Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:2, Mean Gap Size of 5, Data Variance of 4 (Outliers in out-of-control Period) CTM (2:1.96, a:2, (0.1, 10)) SWM (2:1.96, a:2, 15) CTM (Z:1.96, a:2, (0.1, 15)) SWM (Z:1.96, a:2,20) CTM (2:1.96,a:2,10.15, 10)) a:2,30) TM (Z:1.96,3:2,(0.1,15)) WM (2:1.96, a:2, (0.1, 15)) TM (Z:1,96,3:2,(0.1,20)) WM (Z:1.96, a:2, (0.1, 20)) CTM (2:1.96, a:2, (0.1, 20)) WM (Z:1.96,8:2,(0.15,20)) WM (Z:1.96,a:2,(0.1,10)) SWM (2.1.96, a.2, 25) WM (Z:1,96,8:2,(0.15,10)) WM (Z:1.96,8:2,(0.15, 15)) CTM (z:1,96,8:2,(0.15, 15)) TM (Z:1.96,a:2,10.15,201) CTM (Z:1.96, 2:2, (0.15, 20)) TM (Z:1.96, 2:2, (0.2, 10)) WM (2:1.96, a:2, (0.2, 10)) CTM (Z:1.96, a:2, (0.2, 10)) TM (2:1,96,3:2,(0.2,15)) WM (z:1.96,a:2,(0.2,15)) CTM (z.1.96, a.2, (0.2, 16)) TM (Z:1.96, a:2, (0.15, 10))

Model (Parameters)

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 ARL_1