Boxplot of ARL₀ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1.5, Mean Gap Size of 0, Data Variance of 4 (Outliers in out-of-control Period) CTM (Z:1.96, a:1.5, (0.1, 20)) (Z:1.96, a:1.5, 25) CTM (Z:1.96, a:1.5, (0.15, 10)) (2:1.96, a:1.5, 30) CTM (2:1.96, a:1.5, (0.1, 10)) (2:1.96, a:1.5, 15) CTM (Z:1.96, a:1.5, (0.1, 15)) (2:1.96, a:1.5, 20) WM (2:1.96, a:1.5, (0.1.20)) WM (Z:1.96, 2:1.5, (0.15, 10)) CTM (Z:1.96, a:1.5, (0.15, 15)) TM (2:1.96.2:1.5,10.15.20)) WM (2:1.96,2:1.5,10.15,20)) CTM (2:1,96,a:1.5,10,15,20)) CTM (Z:1.96, 3:1.5, (0.2, 10)) CTM (Z:1.96, 2:1.5, (0.2, 15)) WM (Z:1,96,8:1,5,10.1.10)) TM (Z:1.96,a:1.5,(0.1,15)) WM (Z:1,96,8:1,5,(0.1, 15)) TM (2:1.96, a:1.5, (0.1, 20)) TM (Z:1.96, B:1.5, (0.15, 10)) WM (Z:1.96,8:1.5,(0.15,15)) TM (Z:1.96,2:1.5,(0.2,10)) WM (Z:1.96,8:1.5,10.2,10)) TM (Z.1.96,a:1.5,(0.2, 15)) WM (Z:1.96,a:1.5,102,15)) TM (Z:1.96,2:1.5,10.2,201) TM (Z:1,96,3:1,5,10,15,15))

Model (Parameters)

 ARL_0