

Project Submission Criteria

Concise Project Submission Criteria

Project Submission Deliverables (Total Marks: 100)

1. Jupyter Notebook (40 Marks):

- Comprehensive notebook with:
 - EDA (15 Marks): Include dataset overview, visualizations, and at least 3 insights.
 - Data Wrangling (10 Marks): Missing value handling, outliers, feature engineering.
 - Machine Learning Model (15 Marks): Train at least 2 regression models, evaluate metrics (MAE, MSE, R^2), and hyperparameter tuning.

2. Streamlit App (30 Marks):

- User-friendly interface:
 - Input Parameters (10 Marks): Interactive user input via sliders or text boxes.
 - Prediction Output (10 Marks): Accurate, visually appealing results.
 - Additional Features (10 Marks): Include visualizations or confidence intervals.

3. PowerPoint Presentation (20 Marks):

- Key components:
 - Project Overview (5 Marks): Dataset and objectives.
 - Insights (5 Marks): Visualizations and EDA results.
 - Model Summary (5 Marks): Evaluation metrics and comparisons.
 - App Demonstration (5 Marks): Screenshots or app highlights.

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4. Challenges and Learnings (10 Marks):

- Highlight challenges faced and key learnings from the project.

Submission Requirements:

- Submit the following files in a single zip:

1. Jupyter Notebook (.ipynb)
2. Streamlit App (.py) with requirements.txt
3. Saved model (e.g., model.pkl or model.joblib)
4. PowerPoint presentation (.pptx)
5. Dataset (if not publicly available).

Ensure the presentation is concise, clear, and visually appealing. Marks will be deducted for incomplete or unclear submissions.