

Workflow	Rank	HGSC	CCOC	ENOC	LGSC	MUC
All	All	All	All	All	All	All
sequential	1	0.938	0.892	0.856	0.943	0.943
two_step	2	0.938	0.917	0.814	0.872	0.875
up_mr	3	0.929	0.914	0.816	0.845	0.88
smote_mr	4	0.933	0.905	0.816	0.845	0.882
up_xgb	5	0.928	0.906	0.83	0.671	0.893
smote_xgb	6	0.926	0.911	0.793	0.754	0.882
hybrid_mr	7	0.932	0.899	0.815	0.868	0.864
hybrid_xgb	8	0.936	0.902	0.79	0.778	0.882
down_xgb	9	0.88	0.899	0.731	0.84	0.906
smote_svm	10	0.923	0.875	0.826	0.814	0.869
hybrid_rf	11	0.923	0.898	0.806	0.689	0.894
down_mr	12	0.905	0.909	0.775	0.874	0.87
hybrid_svm	13	0.923	0.893	0.832	0.814	0.86
up_rf	14	0.905	0.894	0.808	0.59	0.878
smote_rf	15	0.911	0.872	0.797	0.595	0.865
down_rf	16	0.892	0.905	0.746	0.877	0.815
none_svm	17	0.882	0.879	0.778	0.5	0.868
down_svm	18	0.879	0.873	0.757	0.906	0.906
none_rf	19	0.879	0.895	0.741	0.583	0.858
up_svm	20	0.91	0.862	0.799	0.759	0.851
none_mr	21	0.5	0.5	0.5	0.5	0.5
none_xgb	22	0.505	0.5	0.499	0.5	0.5