

# Results.

## Precision and Recall.

TABLE 7.2: Precision and Recall of Test Dataset

		Precision				Recall			
		Valence	Arousal	Control	Prediction	Valence	Arousal	Control	Prediction
r	rf	0.83	0.86	0.87	0.83	0.83	0.85	0.86	0.81
	xgb	<b>0.86</b>	0.86	<b>0.88</b>	0.85	<b>0.86</b>	0.86	<b>0.88</b>	0.84
b	rf	0.69	0.69	0.70	0.67	0.68	0.68	0.70	0.63
	xgb	0.72	0.71	0.73	0.69	0.71	0.70	0.73	0.67
s	rf	0.83	0.84	0.86	0.84	0.82	0.84	0.86	0.79
	xgb	0.85	<b>0.88</b>	0.87	<b>0.86</b>	0.85	<b>0.88</b>	0.87	<b>0.86</b>
b_s	rf	0.82	0.85	0.86	0.84	0.80	0.85	0.86	0.79
	xgb	0.85	<b>0.88</b>	0.87	<b>0.86</b>	0.85	<b>0.88</b>	0.87	<b>0.86</b>
a	rf	0.67	0.71	0.73	0.70	0.64	0.71	0.73	0.63
	xgb	0.70	0.74	0.77	0.74	0.69	0.73	0.77	0.71
a_b	rf	0.58	0.60	0.60	0.57	0.57	0.60	0.60	0.53
	xgb	0.56	0.58	0.59	0.56	0.56	0.58	0.59	0.54
a_s	rf	0.59	0.61	0.61	0.61	0.58	0.61	0.61	0.57
	xgb	0.59	0.61	0.62	0.58	0.58	0.61	0.61	0.57
a_b_s	rf	0.58	0.62	0.61	0.61	0.57	0.62	0.60	0.58
	xgb	0.59	0.61	0.62	0.58	0.58	0.61	0.61	0.57

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Standardized Data on XGBoost: ROC Curve.

