Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:2.5, Mean Gap Size of 10 and Data Variance of 9 (No Outliers) CTM (Z:1,96,8:2.5,(0.15,15)) CTM (2:1.96, a: 2.5, (0.1, 10)) WM (Z:1,96,8:2.5,(0.1,15)) WM (Z:1.96,2:2.5,(0.1,20)) WM (z:1.96,a:2.5,(0.15,10)) CTM (2:1.96, a:2.5, (0.15, 10)) WM (z:1.96,a:2.5,10.15, 15)) WM (z:1.96,2:2.5,10.15,20)) CTM (Z:1, 96, 2:2,5, (0.15, 20)) CTM (Z:1,96,a:2.5,10.2,10)) WM (z:1.96, a:2.5, (0.2, 15)) CTM (Z:1.96,2:2.5,10.2,15)) WM (Z:1,96,8:2.5,(0.1,10)) SWM (2:1.96, a:2.5,15) TM (2:1.96, a:2.5, (0.1.15)) CTM (2:1.96, a:2.5, (0.1, 15)) SWM (2.1.96, a.2.5,20) TM (2:1.96, a:2.5, (0.1, 20)) CTM (Z:1.96, 3:2.5, (0.1, 20)) SWM (2:1.96, a.2.5, 25) SWM (2.1.96, a.2.5,30) MM (2:1:96, 3:2.5, (0:2, 10)) TM (Z:1.96,8:2.5,(0.15, 15))

Model (Parameters)

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ARL₁