

## Project Development Phase Model Performance Test

Date	20 ovember 2022
Team ID	PNT2022TMID28033
Project Name	Exploratory Analysis of Rain Fall Data in India for Agriculture
Maximum Marks	10 Marks

### Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot																																										
1.	Metrics	<p><b>Regression Model:</b> MAE - , MSE - , RMSE - , R2 score -</p> <p><b>Classification Model:</b> Confusion Matrix - , Accuracy Score- &amp; Classification Report -</p>	<div><div>Experiment summary</div><div>Pipeline comparison</div><div>★ Rank by: Accuracy (Optimized)   Cross validation score</div><table><thead><tr><th></th><th>Rank ↑</th><th>Name</th><th>Algorithm</th><th>Accuracy (Optimized) Cross Validation</th><th>Enhancements</th><th>Build time</th></tr></thead><tbody><tr><td>★</td><td>1</td><td>Pipeline 4</td><td> Snap Boosting Machine Classifier</td><td>1.000</td><td> </td><td>00:03:29</td></tr><tr><td></td><td>2</td><td>Pipeline 3</td><td> Snap Boosting Machine Classifier</td><td>1.000</td><td> </td><td>00:02:24</td></tr><tr><td></td><td>3</td><td>Pipeline 2</td><td> Snap Boosting Machine Classifier</td><td>1.000</td><td></td><td>00:00:49</td></tr><tr><td></td><td>4</td><td><a href="#">Pipeline 1</a></td><td> Snap Boosting Machine Classifier</td><td>1.000</td><td>None</td><td>00:00:13</td></tr><tr><td></td><td>5</td><td>Pipeline 0</td><td> XGB Classifier</td><td>1.000</td><td> </td><td>00:03:40</td></tr></tbody></table><div><a href="#">Save as</a></div></div>		Rank ↑	Name	Algorithm	Accuracy (Optimized) Cross Validation	Enhancements	Build time	★	1	Pipeline 4	Snap Boosting Machine Classifier	1.000		00:03:29		2	Pipeline 3	Snap Boosting Machine Classifier	1.000		00:02:24		3	Pipeline 2	Snap Boosting Machine Classifier	1.000		00:00:49		4	<a href="#">Pipeline 1</a>	Snap Boosting Machine Classifier	1.000	None	00:00:13		5	Pipeline 0	XGB Classifier	1.000		00:03:40
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2.	Tune the Model	Hyperparameter Tuning - Validation Method -	In our project hyperparameter tuning is not needed. So we have not implemented this.																																										