



METIS

Data Science Using Python

Course Intro

Course Agenda

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Agenda



- Python basics
- EDA with Pandas and Matplotlib
- Intro to Machine Learning



Course Learning Objectives

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Learning objectives



Be able to

- Leverage Python for Data manipulation and EDA
- Gain understanding of underlying concepts of popular machine learning algorithms
- Implement and evaluate new machine learning models

Data Manipulation in Python

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- Review of Python basics
- Data Manipulation using Pandas
- EDA using matplotlib and seaborn



SUPERVISED LEARNING

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- EDA and feature engineering
- Model Tuning and Selection
- KNN
- Decision Trees
- Classification Error Metrics
- Ensemble Methods
- SVMs

QUESTIONS?

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