## greatlearning Power Ahead

**Week 2:** Advanced Statistics (Total video duration= 3.67 hours. You will be required to spend 60 minutes/day along with practicing datasets and quizzes)

- Mentor Session Duration: 2 hours
- Faculty Name: Ms. Sarita Upadhya
- Number of videos: 11

## **Learning Outcomes from the Module:**

After learning from this module, learners will be able to understand:

1 {

Concepts of EDA

2

Data Preprocessing and Preparation



• Data Visualization



Case study

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Mentor Session Duration: 2 Hours	Faculty Name: Ms. Sarita Upadhya		No. of videos: 11
Video Name	Duration of the video	Topics Covered	Conceptual or Hands On
EDA Introduction & Data Pre-Processing	00:19:37	What is EDA? Bad data? Data Preprocessing	Conceptual
Python Hands-on - Data Description	00:11:33	Python hands-on example using referral data	Hands-on
Python Hands-on - Data Pre-processing	00:16:00	Python hands-on example using referral data	Hands-on
Data Visualization and Data Preparation	00:22:23	What is Data Visulisation? Univariate, Bivariate and Multivariate Analysis Data Scaling, Transformation	Conceptual
Python Hands-on - Data Visualization	00:25:27	Python hands-on example using referral data	Hands-on
Python Hands-on - Data Preparation	00:40:52	Python hands-on example using referral data	Hands-on
Case Study – Customer Credibility Part I	00:12:01	Python hands-on Customer Credit Default case study	Hands-on
Case Study – Customer Credibility Part II	00:31:06		Hands-on
Case Study – Customer Credibility Part III	00:12:18		Hands-on
Case Study – Customer Credibility Part IV	00:16:40		Hands-on
Case Study – Customer Credibility Part V Sharing or publishing	r personal use by sudhirjoon05@ the contents in part or full is liab	यgmaii.com only. ble for legal action.	Hands-on

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## Few textbooks that you can refer to:

John Tukey

**Exploratory Data Analysis** 

2

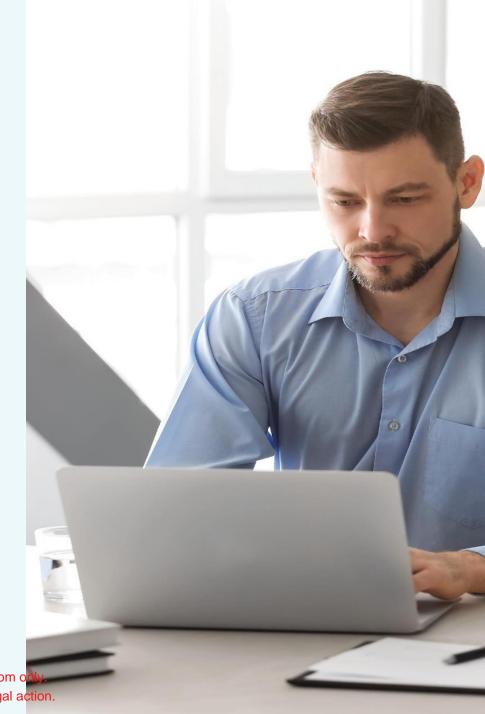
Allen B. Downey

**Think Stats** 

3

**Stephen Henry** 

**Graphical EDA** 



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