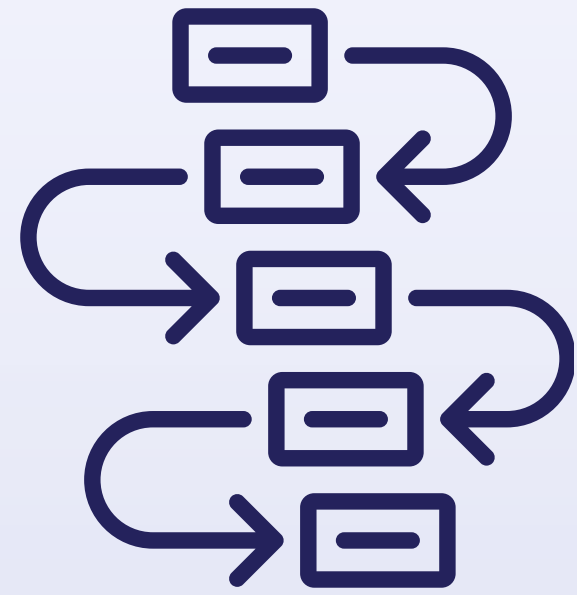


Google-DGC METU

Sequence Models

Presented by AI/ML Team



Week-8

- Sequence models

Sequence Problems





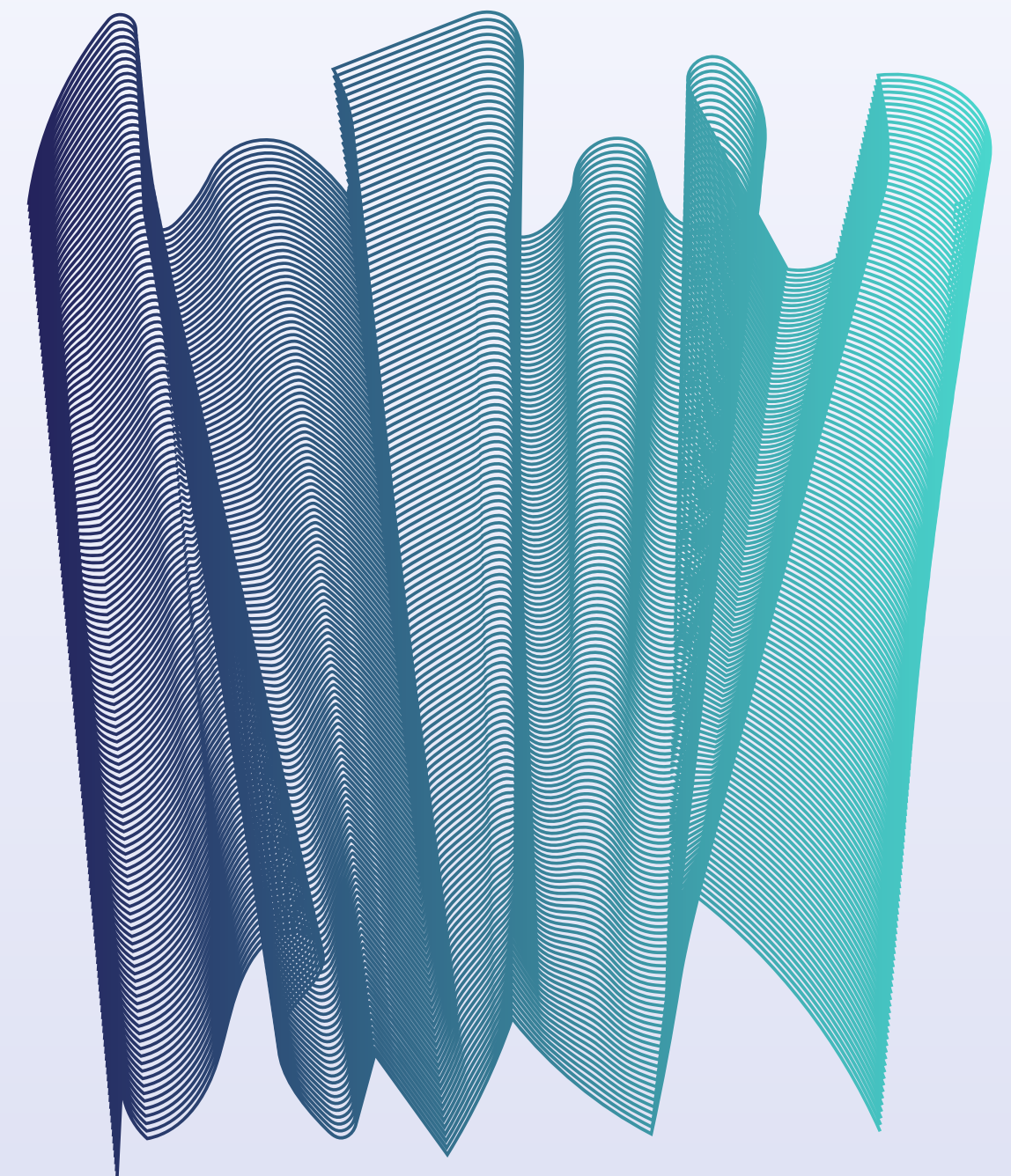
- **Sequence Data**
- **Mono-Many Problems**
 - **Mono to Mono**
 - **Mono to Many**
 - **Many to Mono**
 - **Many to Many**

Sequence Layers and Models



Sequence Layers

- **Recurrent Layers**
- **Convolutional Layers**
- **Attention Layers**





Sequence Models

- **Recurrent Neural Networks (RNNs)**
- **Sequence-to-Sequence Models (Seq2Seq)**
- **Transformer Models**

Introduction to Natural Language Processing





- **Text Preprocessing**
- **Word Embeddings**
- **NLP Models**

