**Project Name:** Sentiment Analysis of Amazon Customers Reviews for Food ProductsUsing Machine Learning Approach

Here's a breakdown of the key tasks done to complete this project:

1. **Implement Three Linear Classifiers:**

* Perceptron Algorithm
* Average Perceptron Algorithm
* Pegasos Algorithm

1. **Use Text Features for Sentiment Analysis:**

* Preprocess the product reviews (e.g., tokenization, lowercasing, removing stopwords).
* Represent the reviews as feature vectors.
* Implement the classifiers using the provided functions and templates in project1.py.

1. **Experiment with Additional Features:**

* Explore the impact of additional features on classifier performance. These features could include sentiment lexicons, word embeddings, or any other relevant textual features.
* Evaluate the classifiers' performance with and without these additional features.