Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:3, Mean Gap Size of 10, Data Variance of 1 (Outliers in burn-in Period) CTM (Z:1.6449, 2:3, (0.15, 10))
CTM (Z:1.6449, 2:3, 30) CTM (Z:16449, 2:3, (0.1, 20)) CTM (2:1.6449, a:3, (0.15, 20)) CTM (Z:1.6449, a:3, (0.1, 10)) SWM (2.1.6449, 8:3,15) TM (Z:1,6449,3:3,(0.1,15)) WM (Z:1.6449, 2:3, (0:1, 15)) CTM (Z:1.6449, a:3, (0.1, 15)) SWM (2.1.6449, 2:3,20) TM (Z:1.6449, 2:3, (0.1, 20)) WM (2:1.6449, 2:3, (0:1, 20)) TM (2:1.6449, 8:3, (0.15, 10)) WM (Z:1,6449,8:3,(0.15,10)) WM (Z:1,6449,8:3,(0.15,15)) CTM (Z:1,6449,2:3,(0.15,15)) WM (2:1,6449,3:3,(0.15,20)) TM (2.1.6449, 3.3, (0.2, 10)) WM (Z:1.6449, 2:3, (0.2, 10)) CTM (Z:1,6449, a:3, (0.2, 10)) WM (Z:1.6449, 2:3, 10.2, 15)) CTM (Z:1 6449, a:3, (0.2, 15)) TM (2:1.6449, a.3, (0:15, 20)) TM (Z:1,6449,3:3,(0.2,15))

Model (Parameters)

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ARL<sub>1</sub>