

TOOLS FOR DATA SCIENCE

NOTEBOOKS

- **OFFLINE NOTEBOOKS**

Anacoda Jupyter

Enthought canopy

- **ONLINE NOTEBOOKS**

Google Colab

Microsoft Azure Notebooks

FRAMEWORKS / LIBRARIES

DATA SCIENCE /ANALYSIS

- **NUMPY**

fundamental package for scientific computing with Python

- **PANDAS**

Easy-to-use data structures and data analysis tools for the Python

DATA VISUALIZATION (BASIC LIBRARIES)

- **MATPLOTLIB**

Python 2D plotting library

- **SEABORN**

Statistical data visualization

- **PANDA VISUAL**

DATA VISUALIZATION (ADVANCED LIBRARIES)

- **PLOTLY**

Interactive graphing library for Python

MODERN ANALYTIC WEB APPS & DASHBOARD

- DASH

MACHINE LEARNING

- **SKLEARN**

Machine learning library for the Python

- **MLLIB**

Apache Spark's scalable machine learning library.

DEEP LEARNING (NEURAL NETWORK)

- **TENSORFLOW**

An end-to-end open source machine learning platform.

- **PYTORCH**

An open source machine learning framework that accelerates the path from research prototyping to production deployment

- **KERAS**

The Python Deep Learning library

- **FAST AI**

Deep learning library

NATURAL LANGUAGE PROCESSING (NLP)

- **NATURAL LANGUAGE TOOLKIT (NLTK)**

leading platform for building Python programs to work with human language data

- **SPACY**

Industrial-Strength Natural Language Processing

AI PLATFORMS

- **GOOGLE MACHINE LEARNING**
- **AZURE MACHINE LEARNING**

- **MACHINE LEARNING ON AWS**
- **IBM WATSON MACHINE LEARNING**