

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

Experiment 1 – Sampling Distribution | Original

	Precision	Recall	F1	Support
0 (NP)	0.88	0.90	0.89	80
1 (P)	0.65	0.60	0.63	25
Accuracy			0.83	105
Macro avg	0.77	0.75	0.76	105
Weighted avg	0.82	0.83	0.83	105

Experiment 5 – Sampling Distribution | P (30%) – NP (70%)

	Precision	Recall	F1	Support
0 (NP)	1.00	0.24	0.38	21
1 (P)	0.38	1.00	0.56	10
Accuracy			0.48	31
Macro avg	0.69	0.62	0.47	31
Weighted avg	0.80	0.48	0.44	31

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

	Precision	Recall	F1	Support
0 (NP)	0.82	0.67	0.74	21
1 (P)	0.50	0.70	0.58	10
Accuracy			0.68	31
Macro avg	0.66	0.68	0.66	31
Weighted avg	0.72	0.68	0.69	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 13 – Sampling Distribution | P (60%) – NP (40%)

	Precision	Recall	F1	Support
0 (NP)	0.84	0.83	0.84	95
1 (P)	0.52	0.53	0.52	32
Accuracy			0.76	127
Macro avg	0.68	0.68	0.68	127
Weighted avg	0.76	0.76	0.76	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 21 – Sampling Distribution | P (50%) – NP (50%)

	Precision	Recall	F1	Support
0 (NP)	0.98	0.84	0.91	2688
1 (P)	0.04	0.31	0.06	51
Accuracy			0.83	2739
Macro avg	0.51	0.58	0.48	2739
Weighted avg	0.97	0.83	0.89	2739