Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1, Mean Gap Size of 1, Data Variance of 9 (Outliers in out-of-control Period) CTM (2:1.96, a:1, (0.1, 15)) SWM (2:1.96, a:1,20) CTM (z:1.96, a:1, (0.1, 201) (z:1.96, a:1, 25) CTM (Z:1.96,8:1,(0.15,10)) (Z:1.96,8:1,30) WM (z:1:96,a:1,(0.1,10)) WM (X:1.96,a:1,(0.1, 15)) TM (Z:1,96,3:1,(0.1,20)) WW (x:1:96, a:1, (0.1, 20)) WM (Z:1.96,8:1,(0.15,20)) CTM (Z:1.96,3:1,(0.15,20)) TM (2:1,96,3:1,(0.2,10)) WM (z:1:96,a:1,(0.2,10)) CTM (z:1.96,a:1,(0:1,10)) TM (Z:1.96,3:1,(0.1, 15)) TM (Z:1.96, a:1, (0.15, 10)) TM [Z:1.96,a:1,10.15,20])

Model (Parameters)

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ARL₁