## INN Hotels - Problem Statement

iubmission type : File Upload kvailable from : Sep 29, 9:30 PM	Due Date	: Oct 15, 8:30 AM	Total Marks	:	60	
our Marks : 60/60						
Description						•
Scoring guide (Rubric) - INN Hotels Rubric	Evaluated					^
Criteria		Ratings		Points		
Define the problem and perform an Exploratory Data Analysis  - Problem definition - Univariate analysis - Bivariate analysis - Use appropriate visualizations to identify the patterns and insights - Key meaningful observations on individual variables and the relationship between variables		Problem definition, questions to be a background and contents have been univariate and bivariate analysis is we Key meaningful observations on indi the relationship between variables we captured and commented. Good use visualisation to show key observation	mentioned. Also, ery well performed. ividual variables and iere very well of various	12/12		
Data Pre-processing  Prepare the data for modelling: - Missing valueded) - Outlier Detection(treat, if needed)  Engineering (if needed) - Data split		Key pre-processing steps were used for modelling. Comments used are al Feature Engineering, Outlier Treatme observations check was well conduct	lso to the point. ent and Duplicate	4/4		
Model building - Logistic Regression  - Build the Logistic Regression model using stand comment on the model statistics - Check Logistic Regression - Provide interpretations coefficients obtained from the logistic regres	k assumptions of based on	Properly created the model using the comments. Model performance was accuracy value.	_	9/9		
Model Performance evaluation and improve Regression  - Try and improve the model performance by classification threshold - Comment on model changing the threshold	changing the	The model was thoroughly evaluated	d using key metrics.	6/6		
Model building - Decision Tree - Build the model and comment on the mode	el performance.	Properly created the model using the comments. Model performance was recall value.		5/5		
Model Performance evaluation and improve Tree  - Try and improve the model performance by Comment on model performance - Find the check feature importance	pruning -	The model was thoroughly evaluated	d using key metrics.	10/10		
Actionable Insights & Recommendations - Compare decision tree and Logistic regress Conclude with the key takeaways for the bus		Actionable Insights and Recommend covered but could have talked about benefits from improving the model.		6/6		
Presentation / Notebook - Overall quality - Structure and flow - Crispness - Visual appeand Business Recommendations OR - Struction commented code - Conclusion and Business	ure and flow - Well	Structured notebook with a logical fi well-commented code and easy to fo		8/8		
			Points	60/60		