

Project Development Phase Model Performance Test

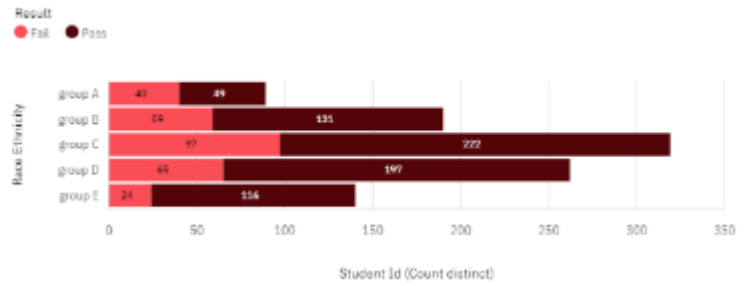
Date	24 October 2023
Team ID	NM2023TMID07497
Project Name	Project - Unleashing The Potential Of Our Youth: A Student Performance Analysis
Maximum Marks	10 Marks

Model Performance Testing:

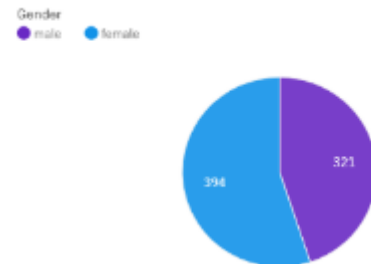
Project team shall fill the following information in the model performance testing template.

S.No.	Parameter	Screenshot / Values																																	
1.	Dashboard design	<div><div>No of Visualizations / Graphs - 7</div><div><div>Test Preparation Effectiveness</div><div><div>Result</div><div><div>Fail</div><div>Pass</div></div></div><div><table><thead><tr><th>Test Preparation Course</th><th>Fail (Count)</th><th>Fail (%)</th><th>Pass (Count)</th><th>Pass (%)</th></tr></thead><tbody><tr><td>completed</td><td>49</td><td>22.1%</td><td>298</td><td>61.7%</td></tr><tr><td>none</td><td>229</td><td>78.9%</td><td>427</td><td>88.9%</td></tr></tbody></table></div></div><div><div>Grade based on Preparation Material</div><div><div>Test Preparation Course</div><div><div>completed</div><div>none</div></div></div><div><table><thead><tr><th>Grades</th><th>completed (Count)</th><th>none (Count)</th></tr></thead><tbody><tr><td>A</td><td>32</td><td>17</td></tr><tr><td>B</td><td>72</td><td>94</td></tr><tr><td>C</td><td>111</td><td>140</td></tr><tr><td>D</td><td>80</td><td>176</td></tr><tr><td>E</td><td>60</td><td>276</td></tr></tbody></table></div></div></div>	Test Preparation Course	Fail (Count)	Fail (%)	Pass (Count)	Pass (%)	completed	49	22.1%	298	61.7%	none	229	78.9%	427	88.9%	Grades	completed (Count)	none (Count)	A	32	17	B	72	94	C	111	140	D	80	176	E	60	276
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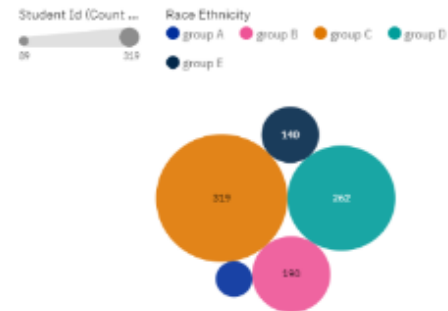
Race wise pass fail ratio



