Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:2, Mean Gap Size of 10, Data Variance of 9 (Outliers in in-control Period) CTM (Z.1.6449, a.2, (0.15, 10))
CTM (Z.1.6449, a.2, 30) CTM (Z:1.6449, a:2, (0.1, 10)) WM (Z:1,6449,a:2,10.1,201) CTM (2:1.6449, a:2, (0.1, 20)) CTM (2:1, 6A49, a:2, (0.15, 15)) CTM (Z:1,6449,a:2,10:15,20)) SWM (2.1.6449, 8.2.15) TM (Z:1,6449,3:2,(0.1., 15)) WM (2:1.6449, 2:2.(0.1, 15)) CTM (Z:1.6449, a:2, (0.1, 15)) SWM (2.1.6449, a.2.20) TM (Z:1,6449,3:2,10.1,201) SWM (2.1.6449, a.2,25) WM (2:1,6449,3:2,(0.15,10)) TM (2:1.6449, 2:2, (0.15, 20)) WM (2:1,6449,3:2,(0.15,20)) TM (2.1.6449, 3.2, (0.2, 10)) WM (Z:1.6449, 2:2, (0.2, 10)) CTM (Z:1.6449, a:2, (0.2, 10)) TM (Z:1.6449, 3:2, (0.2, 15)) WM (Z:1 6449, a:2, (0.1, 10)) TM (Z:1.6449, a:2, (0.15, 10))

Model (Parameters)

17.5

15.0

12.5

ARL₁

7.5