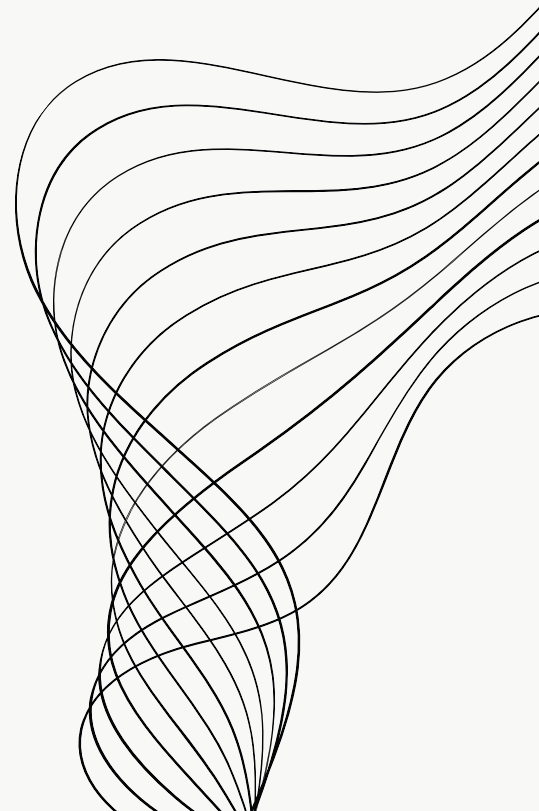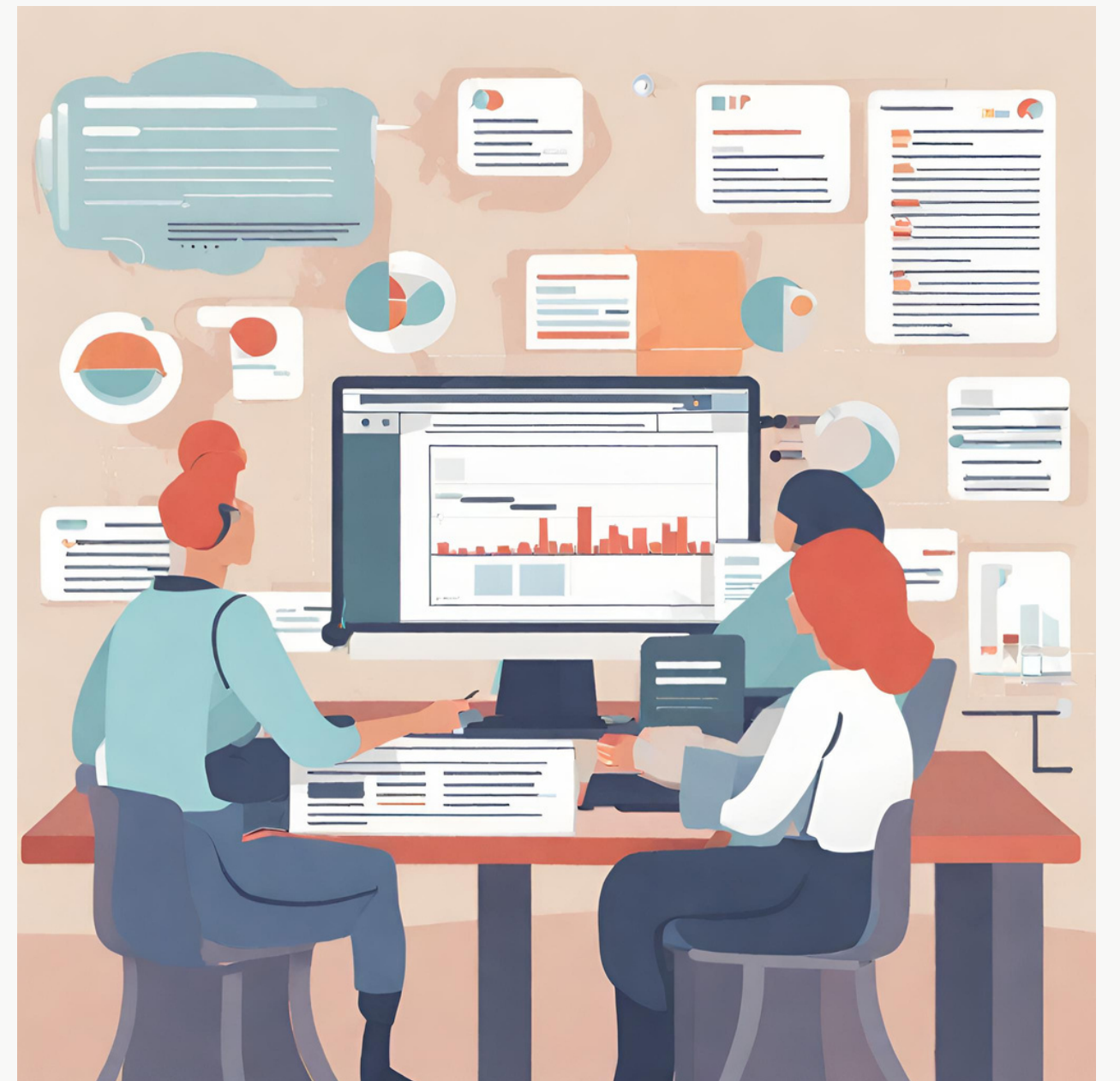# ONLINE COURSE REVIEW ANALYSIS: UNDERSTANDING USER FEEDBACK AND TRENDS

GOALS AND OBJECTIVES

01 Sentiment Analysis: Analyze the sentiment expressed in online course reviews to determine the overall satisfaction level of users.

