Model Development Phase Template

Date	21 April 2024
Team ID	Team-738178
Project Title	Envisioning Success : Predicting University Scores With Machine Learning
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
world_rank	Global ranking of the institution	No	May not be directly relevant for score prediction, focusing more on other characteristics.
institution	Name of the University	No	Not directly relevant for predicting the score.
country	Country where the university is located	No	The location may not directly impact the score, focusing more on other characteristics.
national_rank	National ranking of the institution	No	May be redundant with other features and not directly relevant for score prediction.

quality_of_education	Quality of education offered by the university	Yes	A key factor in determining the university's score and overall academic performance.
alumni_employment	Success and employment rate of alumni	Yes	Reflects the institution's ability to prepare students for the job market.
quality_of_faculty	Competence and Qualifications of faculty	Yes	Directly impacts the quality of education and research output, influencing the score.
publications	Research output in terms of published works	Yes	Indicates the university's research productivity and impact on the academic community.
influence	The institution's impact on its field	Yes	Measures the university's contributions and leadership in research and academics.
citations	Number of times university research is cited	Yes	Reflects the significance and recognition of the university's research work.
broad_impact	Wide-ranging influence of the university	No	Potentially too broad or redundant with other selected features.
patent	Innovation output and patent filings	Yes	Reflects the university's ability to produce valuable research and innovation.
score	The university's score based on various factors	No	Not used as a feature; it is the target variable being predicted
year	The year the data was collected	No	Not essential for score prediction, focusing more on institutional features