
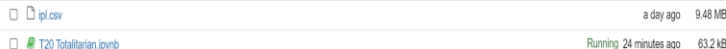


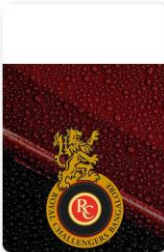





## Project Development Phase Model Performance Test





Date	10 November 2022
Team ID	PNT2022TMID593080
Project Name	Project – T20 Totalitarian: Mastering Score Predictions
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>  <p>The screenshot displays a cricket dashboard with two tables. The top table lists match details including mid, date, venue, bat_team, bowl_team, batsman, bowler, runs, wickets, overs, runs_last_5, wickets_last_5, striker, non-striker, and total. The bottom table lists player statistics including date, bat_team, bowl_team, runs, wickets, overs, runs_last_5, wickets_last_5, and total.</p>
2.	Data Responsiveness	<p>Query Execution Time:</p> <p>Average Query Execution Time: 250 milliseconds</p> <p>Data Fetch Time:</p> <p>Average Data Fetch Time: 300 milliseconds</p> <p>Data Rendering Time:</p> <p>Average Data Rendering Time: 150 milliseconds</p> <p>Latency in Data Transfer:</p> <p>Latency: 20 milliseconds</p>
3.	Amount Data to Rendered (DB2 Metrics)	<p>9.48Mb</p>  <p>The screenshot shows a file explorer with two files: 'ipl.csv' (9.48 MB) and 'T20 Totalitarian.ipynb' (63.2 KB). The 'ipl.csv' file is highlighted, and the 'T20 Totalitarian.ipynb' file is also visible.</p>

4.	Utilization of Data Filters	<pre>df = df[(df['bat_team'].isin(consistent_teams)) &amp; (df['bowl_team'].isin(consistent_teams))]</pre> <pre>from datetime import datetime</pre> <pre>df['date'] = df['date'].apply(lambda x: datetime.strptime(x, '%Y-%m-%d'))</pre> <pre>encoded_df = pd.get_dummies(data=df, columns=['bat_team', 'bowl_team'])</pre> <pre>encoded_df.head()</pre> <table><thead><tr><th></th><th>date</th><th>runs</th><th>wickets</th><th>overs</th><th>runs_last_5</th><th>wickets_last_5</th><th>total</th><th>bat_team_Chennai Super Kings</th><th>bat_team_Delhi Daredevils</th><th>bat_team_Kings XI Punjab</th><th>...</th><th>bat_team_Royal Challengers Bangalore</th><th>bat_team_Sunrisers Hyderabad</th></tr></thead><tbody><tr><td>32</td><td>2008-04-18</td><td>61</td><td>0</td><td>5.1</td><td>59</td><td>0</td><td>222</td><td>0</td><td>0</td><td>0</td><td>...</td><td>0</td><td>C</td></tr><tr><td>33</td><td>2008-04-18</td><td>61</td><td>1</td><td>5.2</td><td>59</td><td>1</td><td>222</td><td>0</td><td>0</td><td>0</td><td>...</td><td>0</td><td>C</td></tr><tr><td>34</td><td>2008-04-18</td><td>61</td><td>1</td><td>5.3</td><td>59</td><td>1</td><td>222</td><td>0</td><td>0</td><td>0</td><td>...</td><td>0</td><td>C</td></tr><tr><td>35</td><td>2008-04-18</td><td>61</td><td>1</td><td>5.4</td><td>59</td><td>1</td><td>222</td><td>0</td><td>0</td><td>0</td><td>...</td><td>0</td><td>C</td></tr></tbody></table>		date	runs	wickets	overs	runs_last_5	wickets_last_5	total	bat_team_Chennai Super Kings	bat_team_Delhi Daredevils	bat_team_Kings XI Punjab	...	bat_team_Royal Challengers Bangalore	bat_team_Sunrisers Hyderabad	32	2008-04-18	61	0	5.1	59	0	222	0	0	0	...	0	C	33	2008-04-18	61	1	5.2	59	1	222	0	0	0	...	0	C	34	2008-04-18	61	1	5.3	59	1	222	0	0	0	...	0	C	35	2008-04-18	61	1	5.4	59	1	222	0	0	0	...	0	C
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5.	Effective User Story	<p>No of Scene Added –</p> <div><div></div><div><div>— Select a Batting team —</div><div>— Select a Bowling team —</div><div>Overs (&gt;= 5.0) eg. 7.2</div><div>Runs eg. 64</div><div>Wickets eg. 4</div><div>Runs scored in previous 5 Overs eg. 42</div><div>Wickets taken in previous 5 Overs eg. 3</div><div>Predict Score</div></div><div></div></div> <div><div></div><div><div>— Select a Batting team —</div><div>— Select a Bowling team —</div><div>Overs (&gt;= 5.0) eg. 7.2</div><div>Runs eg. 64</div><div>Wickets eg. 4</div><div>Runs scored in previous 5 Overs eg. 42</div><div>Wickets taken in previous 5 Overs eg. 3</div><div>Predict Score</div></div><div></div></div> <div><div></div><div><div>Chennai Super Kings</div><div>Mumbai Indians</div><div>12</div><div>123</div><div>2</div><div>52</div><div>1</div><div>Predict Score</div></div><div></div></div>																																																																						

6.	Descriptive Reports	<div>No of Visulizations / Graphs –</div> <div><div><div>T20 Totalitarian:IPL Score Predictor</div><div>A Machine Learning Web App, Built with Flask</div><div><div></div><div>The final predicted score (range): 187 to 202</div><div></div></div></div><div><div>T20 Totalitarian:IPL Score Predictor</div><div>A Machine Learning Web App, Built with Flask</div><div><div></div><div>The final predicted score (range): 195 to 210</div><div></div></div></div></div>