Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:1.5, Mean Gap Size of 5, Data Variance of 4 (Outliers in burn-in Period) CTM (Z:2:5759, 2:1.5, 10.1, 201) WM (Z:2.5759, a:1.5, (0.1.10)) CTM (Z:2.5759, 2:1.5, (0.1, 10)) CTM (Z:2:5759, 2:1.5,10.1,151) WM (2:2.5759, 8:1.5, (0.1, 20)) TM (Z:2.5759, a:1.5, (0.15, 10)) WM (z:2.5759,a:1.5,(0.15,10)) CTM (2:25/59,8:1.5,10.15,10)) CTM (Z:25/59, a:1.5, (0.15, 15)) TM (Z:2.5759, a:1.5, (0.15, 20)) WM (Z:2.5759, a:1.5, (0.15, 20)) CTM (2:2.5759, a:1.5, (0.15, 20)) CTM (Z:2:5759, 2:1.5, 10.2.10)) WM (2:25759, a:1.5, (0.2, 15)) CTM (Z:2:5759, 2:1.5, (0.2.15)) SWM (2.2.5759, a.1.5, 15) TM (Z:2.5759, 2:1.5, (0.1, 15)) WM (2:2.5759, a:1.5, (0.1., 15)) TM (2:2.5759,a:1.5,10.1,20)) TM (Z:2.5759, a:1.5, (0.15, 15)) TM (2:2.5759, a: 1.5, (0.2, 15)) SWM (2:2.5759,2:1.5,20) TM (2:2.5759, 2:1.5, (0.2, 10)) WM (2:25759, a:1, 5, (0.2, 10))

Model (Parameters)

22.5

20.0

17.5

12.5

10.0