Data Analyst Nanodegree 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: 11.0.0

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: Welcome to the Nanodegree program!

Welcome to the program! In this part, you'll get an orientation into using our classroom and services. You'll also get advice for making the best use of your time while enrolled in this program.

Project: Explore Weather Trends

In this project, you will analyze local and global temperature data and compare the temperature trends where you live to overall global temperature trends.

Part 2: Introduction to Data Analysis

Learn the data analysis process of questioning, wrangling, exploring, analyzing, and communicating data. Learn how to work with data in Python using libraries like NumPy and Pandas.

Project: Investigate a Dataset

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

Part 3: Practical Statistics

Learn how to apply inferential statistics and probability to important, real-world scenarios, such as analyzing A/B tests and building supervised learning models.

Project: Analyze A/B Test Results

You will be working to understand the results of an A/B test run by an e-commerce website. Your goal is to work through to help the company understand if they should implement the new page design.

Project: Optimize Your GitHub Profile

Other professionals are collaborating on GitHub and growing their network. Submit your profile to ensure your profile is on par with leaders in your field.

Part 4: Data Wrangling

Learn the data wrangling process of gathering, assessing, and cleaning data. Learn how to use Python to wrangle data programmatically and prepare it for deeper analysis.

Project: Wrangle and Analyze Data

Gather data from a variety of sources and in a variety of formats, assess its quality and tidiness, then clean it. Showcase your wrangling efforts through analyses and visualizations.

Project: Improve Your LinkedIn Profile

Find your next job or connect with industry peers on LinkedIn. Ensure your profile attracts relevant leads that will grow your professional network.

Part 5: Data Visualization

Learn to apply sound design and data visualization principles to the data analysis process. Learn how to use analysis and visualizations to tell a story with data.

Project: Communicate Data Findings

Choose a dataset, either your own or a Udacity-curated dataset, and perform an exploratory data analysis using Python. Then, create a presentation with explanatory plots that conveys your findings.

Part 6: Congratulations and Next Steps

Udacity

Generated Thu Jul 9 14:42:50 PDT 2020