Boxplot of ARL₀ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1.5, Mean Gap Size of 10, Data Variance of 9 (Outliers in in-control Period) CTM (2:1.96, a:1.5, (0.1, 10))

CTM (2:1.96, a:1.5, 15) CTM (2:1.96, a:1.5, (0.1, 15))
SWM (2:1.96, a:1.5, 20) CTM (Z:1.96, a:1.5, (0.15, 10)) (2:1.96, a:1.5, 30) CTM (Z:1.96, 2:1, 5, (0.1, 20)) WM (2:1.96, 2:1.5, (0.15, 20)) CTM (Z:1.96,8:1.5,10.2.15)) TM (Z:1.96, a:1.5, (0.1, 15)) TM (Z:1.96, a:1.5, (0.1, 20)) MW (5:1:36.3:1.5.10.1,20)) SWM (2.1.96, a.1.5,25) WM (Z:1.96,8:1.5,(0.15, 10)) WM (Z:1.96,8:1.5,(0.15, 15)) CTM (Z:1.96,a:1.5,(0.15, 15)) TM (Z:1,96,8:1,5,(0.15,20)) CTM (Z:1.96, a:1.5, (0.15, 20)) TM (Z.1.96, 2:1.5, (0.2, 10)) TM (2.1.96, a.1.5, (0.2, 15)) WM (Z:1.96,8:1.5,10.2, 15)) TM (Z:1.96,2:1.5,10.2,201) WM (Z:1.96,8:1.5,(0.1.,10)) WM (Z:1,96,8:1,5,(0.1, 15)) TM (Z:1.96, 8:1, 5, (0.15, 10)) TM (Z:1.96, 8:1, 5, (0.15, 15)) WM (Z:1.96, a:1.5, (0.2, 10)) CTM (Z:1.96,3:1.5,10.2,10))

Model (Parameters)

 ARL_0

100