Topic Model Experiment Report

This report summarizes the results of the Topic Modeling experiment.

# Experiment Details

Experiment File: experiment\_file.txt

Execution Time: 2025-01-13 17:25:52

# Git Information

Git Repository: JobPostingAnalysis

Git Version: 041de81

# Metrics

Topic Diversity Score: 0.71

Silhouette Score: 0.04

Clustering Stability Score: 0.39

# Topic Percentages

Topic 0: 3.63%

Topic 1: 2.10%

Topic 2: 4.68%

Topic 3: 5.25%

Topic 4: 6.69%

Topic 5: 7.35%

Topic 6: 3.72%

Topic 7: 3.92%

Topic 8: 4.87%

Topic 9: 2.96%

Topic 10: 7.16%

Topic 11: 0.86%

Topic 12: 2.77%

Topic 13: 5.06%

Topic 14: 6.30%

Topic 15: 5.54%

Topic 16: 4.87%

Topic 17: 2.58%

Topic 18: 9.46%

Topic 19: 2.48%

Topic 20: 2.58%

Topic 21: 5.16%

# Experiment Process

This experiment involves applying topic modeling to a dataset and visualizing various metrics related to the topic modeling. The experiment also includes the calculation of topic diversity, silhouette score, clustering stability, and cosine similarity matrix.