Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:2, Mean Gap Size of 1 (Outliers in in-control Period) ARL₁ 150 100 CTM (z:1.96, a:2, (0.1, 15)) SWM (z:1.96, a:2, 20) CTM (Z:1.96, a:2, (0.1, 201) (Z:1.96, a:2, 25) CTM (Z:1.96,2:2,0.15, 10))
CTM (Z:1.96,2:2,30) WM (2:1:96, a:2, (0.1, 10)) WM (X:1.96,a.2,(0.1, 15)) WM (Z:1.96, a:2, (0.1, 20)) TM (2:1,96,3:2,(0.2,10)) CTM (Z:1.96, a:2, (0.1, 10)) TM (Z:1.96,3:2,(0.1, 15)) TM (2:1.96, 2:2, (0.1, 20)) TM (2:1.96, a:2, (0.15, 10)) WM (Z:1,96,8:2,(0.15,10)) TM (Z:1.96,a:2,10.15,15)) CTM (2:1.96,a:2,(0.15, 15)) TM (Z.1.96, a.2, (0.15, 20)) WM (Z:1.96, 8:2, (0.15, 20)) CTM (Z:1.96,3:2,(0.15,20)) WM (z:1.96, a:2, (0.2, 10)) CTM (Z:1.96, 3:2, (0.2, 10)) CTM (z:1.96,a:2,(0.2, 15)) SWM (2.1.96, a.2.15)

Model (Parameters)