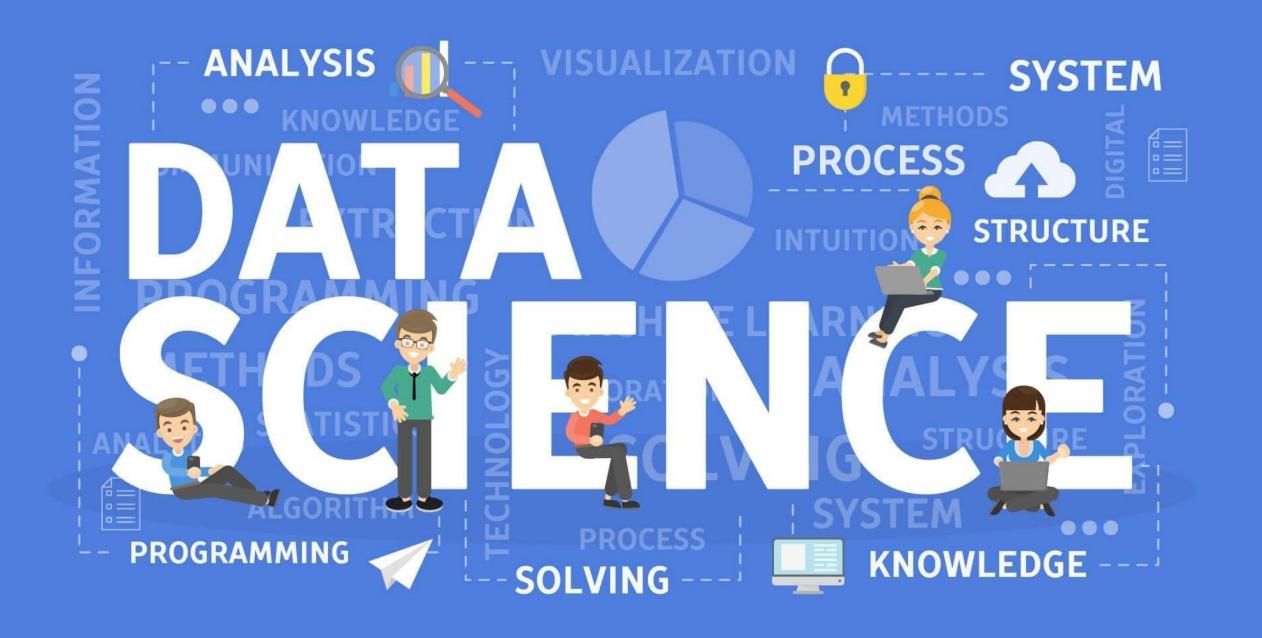
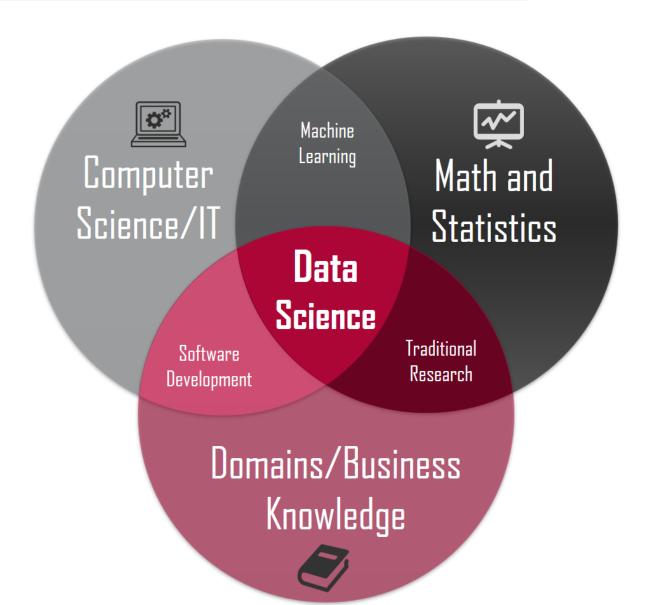
Data Science Roadmap





What is Data Science?



