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## ReCell - Problem Statement

Submission type	:	File Upload
Due Date	:	Sep 09, 2023, 1:00 AM CST
Total Marks	:	60
Available from	:	Aug 17, 2023, 8:30 AM
Your Marks	:	52/60

### Description



### Scoring guide (Rubric) - ReCell Project Rubric

**Evaluated**

Criteria	Ratings	Points
<b>Exploratory Data Analysis</b> - Problem definition, questions to be answered - Data background and contents - Univariate analysis - Bivariate analysis - Insights based on EDA	Well, the problem definition, questions to be answered and Data background and contents could have been mentioned. Univariate and bivariate analysis is very well performed. Key meaningful observations on individual variables and the relationship between variables were very well captured and commented.	8/12
<b>Data preprocessing</b> - Duplicate value check - Missing value check and treatment -	Key pre-processing steps were used to prepare the data for modelling. Comments used are also to the point. Feature	8/8

Criteria	Ratings	Points
Outlier check (treatment if needed) - Feature engineering (if needed) - Data preparation for modeling	Engineering, Outlier Treatment and Duplicate observations check was well conducted.	
<b>Model building - Linear Regression</b> - Build the model and comment on the model statistics - Display model coefficients with column names	Properly created the model using the library along with comments. Model performance was very good with high R square value.	10/10
<b>Testing the assumptions of linear regression model</b> - Perform tests for the assumptions of the linear regression - Comment on the findings from the tests	Has performed key testing along with proper comments.	10/10
<b>Model performance evaluation</b> Evaluate the model on different performance metrics	The model was thoroughly evaluated using key metrics.	6/6
<b>Actionable Insights &amp; Recommendations</b> - Comments on significance of predictors - Key takeaways for the business	Well, the Actionable Insights and Recommendations were well covered but could have talked about potential business benefits from improving the model.	2/6
<b>Presentation/Notebook - Overall quality</b> - Structure and flow - Crispness - Visual appeal - Conclusion and Business Recommendations OR -	Structured with a logical flow and clean and well-commented code and easy to follow. Proper use of headings and sub-headings.	8/8

**Criteria****Ratings****Points**

Structure and flow - Well  
commented code - Conclusion  
and Business Recommendations

Points 52/60

**Submitted Assignment**

Linear Regression Model.html



Submitted at Sat, Sep 09, 2023

**Comments:**

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