

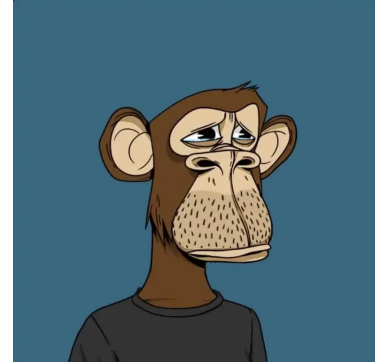


# Team Project

## Business Informatics and Data-Science

- Chair for  
Data-science in the economic and social sciences
- Established Jan 1st 2022
- Focus on analysing textual (language) and relational (network) data.

# Blockchain mining and analysis

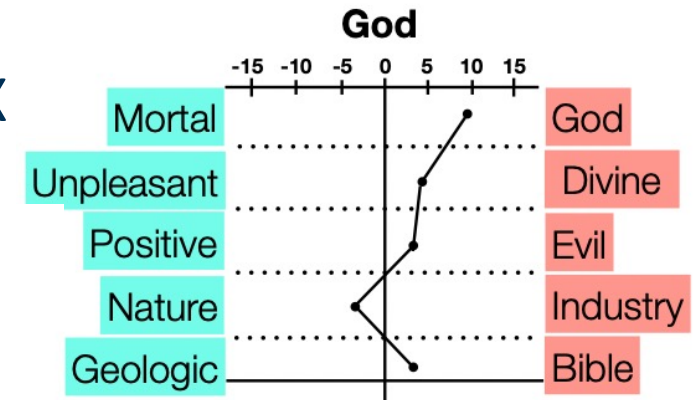


- NFTs (Non-Fungible Tokens) can be used to form identities and communities online
- This project will study NFT communities and their historic records on the blockchain
- Project involves
  - acquiring Ethereum addresses of NFT communities
  - acquiring corresponding Ethereum blockchain records
  - clustering / community detection of NFT communities
  - modeling / prediction of social dynamics
  - evaluation of results

# Interpretable word embeddings

For business entities

- POLAR is a framework that enables interpretation of pre-trained word embeddings
- This project will evaluate NYSE and DAX companies representation in large word embeddings
- Project involves
  - deploying pretrained embeddings
  - defining polar dimensions
  - applying framework to business entities
  - Evaluate results



<https://dl.acm.org/doi/pdf/10.1145/3366423.3380227>