

Road Map for Data Science

- 1. Mathematics and statistics : Establish a strong foundation in mathematical concepts and statistical methods.**
- 2. Programming : Develop proficiency in programming languages commonly used in data science , such as python or R.**
- 3. Data Manipulation and Analysis : Learn how to clean, preprocess, and analyze data effectively using libraries tool like Pandas.**
- 4. Data visualization : Master data visualization techniques for assessing and fine-tuning using tools like Matplotlib and some tools are Power BI**
- 5. Machine Learning : Dive into te world of machine learning algorithm, understanding both theory and practical Implementation.**
- 6. Model Evaluation and Validation : Explore techniques for assessing and find-tuning machine learning models.**
- 7. Big Data Tool : Familiarize yourself with bog data technologies, such ad hadoop and spark , for handling large dataset.**

- 8. Deep Learning (Optional for Data Science): If interested into deep learning for advance tasks like image and natural language processing.**
- 9. Data scientist Project : Apply your skills to real-world projects, enhancing your practical experiences and visualization.nds and advancements in data science through ongoing learning and professional development .**

The Data Science Sandwich



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