udacity Mentors and your peers visit the Udacity Classroom.

Nanodegree Program Info

Version: 4.0.0

Length of Program: 106 Days*

This is a self-paced program and the length is an estimation of total hours the average student may take to complete all required coursework, including lecture and project time. Actual hours may vary.

Part 1: Statistics

Project: Test a Perceptual Phenomenon

Compute descriptive statistics and perform a statistical test on a data set based on a psychological phenomenon, the Stroop Effect.

Part 2: Programming Foundation

Project: Create a Movie Trailer Website

You will write code to store a list of your favorite movies, including box art imagery and a movie trailer URL. You will then use your code to generate a static web page allowing visitors to browse their movies and watch the trailer.

Supporting Lessons

Lesson	Summary
Movie Website Creation	Make a movie website using the concept of classes in Python as well as your understanding of HTML & CSS.
Advanced Class Making	Learn about advanced ideas in Object Oriented Programming like class variables, inheritance, reusing methods, and method overloading.

Part 3: Math

Project: Linear Regression

Part 4: Data Analysis

Project: Investigate a Dataset

Choose one of Udacity's curated datasets, perform an investigation, and share your findings.

Part 5: Evaluation and Validation

Project: Predicting Boston Housing Prices

Now that you've covered model evaluation and validation, let's build a model that can predict Boston housing prices.

Udacity

Generated Thu Oct 17 22:17:12 PDT 2019