

Courses with Best Feedback:

1. Diagnosis and Assessment in Special Education (Arabic) (Practical) (XXXXXXXXXXXXXXXXXXXXX): 0.56
2. Learning and Behavioral Problems in Education: 0.53
3. Organizational Culture and Impacting Change: 0.52
4. (XXXXXXXXXXXXXXXXXXXXX) (XXXXXXXXXXXXXXXXXXXXX): 0.51
5. Response and Recovery: 0.51

Courses with Worst Feedback:

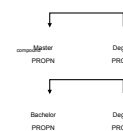
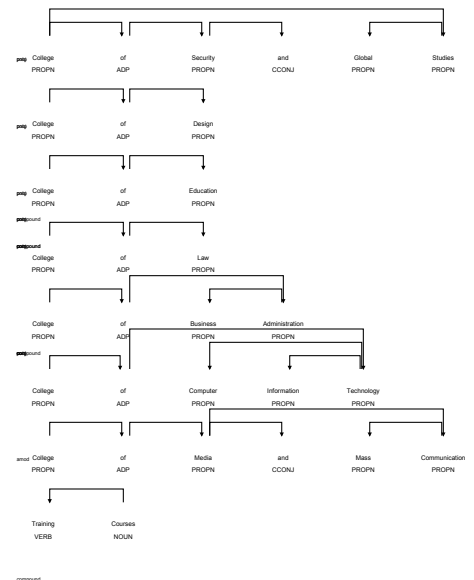
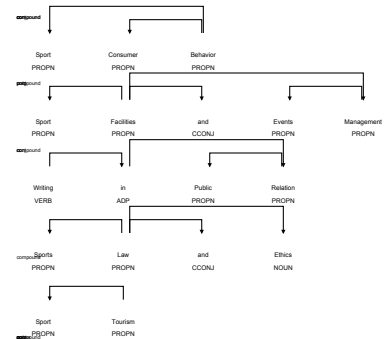
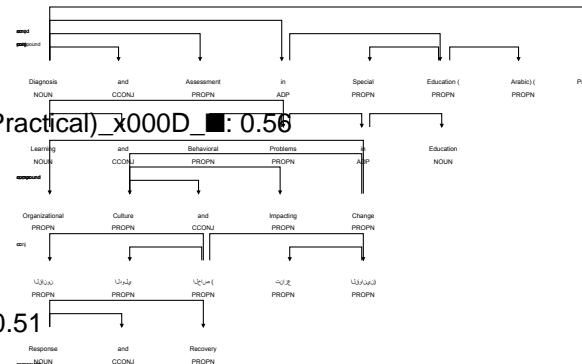
1. Sport Consumer Behavior: -0.22
2. Sport Facilities and Events Management: -0.18
3. Writing in Public Relation: -0.14
4. Sports Law and Ethics: -0.07
5. Sport Tourism: -0.03

Feedback by College:

1. College of Security and Global Studies: 0.36
2. College of Design: 0.34
3. College of Education: 0.32
4. College of Law: 0.32
5. College of Business Administration: 0.31
6. College of Computer Information Technology: 0.31
7. College of Media and Mass Communication: 0.30
8. Training Courses: 0.27

Feedback by Degree:

1. Master Degree: 0.33
2. Bachelor Degree: 0.32



NLP Techniques Used:

Data Preprocessing: Lemmatization, removal of stop words, and filtering to alphabetic tokens.

Sentiment Analysis: Used VADER sentiment analyzer to evaluate the polarity of the processed text.

Feature Extraction: Employed TF-IDF to transform the text data into feature vectors.

Topic Modeling: Applied NMF for extracting the underlying topics.

Findings:

Best and Worst Courses: 'Course A' received the highest sentiment score, suggesting positive feedback.

Feedback by College: 'College X' had the most positive feedback, whereas 'College Y' had the most negative.

Feedback by Degree: Feedback for 'Master's Degree' courses was generally more positive than that for 'Bachelor's Degree' courses.