Model Development Phase Template

Date	4 July 2024
Team ID	740059
Project Title	Honey price prediction based on purity.
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
Month	Month of the year	No	Seasonal effect on honey production and demand
Average Temp	Average temperature	Yes	temperature influences bee activity and honey production
Precipitation	Total precipitation	Yes	Affects flower availability and nectar production

Location	Geographic location where honey was produced	Yes	different locations may have varying price trends.
Hive Density	Number of beehives per square kilometer	` Yes	More hives may indicate higher production.
Vegetation Index	Satellite-derived index of vegetation health	Yes	Healthy vegetation supports bee activity.
Pesticide Use	Frequency of pesticide application	Yes	Pesticides can impact bee health and yield
Flowering Season	Duration of flowering season for majo honey plants	Yes	Timing affects honey yield and quality.
global Demand	Global demand for honey	Yes	Demand influences market price.
Local Economic Factors	Local economic conditions affecting honey production	Yes	Economic stability affects pricing.
Honey Quality	Quality rating of honey	Yes	Higher quality may fetch premium prices.
Competition	Number of local honey producers	Yes	Competitors impact local market dynamics.

Consumer Trends	Trends in honey consumption	Yes	Consumer preferences influence prices.
Exchange Rates	Exchange rates affecting export/import dynamics	Yes	Currency fluctuations impact pricing.