02 Author Ranking: Identify popular course instructors or authors based on the number of positive reviews and overall user satisfaction.

03 Topic Extraction: Extract key topics or themes from course reviews to identify the most commonly discussed aspects of online courses.

GOALS AND OBJECTIVES

04 Predicting Course Ratings: Develop a predictive model to forecast the ratings of new online courses based on historical review data.

05 Trend Analysis: Analyze trends in online course reviews over time to identify changes in user preferences and interests.
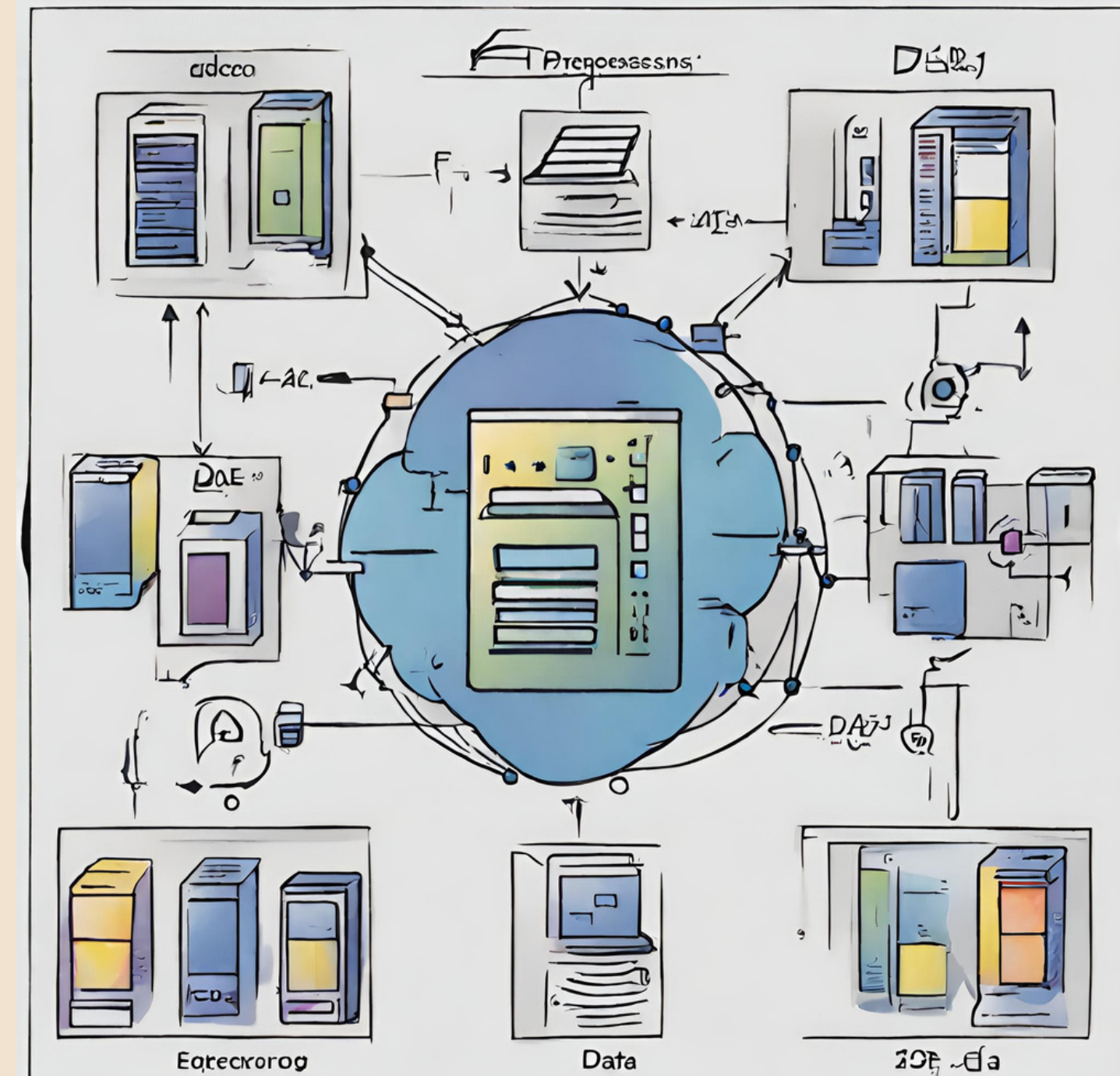
DATA COLLECTION

