Model Development Phase Template

Date	15 JULY 2024
Team ID	740113
Project Title	View count visianory:a data driven apporach youtube videos views
Maximum Marks	5 Marks

Feature Selection Report Template

Brief description of the project and the importance of feature selection in predicting YouTube video views.This template provides a structured approach to documenting the feature selection process for the "Visionary" project.

Feature	Description	Selected (Yes/No)	Reasoning
Historical View Data	Data on past views of the videos	Yes	Essential for understanding trends and patterns over time.
Video Metadata	Information like video title, description, tags, etc.	Yes	Helps in understanding the content and context of the videos, which can affect view counts.
Engagement Metrics	Metrics like likes, comments, shares, etc.	Yes	Important for gauging viewer interaction and engagement, which can correlate with view counts.
Upload Schedule	Timing and frequency of video uploads	Yes	Helps in identifying patterns related to when videos are uploaded and their subsequent performance.
External Traffic Sources	Sources driving traffic to the videos	Yes	Crucial for understanding where viewers are coming from and what drives traffic to videos.
Subscriber Growth	Data on how the channel's subscriber count changes over time	Yes	Subscribers are a primary audience for videos; growth trends can impact view counts.

Seasonality Trends	Patterns related to time of year, holidays, etc.	Yes	Views can be affected by seasonal trends; understanding these can improve forecasting accuracy.
Competitive Analysis	Data on views and performance of similar videos/channels	Yes	Provides context on the performance relative to similar content, useful for benchmarking.
Algorithm Changes	Information on changes to YouTube's recommendation algorithms	Yes	Changes in the algorithm can significantly impact video views; tracking this is important.