Model Development Phase Template

Date	15 July 2024
Team ID	739653
Project Title	Airline Review Classification
Maximum Marks	5 Marks

Feature	Description	Selected (Yes/No)	Reasoning
Sentiment Analysis	Classifies reviews as positive, negative, or neutral.	Yes	Essential for understanding overall customer sentiment and addressing issues promptly.
Topic Modeling	Identifies main themes or topics within reviews.	Yes	Helps in pinpointing common areas of concern and topics customers frequently mention.
Aspect-Based Sentiment Analysis	Analyzes sentiments related to specific aspects like seating, food, etc.	Yes	Provides detailed insights into specific areas of the customer experience.
Customer Demographics	Information about the reviewer such as age, gender, etc.	Yes	Demographic factors can influence feedback and help in segmenting analysis.

Feature Selection Report Template

This Feature Selection Report template provides a structured approach to documenting the rational and methods used to select features for your project on Airline Reviews Classification

Gender	Participant's gender	Yes	Provides insights into gender-based differences in smoking.
Smoking Status	Participant's self-reported smoking status	No	arget variable for prediction; not a feature.