

Workflow	Rank	HGSC	CCOC	ENOC	LGSC	MUC
All	All	All	All	All	All	All
sequential	1	0.913	0.913	0.858	0.953	0.953
smote_xgb	2	0.943	0.917	0.806	0.823	0.917
hybrid_xgb	3	0.937	0.919	0.814	0.822	0.909
smote_mr	4	0.934	0.912	0.829	0.801	0.885
down_mr	5	0.906	0.924	0.819	0.892	0.898
two_step	6	0.919	0.893	0.819	0.924	0.908
up_xgb	7	0.932	0.905	0.806	0.769	0.909
hybrid_mr	8	0.931	0.911	0.812	0.861	0.893
smote_rf	9	0.92	0.913	0.813	0.653	0.887
up_mr	10	0.928	0.899	0.815	0.81	0.875
down_svm	11	0.89	0.905	0.8	0.932	0.883
up_svm	12	0.918	0.889	0.832	0.767	0.879
hybrid_rf	13	0.929	0.897	0.811	0.726	0.893
smote_svm	14	0.915	0.864	0.81	0.794	0.878
hybrid_svm	15	0.913	0.867	0.835	0.792	0.871
up_rf	16	0.913	0.891	0.813	0.629	0.87
down_rf	17	0.904	0.934	0.702	0.852	0.852
none_svm	18	0.877	0.86	0.813	0.65	0.854
none_rf	19	0.844	0.893	0.69	0.5	0.853
down_xgb	20	0.838	0.902	0.68	0.846	0.796
none_mr	21	0.511	0.505	0.511	0.5	0.5
none_xgb	22	0.508	0.52	0.5	0.5	0.5