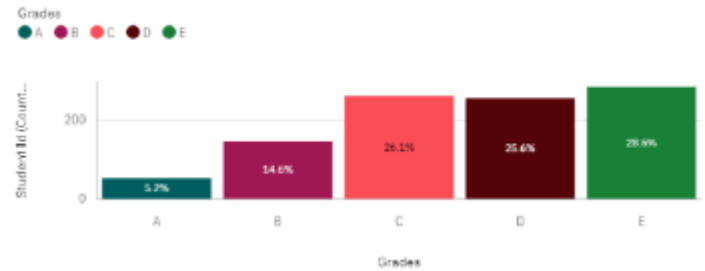
Male Female Pass Ratio



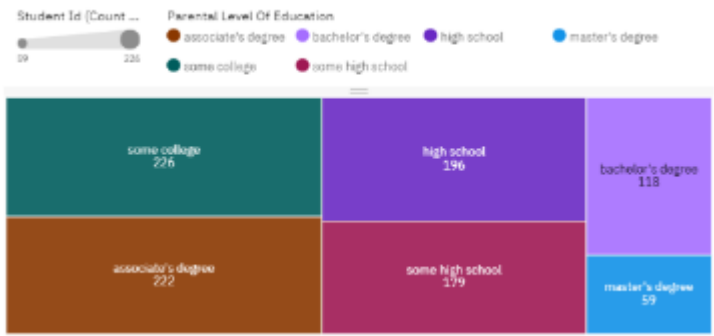
Race Specific Distribution



Student by Grade



Parents Education Level



2.

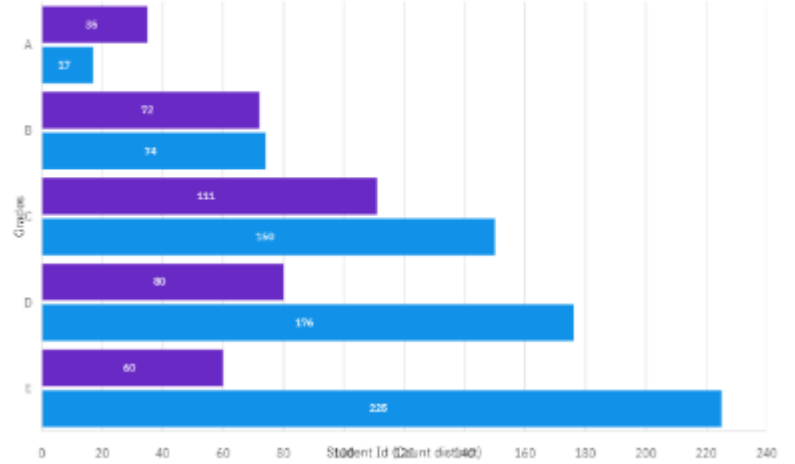
Data Responsiveness

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists the 'StudentPerformance' data module and its contents: 'Navigation paths', 'Studentdata', 'Result', 'Grades', 'Average', 'Sum', 'Student Id', 'Gender', 'Race Ethnicity', 'Parental L... Education', 'Lunch', 'Test Prepa... on Course', 'Math Score', 'Reading Score', and 'Writing Score'. The 'Average' item is selected. The main pane displays a table with columns: 'Result', 'Grades', 'Average', 'Sum', 'Student Id', 'Gender', and 'Race Ethnicity'. The table contains 13 rows of data.

Result	Grades	Average	Sum	Student Id	Gender	Race Ethnicity
Pass	C	72.67	218	101	female	group B
Pass	B	82.33	247	102	female	group C
Pass	A	92.67	278	103	female	group B
Fail	E	49.33	148	104	male	group A
Pass	C	76.33	229	105	male	group C
Pass	C	77.33	232	106	female	group B
Pass	A	91.67	275	107	female	group B
Fail	E	40.67	122	108	male	group B
Pass	D	65.00	195	109	male	group D
Fail	E	49.33	148	110	female	group B
Fail	E	54.67	164	111	male	group C
Fail	E	45.00	135	112	male	group D
Pass	C	73.00	219	113	female	group B

Grade based on Preparation Material

Test Preparation Course
● completed ● none



3.

Utilization of Data Filters

IBM Cognos Analytics - Reporting

The screenshot shows the IBM Cognos Analytics Reporting interface. A search bar at the top contains the text 'Find'. Below the search bar, a filter is applied to 'GRADE (B,A,C)'. The filter is expanded, showing a list of checkboxes for each grade: E, B, A, C, and D. The checkboxes for B, A, and C are checked. Below the grade list, there is a checkbox for 'AVERAGE' and a checkbox for 'gender'.

