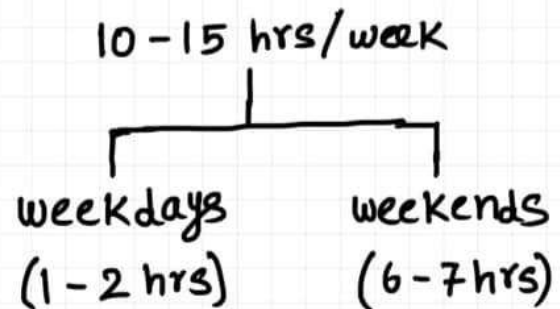# 180 DAYS
# DATA
# SCIENCE
# STUDY
# PLAN

···— DATA SCIENCE JOURNEY —···

# DATA SCIENCE STUDY PLAN

## PREREQUISTIES:

- Laptop (4 GB RAM)
- Internet
- Resources

## PREPARATION TIME:

10 - 15 hrs/week

weekdays (1 - 2 hrs)   weekends (6 - 7 hrs)

## 1ST MONTH

Day 1-15  -  Learn Python for Data Science.

Day 16-30  -  Master Statistics for Data Science.

## 2ND MONTH

Day 31-45  -  Explore Python Packages (Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn).

Day 46-60  -  Implement EDA on real-world datasets.

## 3RD MONTH

Day 61-75  -  Focus on ML algorithms (Linear & Logistic regression, Decision Trees, Random Forest).

Day 76-90  -  Implement ML prediction algorithm on real-world datasets.

# DATA SCIENCE STUDY PLAN

## 4TH MONTH

**Day 91 - 105 -** Focus on un-supervised ML algorithms (clustering, Principal Component Analysis).

**Day 106 - 120 -** Learn Apriori algorithm, Recommender System, Anamonly Detection).

## 5TH MONTH

**Day 121 - 135 -** Ensemble learning, Stacking, Optimization techniques, Model deployment.

**Day 136 - 150 -** Implement a deployable ML algorithm on real problems & datasets.

## 6TH MONTH

**Day 151 - 180**
1. Build GitHub profile.
2. Build Strong Portfolio.
3. Write well-researched articles on Medium, LinkedIn, Blogs).