- Gather online course review data from platforms like Udemy and Coursera using web scraping techniques or accessing available APIs.
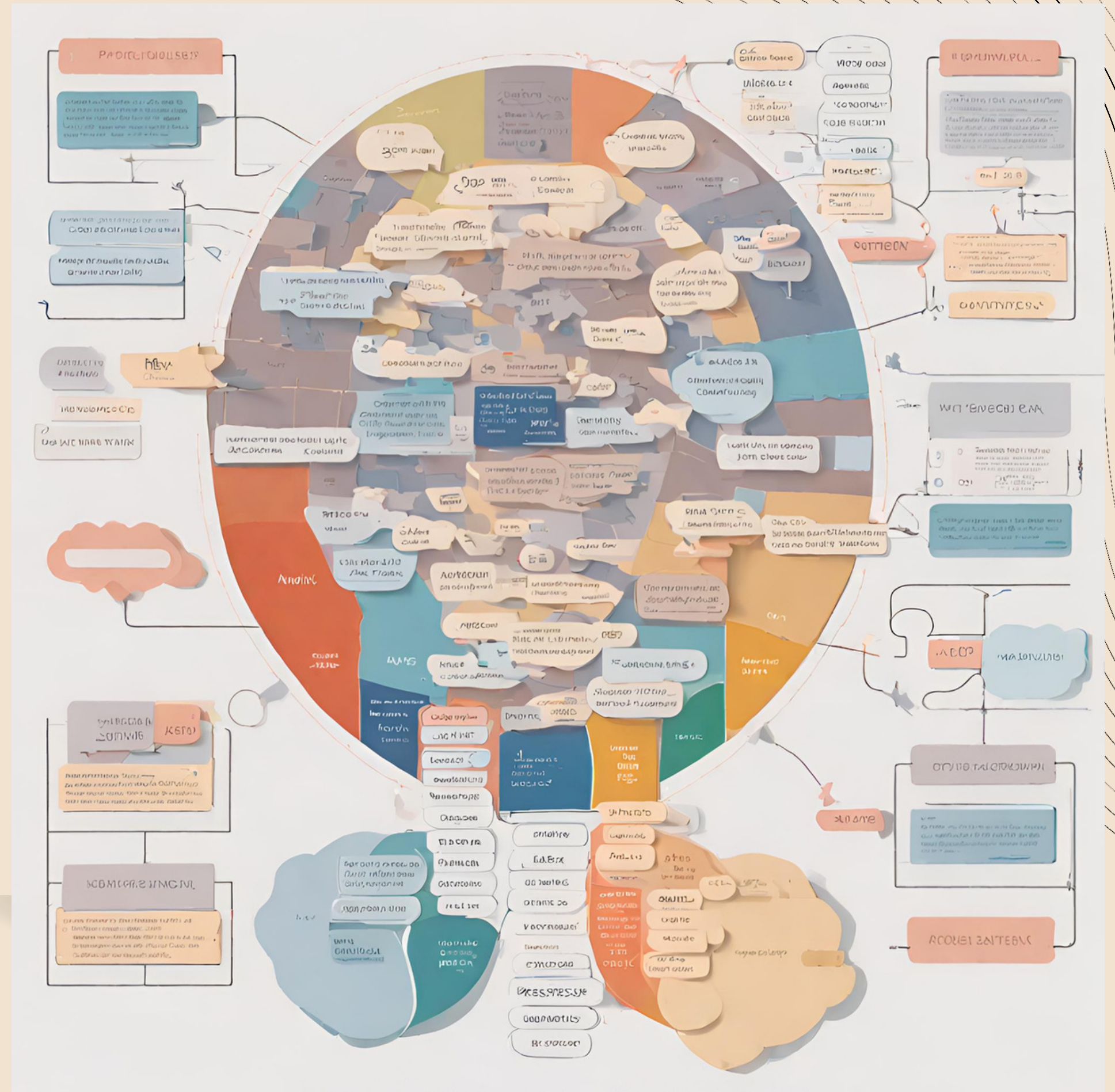
DATA PREPROCESSING

- Clean and preprocess the review data by removing stopwords, tokenizing text, and performing lemmatization or stemming to prepare it for analysis.

DATA MODELLING

Develop models for sentiment analysis, topic extraction, and course rating prediction using machine learning or natural language processing techniques.

ANALYSIS

- Conduct bivariate analysis to explore relationships between variables such as course ratings and review sentiment.
    - Extract key topics or themes from course reviews to identify popular areas of interest among users.
    - Rank course authors or instructors based on the number of positive reviews and overall user satisfaction.
    - Predict course ratings using the developed predictive model and analyze the accuracy of predictions.
    - Perform trend analysis to identify patterns and changes in user preferences over time.

RESULTS & FINDINGS

Present the results of sentiment analysis, topic extraction, and course rating prediction.

Discuss the trends and insights revealed by the analysis, including popular topics, top authors, and predictive accuracy.

Summarize the findings and their implications for online course providers, instructors, and learners.

THANK'S FOR WATCHING