1. Data Mining introduction
   * Introduction and data mining definition
   * Data Science vs Data Mining vs BI
   * Data Mining Tasks
   * Python (Introduction and Built-in function)
2. Data Understanding and data mining methodology
   * Data Understanding & Data type
   * Data mining methodology
   * Python (Pandas, Numpy)
3. Data per – processing
   * Data import / integration
   * Data cleaning
   * Missing data
   * Data transformation
   * Dimension Reduction
   * Python (Sklearn, Matplotlib)
4. Cluster Analysis
   * Hierarchical Clustering
   * KMeans
5. Association Rule
6. Linear and Logistic regression
7. Bayesian learning systems and Instance-based learning and classification.
8. Regression and classification trees
9. Neural networks and Ensemble classifiers

Download Anaconda

Github Repository:<https://github.com/Gost2017/Data_Mining.git>

1. Visit [Anaconda.com/downloads](https://www.anaconda.com/products/distribution)
2. Download the .exe installer
3. Open and run the .exe installer

At the Advanced Installation Options screen, I recommend that you do not check "*Add Anaconda to my PATH environment variable*"

1. Open the Anaconda Prompt from the Windows start menu

[*https://problemsolvingwithpython.com/01-Orientation/01.03-Installing-Anaconda-on-Windows/*](https://problemsolvingwithpython.com/01-Orientation/01.03-Installing-Anaconda-on-Windows/)