Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:1, Mean Gap Size of 5, Data Variance of 1 (Outliers in in-control Period) CTM (2:2:5759, a:1, (0.1, 20)) CTM (2:2:5759, a:1, (0.1, 10)) SWM (2.25759, a.1, 15) TM [2:2.5759,3:1,(0.1.15)] WM (2:2.5759,a:1,(0.1,15)) CTM (Z:2.5759, 2:1, (0.1, 15)) SWM (2:2.5759, a.1, 20) TM (2:2.5759,3:1,(0.1,20)) WM (2:2:5759,a:1,(0:1,20)) TM (2:2.5759, a:1, (0.15, 10))

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ARL<sub>1</sub>

CTM (Z:2.5759, a:1,0.15, 10))
CTM (Z:2.5759, a:1,30) WM (Z:2.5759, 8:1, (0.15, 15)) CTM (2:2.5759,a:1,10:15,20)) WM (Z:2.5759,a:1,(0.15,10)) CTM (2:2.5759, a:1, (0.15, 15)) TM (2:2.5759, a:1, (0.15, 20)) WM (2:2.5759, a:1, (0.15, 20)) TM (2:2.5759,3:1,102,10)) WM (Z.2.5759, a.7, (0.2, 10)) CTM (Z:2.5759, a:1, (0.2, 10)) TM (2:2.5759,a:1,(0.2,15)) WM (2:2.5759,a:1,10.2,151) Model (Parameters)