Mathematical Foundations of Data Science

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👋 Hey there! I'm thrilled that you found these materials! Hope they help you on your data science journey.

This collection contains course materials and notes for "Mathematical Foundations of Data Science" focusing on supervised and unsupervised learning techniques, based on the university course

> [Online Version Available](#)

📚 Course Contents

The course is structured into three main sections:

1. **Introduction**
   - What is Data Science?
   - Linear Regression
2. **Supervised Learning**
   - Regression Techniques
   - Classification Methods
3. **Unsupervised Learning**
   - Principal Component Analysis
   - Clustering Methods

!! Important Information

Please note that the "Significance of Parameters" (2.1.3) chapter is incomplete and won't be provided in the future. Please refer to the official script given by the course instructor.

⚠️ Disclaimer

These course materials are provided for educational purposes only. While every effort has been made to ensure accuracy, please refer to official course materials and consult with instructors for authoitative information.