LIST OF TERMS

Terms	Definition
Automatic Short Answer Scoring (ASAS)	A system designed to automatically assess short answer questions to assist teachers in scoring faster and more objectively
Word Embedding	A process of representing individual words as numerical vectors in a multidimensional space, focusing on the relational meaning between words
Sentence Embedding	A technique used to represent entire sentences as numerical vectors, capturing their semantic meaning in context
Mean Absolute Error (MAE)	A metric used to measure the average absolute error between predicted values and actual values, indicating the accuracy of a model.
Correlation Coefficient	A statistical measure that describes the strength and direction of the relationship between two variables.
Cosine Similarity	A measure used to determine the similarity between two vectors by calculating the cosine of the angle between them.
BERT (Bidirectional Encoder Representations from Transformers)	A deep learning model designed to understand the context of words in a sentence by considering the surrounding words.
InferSent	A sentence embedding model that uses bidirectional LSTM with max-pooling to generate sentence representations based on semantic meaning.
Skip-Thought	A deep learning model that generates sentence representations by predicting the preceding and following sentences using RNN architecture.
FastText	A word embedding model developed by Facebook AI Research that emphasizes sub-word or morpheme representation to handle rare or unknown words.
Continuous Bag of Words (CBOW)	An architecture in Word2Vec that predicts a word based on its surrounding words.
Skip Gram	An architecture in Word2Vec that predicts surrounding words based on a single word.
Preprocessing	The process of cleaning and preparing text data for analysis by removing empty entries, converting text to lowercase, removing numbers, and deleting punctuation marks.