Data Science Immersive

In this 10-week certificate, students will learn all the necessary skills to become data scientists. This immersive course teaches students the programmatic side of data science using Python and SQL. Additionally, students will be taught all the necessary mathematical foundations to data science such as statistics, probability, and linear algebra. After completing this certificate, students will be able to apply for the following roles: data scientist, data analyst, business analyst, and many more. Noble Desktop will support students in their effort to find jobs by helping students with resume, interview prep, and introducing students to companies looking to hire engineers.

Group classes in NYC and onsite training is available for this course. For more information, email class@programwithus.com or visit: https://www.programwithus.com/classes/data-science-immersive-nyc

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Course Outline

Basic Data Analysis

- Measures of Central Tendency
- Measures of Position
- Measures of Dispersion
- The Normal Curve
- Descriptive Statistics

Predictive Analytics I

- Forecasting
- Series Forecast

Data Visualization I

- Charts
- Icon Sets
- Histograms
- Moving Average

Predictive Analytics

- Correlation
- Regression - overview
- Regression - analysis
- Linear regression
- Multiple regression

Probability

- Probability I
- Probability II
- Binomial Probability
- Poisson Probability

Prescriptive Analytics I

- What If Analysis
- Data Table (3 variables)
- Scenario Manager
- Scenario Manager - Pivot

Data Visualization II

- Sparklines
- Color Scales
- Drawing Shapes
- Pivot Tables
- Pivot Charts

Prescriptive Analytics II

- Solver - overview
- Linear Programming
- The Solver model
- Non-Linear Programming
- Evolutionary Solver