



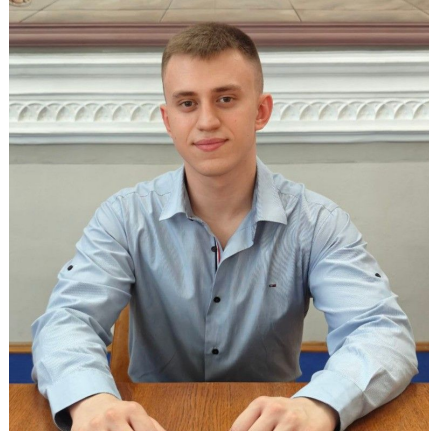
# Machine Learning Lecture Series

Guillem & Roderic, Summer 2025



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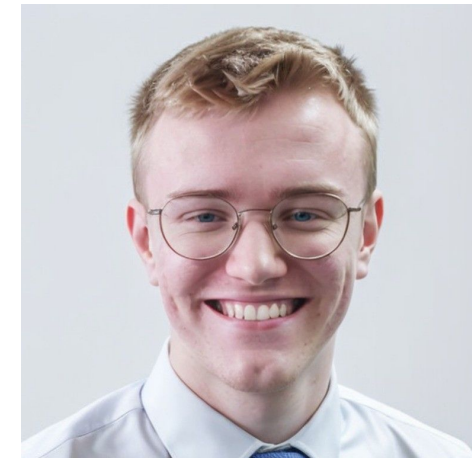
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# Summary of the Week

- **Day 1 - Sunday**
  - Data types, Data Transformations, Vectorization
- **Day 2 - Monday**
  - Dimensionality Reduction Algorithms
- **Day 3 - Tuesday**
  - Logistic Regression, Clustering
- **Day 4 - Wednesday**
  - Machine Learning Models
- **Day 5 - Thursday**
  - Linear and Convolutional Neural Networks
- **Day 6 - Friday**
  - Transformers

# Format and Tools

Theory / Practical

GitHub

Jupyter Notebooks

NumPy, Pandas, Matplotlib

For Machine Learning: Keras

Google Colab



colab





# Welcome to UBDS3!



UBDS3, 2023