Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1, Mean Gap Size of 5 and Data Variance of 4 (No Outliers) TM (Z:1.96,3:1,(0.1,15)) WM (Z:1,96,8:1,(0.15, 15)) WM (Z:1,96,8:1,(0.15,20)) WW (x:1.96,a:1,(0.1,10)) CTM (2:1.96, a:1, (0.1, 10)) CTM (Z:1.96,8:1,(0.1, 15)) CTM (2:1.96, a:1, (0.1, 20)) WM (z:1.96, a:1, (0.2, 10)) MW (x:1.98.3:1,(0.1, 15)) SWM (2:1,96,2:1,20) SWM (Z.1.96, a.1,30)

Model (Parameters)

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 $ARL_1$