

# **Weekly Report - Week 3 (21.11)**

## **Team Progress Summary**

### **1. Data Preprocessing**

- Categorized data based on themes discussed last week.
- Implemented clustering algorithms to identify groups within the dataset.
- Initial preprocessing benchmarks show that further optimization is needed for large-scale datasets.

### **2. Literature Review**

- Collected 5+ relevant papers discussing agent modeling and clustering in sociopolitical datasets.
- Summarized two papers focusing on time-series analysis for testing strategies.

### **3. Documentation Updates**

- Improved GitHub repository with detailed README and contribution guidelines.
- Enhanced clarity in roles and assignments within the repository.

## **Challenges Encountered**

- Misalignment in clustering results due to unclear correlation thresholds.
- Synchronization delays with repository updates due to branching conflicts.

## **Next Steps**

- Finalize correlation thresholds for clustering.
- Focus on training initial models for agent personas.
- Plan a mock-up session to visualize agent interactions using preliminary data.