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 17:19:08

# Git Information

Git Repository: JobPostingAnalysis

Git Version: 041de81

# Metrics

Topic Diversity Score: 0.72

Silhouette Score: 0.05

Clustering Stability Score: 0.4

# Topic Percentages

Topic 0: 3.06%

Topic 1: 2.10%

Topic 2: 3.72%

Topic 3: 3.92%

Topic 4: 6.78%

Topic 5: 6.69%

Topic 6: 3.82%

Topic 7: 4.11%

Topic 8: 5.06%

Topic 9: 2.96%

Topic 10: 6.97%

Topic 11: 0.86%

Topic 12: 1.15%

Topic 13: 5.06%

Topic 14: 6.30%

Topic 15: 5.06%

Topic 16: 4.68%

Topic 17: 3.25%

Topic 18: 9.26%

Topic 19: 2.48%

Topic 20: 1.34%

Topic 21: 5.16%

Topic 22: 1.24%

Topic 23: 2.58%

Topic 24: 2.39%

# 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.