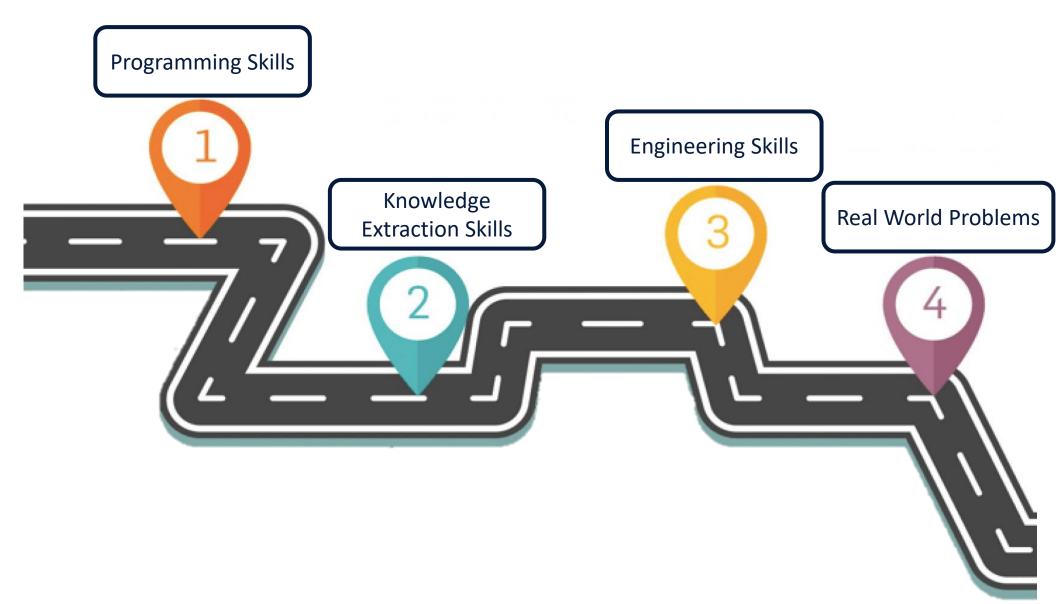


HOW TO BECOME A SCIENTIST



How to Become a Data Scientist?





