

DS-101 Course Syllabus

Month 1 - Basic Python

- Week 1
 - Numbers
 - Strings
 - Lists
- Week 2
 - Numpy
 - Matplotlib
 - Dictionaries
- Week 3
 - Pandas Series
 - Pandas Dataframes
 - Conditionals
- Week 4
 - Looping
 - Custom Functions

Month 2 - Data Analysis

- Week 1
 - EDA - Reading, Cleaning and Validating Data
 - EDA - Distributions
- Week 2
 - EDA - Correlations
 - Intermediate Pandas - Advanced Indexing
- Week 3
 - Intermediate Pandas - Reshaping data
 - Intermediate Pandas - Grouping
- Week 4
 - Data Visualization Project

Month 3 - Data Modeling

- Week 1
 - Classification
 - Regression
- Week 2
 - Model Tuning
 - Cross Validation
 - Model Pipelines
- Week 3
 - Clustering
 - Principal Component Analysis
- Week 4
 - Final Project