Find

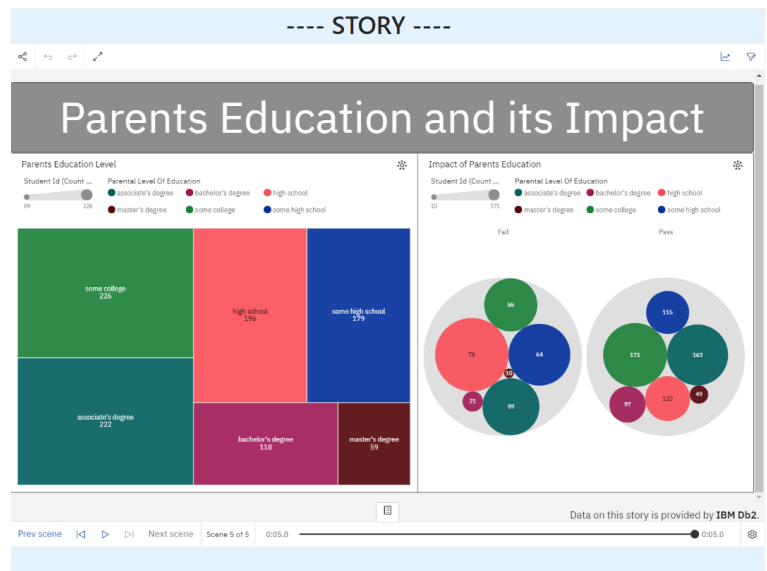
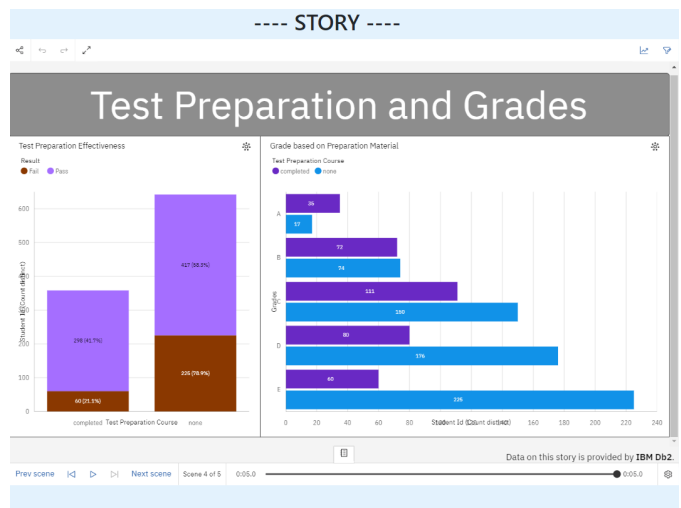
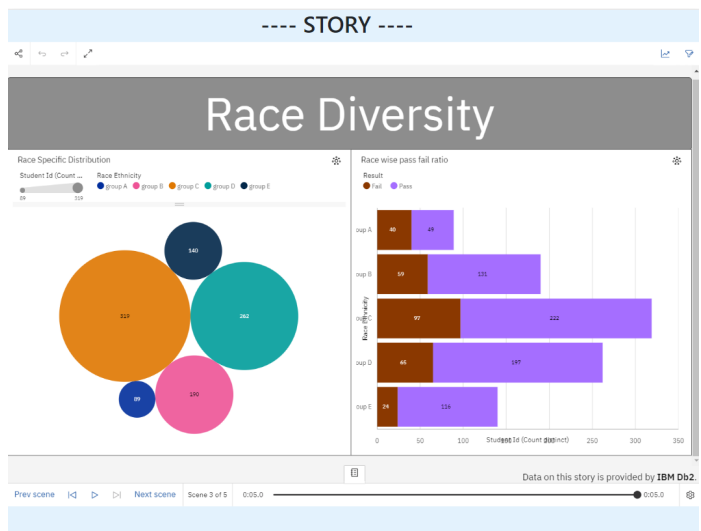
GRADE (B,A,C)

- ☐ E
- ☒ B
- ☒ A
- ☒ C
- ☐ D

AVERAGE

gender

4.	Effective User Story	<p>No of Scene Added - 5</p>



5.

Descriptive Reports

No of Visualizations / Graphs - 8

