Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:1, Mean Gap Size of 10, Data Variance of 1 (Outliers in burn-in Period) CTM (Z:1.6449, 2:1, (0.15, 10))
CTM (Z:1.6449, 2:1, 30) CTM (Z:1,6449, a:1,(0.1,20)) WM (Z:1,6449, a:1,10.15, 15)) CTM (2:1.6A49, 2:1, (0.15, 20)) CTM (Z:1.6449, 2:1, (0.1, 10)) SWM (2.1.6449, a.1.15) TM (Z:1, 6449, a:1, (0.1, 15)) WM (2:1.6449, a:1, (0:1, 15)) CTM (Z:1,6449,3:1,(0.1,15)) SWM (2.1.6449, a.1,20) TM (Z:1,6449,3:1,10.1,20)) WM (2:1.6449, a:1,(0.1,20)) SWM (2.1.6449, a.1, 25) TM (2:1.6449, a:1, (0.15, 10)) WM (Z:1,6449,8:1,10.15,10)) TM (Z:1, 6449, 8:1, (0.15, 15)) CTM (Z:1,6449,2:1,(0.15, 15)) TM (Z:1.6449, a:1, (0.15, 20)) WM (2:1.6449, 3:1, (0.15, 20)) TM (2.1.6449,3.1,102,10)) WM (Z:1,6449,2:1,10.2,10)) CTM (Z:1,6449,3:1,(0.2,10)) TM (Z:1,6449,3:1,10.2,151) WM (2:1.6449, a:1, (0.2, 15)) CTM (Z:1 6449, 3:1, (0.2, 15)) TM (Z:1,6449,3:1,102,201)

Model (Parameters)

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 $ARL_1$