

Critical Family and Kinship Studies through LLM, Text Embedding and Social Network Analysis

Kaiyan Zhang, Yash Mali, Irene Berezin

Introduction

Notebook 1: Classification through Naive Bayes and BERT

With this notebook we hope to show how can we apply text classification and LLM in sociological research. *Demo Notebook*

Learning Outcomes:



Class Structure

- ▶ Part 1: A short introduction to key concepts of classification with visual aids.
- ▶ Part 2: An introduction to zero-shot classification with LLMs.
- ▶

Results

Notebook 2: Word Embeddings and Cosine Similarity

With this notebook we hope to show how

Notebook 3: Audio Analysis

Notebook 4: Social Network Analysis of Family Law Cases

Reference