Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:2.5, Mean Gap Size of 10, Data Variance of 1 (Outliers in in-control Period) CTM (Z:1.96, a:2.5, (0.1, 20))
SWM (Z:1.96, a:2.5, 25) CTM (Z:1.96, a.2.5, (0.15, 10))
CTM (Z:1.96, a.2.5, 30) CTM (Z:1.96, 2:2.5, (0:1, 10)) CTM (2:1.96, 2:2.5, (0:1, 15)) SWM (2:1.96.8.2.5,20) WM (2:1.96,2:2.5,(0.15,20)) CTM (Z:1.96, a:2.5, (0.15, 20)) CTM (Z:1,96,3:2.5,10.2,10)) CTM (2:1.96, 2:2.5, (0.2, 15)) SWM (2.1.96.2.2.5,15) TM (Z:1.96, a:2.5, (0.1, 15)) WM (Z:1,96,8:25,(0.1.,15)) TM (Z:1.96, a:2.5, (0.1, 20)) WM (Z:1.96,2:2.5,(0.1,20)) WM (2:1.96,a:2.5,(0.15, 10)) CTM (Z:1.96,a:25,(0.15, 15)) TM (2.1.96, 2.2.5, (0.2, 10)) WM (Z:1.96, a:2.5, (0.2, 10)) TM (Z:1.96,a:2.5,(0.2, 15)) WM (2:1.96, a:2.5, (0.1, 10)) TM (2:1.96, 8:2.5, (0.15, 10)) TM (Z:1,96,8:2.5,10.15,201)

Model (Parameters)

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 ARL_1