New Horizons: Data Analyst with VBA

This learning package focuses on Excel's VBA, a powerful tool for multitude of purposes. It also focuses on BigML, a simple, programmable, and scalable Machine Learning platform. You will also learn data analysis using Python and the most popular Pandas library.

Content:

E-learning collections and courses (20 hours+)

- Automating Excel and Access Using VBA
    - Getting Started with VBA in Excel
    - Building User Interfaces with Forms in VBA & Excel
    - Leveraging VBA to Work with Charts, Stocks, & MS Access
- Using BigML
    - An Introduction to Machine Learning & BigML
    - Getting Hands-on with BigML
    - Building Supervised Learning Models
    - Unsupervised Learning
- Analyzing Data Using Python
    - Data Analytics Using Pandas
    - Importing, Exporting, & Analyzing Data with Pandas
    - Analyzing Data Using Python: Filtering Data in Pandas
    - Cleaning & Analyzing Data in Pandas
- Wrangling Excel Data with Python
    - Excel with Python: Working with Excel Spreadsheets from Python
    - Excel with Python: Performing Advanced Operations
    - Excel with Python: Constructing Data Visualizations

Online Mentor

- You can reach your Mentor by entering chats or submitting an email.

Final Exam assessment

- Estimated duration: 90 minutes.

Practice Labs: Data Analyst (estimated duration: 8 hours)

- Perform Data Analyst tasks such as using VBA in Excel to manage rows and work with charts, handling data with BigML, and performing training and classification. Then work with pandas Series and DataFrames objects, manage data in DataFrames, work with pivot tables and manage duplicates in data and summarize data. This lab provides access to tools typically used by Data Analysts, including: - Microsoft Excel 2016 - Power BI Desktop - Tableau Desktop - MariaDB - Anaconda.