

Result for different optimization method

Opt Method Feature + GPML	Conjugate gradient	Particle Swarm Optimization	Original
BAG	0.9760 0.1731	0.9563 0.2086	0.8617 0.3354
Alignment analysis	0.8759 0.34	0.8818 0.36	0.7239 0.53
Index_based	0.65 0.5	0.6818 0.42	0.4192 0.55

Red----correlation coefficient

Black----minimal time window