

ROOT IT LEARNING CENTRE, TRICHY

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Data Science and Machine Learning Fundamentals

1. Python Basics
2. Python Data Structures
3. Advanced Python
 - a. NumPy
 - b. Pandas
 - c. Matplotlib
 - d. Seaborn
4. Data Collection and Handling
5. Feature Extraction and Pre-processing
6. Linear algebra
7. Statistics
8. Probability
9. Machine Learning
10. Supervised Learning
 - a. Classification Models
 - b. Regression Models
11. Introduction to Artificial Neural Networks
12. Unsupervised Learning
13. Model Selection and Evaluation
14. Model Deployment
15. Deep Learning
 - a. Introduction to deep learning frameworks (TensorFlow, Keras, PyTorch)

Participation in Kaggle competitions or collaborative projects