

# 180 DAYS DATA SCIENCE STUDY PLAN

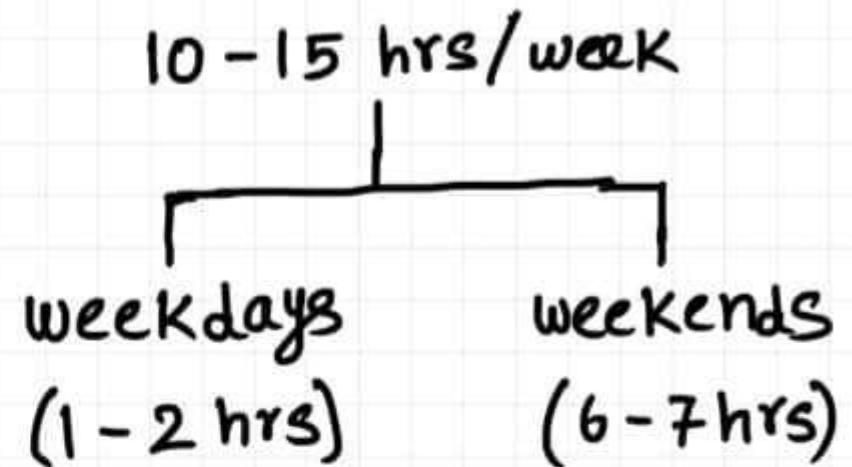
... — DATA SCIENCE JOURNEY — ...

# DATA SCIENCE STUDY PLAN

## PREREQUISITIES:

- Laptop (4 GB RAM)
- Internet
- Resources

## PREPARATION TIME:



## 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).