Programming Skills



Programming Skills











Programming Skills: Python













Programming Skills: R





Programming Skills: SQL





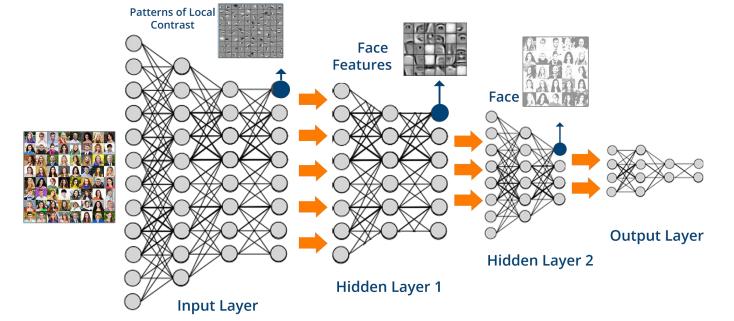
Knowledge Extraction Skills



Knowledge Extraction Skills











Knowledge Extraction Skills: Data Analytics



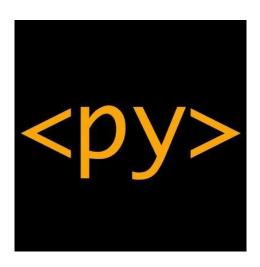
Outlier Detection

Data Visualization



Statistical Analysis

Data Preprocessing



Knowledge Extraction Skills: Machine Learning



Mathematics for Machine Learning

Dimension Reduction

Supervised Learning Algorithms

Unsupervised Learning Algorithms

Semi-Supervised Learning Algorithms Ensemble Learning Algorithms

Knowledge Extraction Skills: Deep Learning



Single Neuron



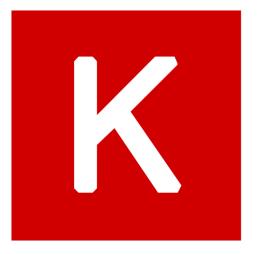
Multilayer Perceptron

Special Networks

Convolutional Neural Networks

Recurrent Neural Networks





TensorFlow

Knowledge Extraction Skills: Data Mining





Engineering Skills



Engineering Skills



WEB SCRAPING

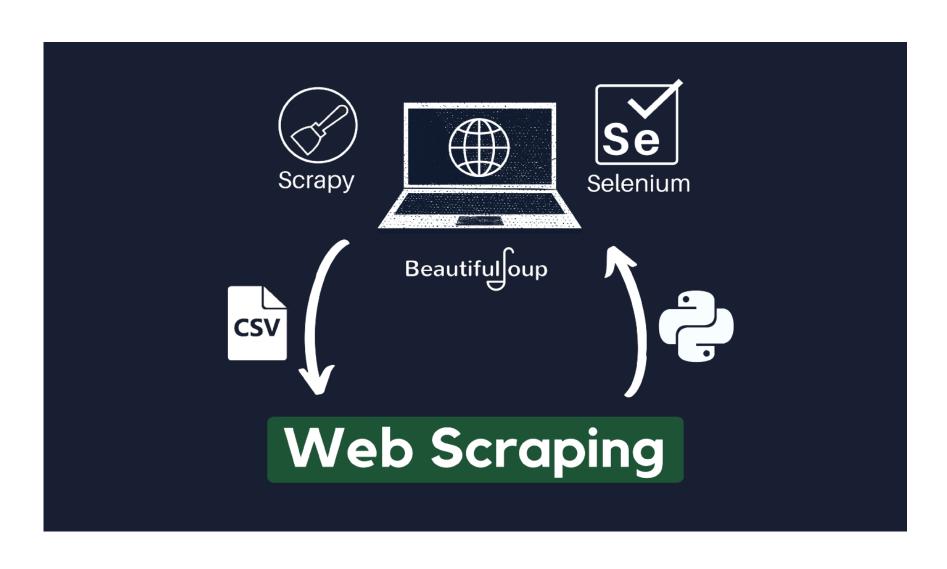






Engineering Skills: Web Scraping

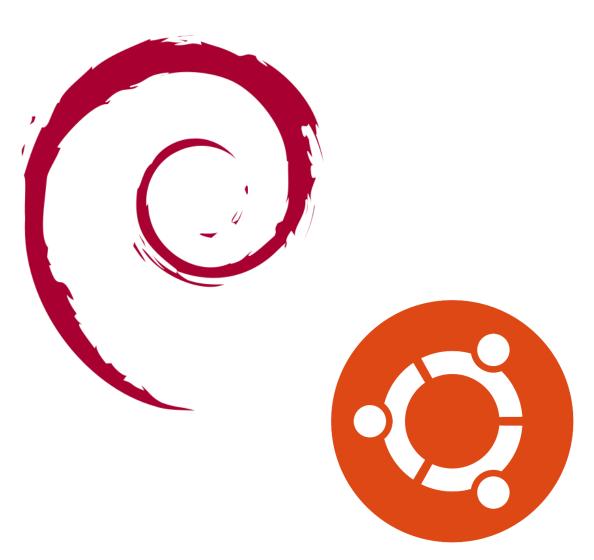




Engineering Skills: Git & Linux







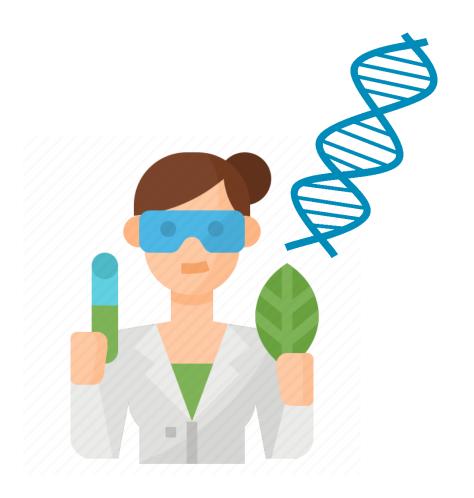
Real World Problems



Real World Problems:







Thank you for your Attention!