

## **Data Science Roadmap** by Apna College

### **Step1 : Learn a Language ([Learn Python](#))**

Python is recommended to learn.

- a. Learn basics (variables, if-else conditionals, loops)
- b. Learn numpy
- c. Learn pandas

### **Step 2: Learn Math ([Learn Math](#))**

- a. Statistics : (mean, median, mode, variance, standard deviation, basics of graphs etc.)
- b. Linear Algebra (matrices, vectors, eigen values etc.)
- c. Calculus (limits, continuity, dy/dx etc.)
- d. Probability (distribution, bayes theorem etc.)

### **Step 3: Learn Data Visualization**

- a. Learn Matplotlib/Seaborn
- b. Basics of Excel
- c. Some Advanced Tools : Tableau, Power BI

### **Step 4 : Learn Machine Learning**

How to learn ML : [ML Roadmap](#)

### **Step 5: Build Projects**

Start using Kaggle : [Go to Kaggle](#)

During this journey : You will also need to learn tools & technologies like :

- a. SQL : [Free SQL Course](#)
- b. Git & Github : [Complete Git Tutorial](#)

Hope you find this information useful in your journey ahead!  
Till then keep learning & keep exploring :)