AHA! Activity Health Analytics

Course Modules
1. Python for Data Analytics
2. Working with Activity and Health Data
3. Activity Change Detection

1. Python for Data Analytics

L1-1. Environment Setup

L1-2. Jupyter Notebook

L1-3. Numpy and Scipy

L1-4. Pandas Series

L1-5.Pandas DataFrame

L1-A. Appendix A: Python 3

L1-B. Appendix B: Data Structures

L1-C. Appendix C: Markdown and Latex

PA1. Assignment: Pandas and K-Means

2. Working with Activity & Health Data

L2-1. Cleaning

L2-2. Hierarchical Indexing

L2-3. Visualization

L2-4. Aggregation

L2-5. Time Series

PA2. Programming Assignment: Clinical Data Aggregation

3. Activity Change Detection

L3-1. Fitbit Activity Data

L3-2. Activity Density Maps

L3-3. Physical Activity Change Detection

L3-4. Virtual Classifier: Part 1

L3-5. Virtual Classifier: Part 2

PA3. Assignment: Daily Change Scores