

Project sequence

ML project sequence

Data Collection

- Survey
- Collect from websites (web scraping)
- Find ready-made datasets (GitHub, Kaggle)
- From client

Familiarization with Data

- Place files and datasets in the same location (side by side)
- Install Pandas
- Import Pandas
- Load data correctly
- View first/last rows (`head / tail`)
- Input / Output operations
- Remove unnecessary data

ML project sequence (Part 2)

Data Preprocessing (Preparing the data)

Model Selection (Choosing the model)

Model Training (Training the model) — 70%

Model Prediction (Making predictions)

Model Evaluation (Assessing performance) — 15%

Model Testing (Testing the model) — 15%

Model Deployment (Deploying the model)

Model Maintenance / Monitoring (Maintaining and monitoring the model)

Data Preprocessing

- Mean
- Mode
- Median
- Fixed

Libraries

Pandas

- **Data Entry** (Inputting data)
- **Familiarization with Data** (Getting to know the data)
- **Data Transformation and Cleaning** (Modifying and cleaning the data)
- **Data Analysis** (Analyzing the data)

Numpy

- **Statistics and Mathematical Management**
- **Mathematical Analysis and Calculations**

Matplotlib

- **Graphs / Charts**
- **Designs**

Seaborn

- **Displaying statistical data in various ways (in a visual format)**

Scikit-learn

- **ML Training**
- **Executing the stages of an ML project**