Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1, Mean Gap Size of 10, Data Variance of 9 (Outliers in in-control Period) CTM (z:1.96, a:1,(0.1, 15)) CTM (z.1.96, a.1, (0.1, 20)) SWM (z.1.96, a.1, 25) CTM (Z:1.96,8:1,(0.15,10)) (Z:1.96,8:1,30) SWM (2.1.96, a.1, 15) WW (X:1.98,8:1,(0.1,10)) CTM (2:1.96,a:1,(0.1,10)) TM (Z:1.96, a:1, (0.1, 15)) WM (z:1.96, a:1, (0.1, 15)) TM (Z:1.96,3:1,(0.1,20)) WM (Z:1.96, a:1, (0.1, 20)) CTM (z:1.96,2:1,(0.15, 15)) TM (Z:1.96,a:1,(0.15,20)) WM (Z:1.96, 8:1, (0.15, 20)) CTM (Z:1,96,3:1,(0.15,20)) TM (Z:1.96,3:1,(0.2,10)) WM (z.1.96, a.1, (0.2, 10)) CTM (z:1.96,a:1,(0.2,15)) TM (Z:1,96,a:1,(0,15,10)) WM (Z:1.96,8:1,(0.15, 15))

Model (Parameters)

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 ARL_1