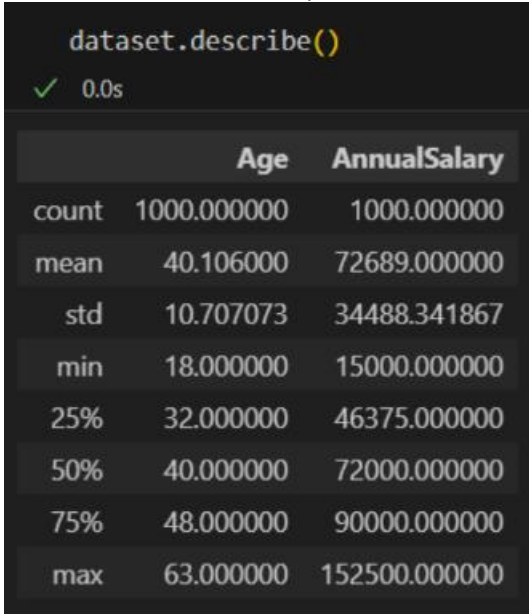
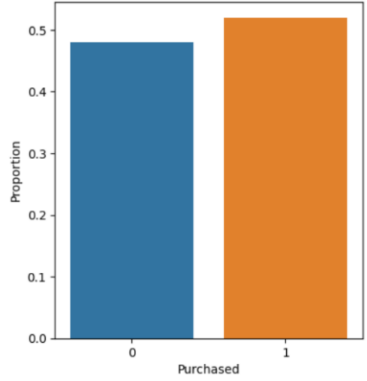
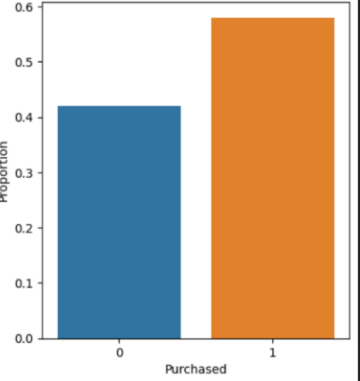


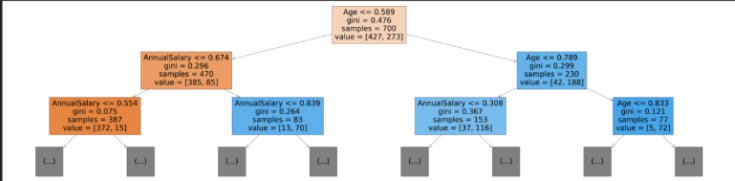
Project Development Phase Model Performance Test

Date	10 November 2023
Team ID	Team-591995
Project Name	Project – car purchase prediction using ml
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values																											
1.	Dashboard design	<p>No of Visualizations / Graphs -</p>  <pre>dataset.describe()</pre> <p>✓ 0.0s</p> <table border="1"> <thead> <tr> <th></th> <th>Age</th> <th>AnnualSalary</th> </tr> </thead> <tbody> <tr> <td>count</td> <td>1000.000000</td> <td>1000.000000</td> </tr> <tr> <td>mean</td> <td>40.106000</td> <td>72689.000000</td> </tr> <tr> <td>std</td> <td>10.707073</td> <td>34488.341867</td> </tr> <tr> <td>min</td> <td>18.000000</td> <td>15000.000000</td> </tr> <tr> <td>25%</td> <td>32.000000</td> <td>46375.000000</td> </tr> <tr> <td>50%</td> <td>40.000000</td> <td>72000.000000</td> </tr> <tr> <td>75%</td> <td>48.000000</td> <td>90000.000000</td> </tr> <tr> <td>max</td> <td>63.000000</td> <td>152500.000000</td> </tr> </tbody> </table>		Age	AnnualSalary	count	1000.000000	1000.000000	mean	40.106000	72689.000000	std	10.707073	34488.341867	min	18.000000	15000.000000	25%	32.000000	46375.000000	50%	40.000000	72000.000000	75%	48.000000	90000.000000	max	63.000000	152500.000000
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2.	Data Responsiveness	<p>Decision made by people whose salary is greater than average salary</p> <div> <p>Male</p>  <p>Female</p>  </div>																											

3.	Amount Data to Rendered (DB2 Metrics)	<pre>from sklearn.tree import plot_tree, export_text import matplotlib.pyplot as plt # Convert the dataframe index to a list of strings feature_names = list(X_train.columns) plt.figure(figsize=(80, 20)) plot_tree(DT_model, feature_names=feature_names, max_depth=2, filled=True) plt.show()</pre> <p>✓ 1.2s</p> 																											
4.	Utilization of Data Filters																												
5.	Effective User Story	<p>No of Scene Added –</p> <pre>from sklearn.svm import SVC svc_model = SVC(kernel = 'rbf', random_state = 0) svc_model.fit(X_train, y_train)</pre> <p>✓ 0.0s</p> <p>SVC</p> <p>SVC(random_state=0)</p> <pre>y_train_pred = classifier.predict(X_train) y_test_pred = classifier.predict(X_test) print_metrics(pd.Series(y_train_pred), pd.Series(y_test_pred))</pre> <p>✓ 0.0s</p> <p>Train set accuracy_score: 0.8728571428571429 Test set accuracy_score: 0.85</p>																											
6.	Descriptive Reports	<p>No of Visualizations / Graphs -</p> <pre>dataset.describe()</pre> <p>✓ 0.0s</p> <table><thead><tr><th></th><th>Age</th><th>AnnualSalary</th></tr></thead><tbody><tr><td>count</td><td>1000.000000</td><td>1000.000000</td></tr><tr><td>mean</td><td>40.106000</td><td>72689.000000</td></tr><tr><td>std</td><td>10.707073</td><td>34488.341867</td></tr><tr><td>min</td><td>18.000000</td><td>15000.000000</td></tr><tr><td>25%</td><td>32.000000</td><td>46375.000000</td></tr><tr><td>50%</td><td>40.000000</td><td>72000.000000</td></tr><tr><td>75%</td><td>48.000000</td><td>90000.000000</td></tr><tr><td>max</td><td>63.000000</td><td>152500.000000</td></tr></tbody></table>		Age	AnnualSalary	count	1000.000000	1000.000000	mean	40.106000	72689.000000	std	10.707073	34488.341867	min	18.000000	15000.000000	25%	32.000000	46375.000000	50%	40.000000	72000.000000	75%	48.000000	90000.000000	max	63.000000	152500.000000
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