Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:2, Mean Gap Size of 10, Data Variance of 1 (Outliers in in-control Period) CTM (2:2.5759, a:2, (0.15, 10))

CTM (2:2.5759, a:2, 30) CTM (2:2:5759, a:2, (0.1, 20)) CTM (2:2.5759, a:2, (0.15, 20)) CTM (2:2:5759, a:2, (0.1, 10)) TM (Z:2.5759,3:2,(0.1., 15)) WM (2:2.5759, a:2,10.1, 151) CTM (Z:25759, a:2, (0.1, 15)) SWM (2.2.5759, a.2,20) TM (Z:2.5759,3:2,(0.1,20)) WM (2:2.5759, a:2,10.1,201) TM (2:2.5759, a:2, (0.15, 10)) WM (2:2.5759, a:2, (0.15, 10)) CTM (2:2.5759, a:2, (0.15, 15)) WM (2:2.5759, a:2, (0.15, 20)) TM (2.2.5759, 3.2, (0.2, 10)) WM (2:25759, a:2, (0.2, 10)) CTM (Z:2.5759, a:2, (0.2, 10)) WM (2:2.5759, a:2,10.2, 151) TM(2:2:5759, a:2,10:15,20)) TM (Z:2.5759,3:2,(0.2, 15))

Model (Parameters)

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 ARL_1