Here is a comprehensive learning plan for Data Science in 2 months:

"The only way to do great work is to love what you do." - Steve Jobs

Learning Schedule for: Data Science

Duration : 2 months

Learning Style : mix

Comprehensive Learning Plan :

Month 1:

1. Week 1:
   - Main topics to cover: Introduction to Data Science, Python basics, Data Preprocessing
   - Practical exercises: Python coding, Data Preprocessing exercises
   - Resources urls: Codecademy, DataCamp, Kaggle
2. Week 2:

- Main topics to cover: Data Visualization, Statistics, and Machine Learning basics
- Practical exercises: Data Visualization projects, Statistics exercises
- Resources urls: Matplotlib, Seaborn, Scikit-learn

3. Week 3:
   - Main topics to cover: Supervised and Unsupervised Learning
   - Practical exercises: Regression, Classification, Clustering exercises
   - Resources urls: Scikit-learn, TensorFlow
4. Week 4:
   - Main topics to cover: Model Evaluation and Hyperparameter Tuning
   - Practical exercises: Model Evaluation, Hyperparameter Tuning exercises
   - Resources urls: Scikit-learn, TensorFlow

5. Monthly Project:
   - Description: Build a simple classification model using Python and Scikit-learn
   - Skills applied: Data Preprocessing, Feature Engineering, Model Evaluation
   - Estimated time: 2 weeks

6. Monthly milestone: Complete the first project and get familiar with Python and Scikit-learn
7. Self-assessment task: Evaluate your project and identify areas for improvement

Month 2:

8. Week 5:

- Main topics to cover: Deep Learning basics, Natural Language Processing
- Practical exercises: Deep Learning exercises, NLP exercises
- Resources urls: TensorFlow, Keras, NLTK

9. Week 6:

- Main topics to cover: Advanced Data Visualization, Big Data
- Practical exercises: Advanced Data Visualization projects, Big Data exercises
- Resources urls: Tableau, Power BI, Spark

10. Week 7:

- Main topics to cover: Specialized Topics in Data Science (e.g., Time Series Analysis)
- Practical exercises: Specialized Topics exercises
- Resources urls: statsmodels, Prophet

11. Week 8:

- Main topics to cover: Review and Practice
- Practical exercises: Practice exercises on Kaggle, LeetCode
- Resources urls: Kaggle, LeetCode

12. Monthly Project:

- Description: Build a complex project using advanced Data Science concepts
- Skills applied: Advanced Data Visualization, Deep Learning, NLP
- Estimated time: 2 weeks

13. Monthly milestone: Complete the second project and demonstrate advanced Data Science skills

14. Self-assessment task: Evaluate your project and identify areas for improvement

Key Milestones :

1. Complete the first project and get familiar with Python and Scikit-learn (Week 4)

2. Complete the second project and demonstrate advanced Data Science skills (Week 8)

3. Develop a portfolio of projects showcasing Data Science skills (Week 8)

Advanced Topics (for latter part of the learning period):

15. Topic 1: Reinforcement Learning

- Subtopics: Markov Decision Processes, Q-Learning, Deep Q-Networks
- Resources: Sutton and Barto's Reinforcement Learning book, OpenAI Gym

16. Topic 2: Advanced NLP

- Subtopics: Word Embeddings, Recurrent Neural Networks, Transformers
- Resources: Stanford CS224D NLP course, PyTorch NLP tutorials

Community and Support :

17. Recommended forums or communities: Kaggle, Reddit (r/MachineLearning and r/DataScience), GitHub

18. Potential mentorship opportunities: Kaggle mentors, Data Science internship

19. Study group suggestions: Join online study groups or form a local study group with friends

Assessment and Evaluation :

20. Suggested methods for tracking progress: Weekly submissions, Monthly projects, Self-assessment tasks

21. Key performance indicators: Project quality, Code quality, Concept understanding

22. Final project or exam details: A comprehensive project applying advanced Data Science concepts

Resources:

23. Codecademy Python course

24. DataCamp Data Science course

25. Kaggle competitions and tutorials

26. Scikit-learn documentation

27. TensorFlow documentation

Additional Tips :

28. Time management strategies for a 2 months-month learning period: Set specific goals for each week, allocate dedicated time for learning

29. Recommended pace and intensity based on the 2 months-month duration: Moderate pace with increased intensity in the latter part

30. Strategies for maintaining motivation over 2 months months: Celebrate small wins, join a community, and find a study buddy