* Understand how data analysts and scientists gather and analyze data
* Perform data analysis and data wrangling in Python
* Combine, group, and aggregate data from multiple sources
* Create data visualizations with pandas, matplotlib, and seaborn
* Apply machine learning algorithms with sklearn to identify patterns and make predictions
* Use Python data science libraries to analyze real-world datasets.
* Use pandas to solve several common data representation and analysis problems
* Collect data from APIs
* Build Python scripts, modules, and packages for reusable analysis code.
* Utilize computer science concepts and algorithms to write more efficient code for data analysis
* Write and run simulations