

Recommended Results Based On The Experiment Report For Learning-Based Design Tradeoff Selection

Experiment 8 – Sampling Distribution | P (50%) – NP (50%)

	Precision	Recall	F1	Support
0 (NP)	0.73	0.76	0.74	21
1 (P)	0.44	0.40	0.42	10
Accuracy			0.65	31
Macro avg	0.58	0.58	0.59	31
Weighted avg	0.65	0.64	0.65	31

Experiment 10 – Sampling Distribution | P (50%) – NP (50%)

	Precision	Recall	F1	Support
0 (NP)	0.84	0.89	0.87	95
1 (P)	0.62	0.50	0.55	32
Accuracy			0.80	127
Macro avg	0.73	0.70	0.71	127
Weighted avg	0.78	0.80	0.79	127

Experiment 12 – Sampling Distribution | P (60%) – NP (40%)

	Precision	Recall	F1	Support
0 (NP)	0.87	0.90	0.88	89
1 (P)	0.53	0.45	0.49	22
Accuracy			0.81	111
Macro avg	0.70	0.68	0.69	111
Weighted avg	0.80	0.81	0.81	111

Experiment 13 – Sampling Distribution | P (60%) – NP (40%)

	Precision	Recall	F1	Support
0 (NP)	0.81	0.22	0.35	95
1 (P)	0.27	0.84	0.41	32
Accuracy			0.38	127
Macro avg	0.54	0.53	0.38	127
Weighted avg	0.67	0.38	0.36	127

Experiment 14 – Sampling Distribution | P (70%) – NP (30%)

	Precision	Recall	F1	Support
0 (NP)	0.83	0.71	0.77	21
1 (P)	0.54	0.70	0.61	10
Accuracy			0.71	31
Macro avg	0.69	0.71	0.69	31
Weighted avg	0.74	0.71	0.72	31

Experiment 22 – Sampling Distribution | P (60%) – NP (40%)

	Precision	Recall	F1	Support
0 (NP)	0.99	0.33	0.50	2688
1 (P)	0.03	0.91	0.05	51
Accuracy			0.35	2739
Macro avg	0.51	0.62	0.28	2739
Weighted avg	0.97	0.35	0.49	2739