Weekly Report - Week 1

Team Progress Summary

- Team Member Addition:

  - Salmon joined the group.

- Data Analysis Initiatives:

  - Opened and compared May and November datasets to identify differences.

  - Discussed the need for agents to replicate participant behaviors across datasets.

  - Initiated questions about greened data points—whether they were added data points.

  - Determined both datasets likely pertain to the US, requiring further confirmation.

- Project Structuring:

  - Decided to focus on creating agents/personas representing different groups (e.g., left and right political groups).

  - Emphasized the importance of organizing subtopics for better data analysis and generalization.

Key Decisions & Discussions

- Clustering Data:

  - Proposed clustering data to analyze participant behaviors based on opinions or preferences.

- Correlation Analysis:

  - Aimed to identify correlated data points, discarding unrelated questions for efficiency.

- Testing & Training Strategy:

  - Suggested using time-based data, like last year's data, for testing.

- Feature Selection:

  - Explored heatmaps and binary classification to simplify correlation identification.

Challenges Identified

- Understanding how participants were selected and whether they engaged with questions randomly or thoughtfully.

- Determining computational power needs, particularly CPUs, for preprocessing.

Next Steps

- Categorize and preprocess data, prioritizing completion before Christmas.

- Continue discussions about methods and questions in the next meeting scheduled for 14.11.2024, from 20:00 to 23:00.