Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1, Mean Gap Size of 5, Data Variance of 9 (Outliers in out-of-control Period) 20.0 17.5 15.0 7.5 CTM (z:1.96, a:1, (0.1, 201) CTM (z:1.96, a:1, (0.1, 15))
SWM (z:1.96, a:1, 20) CTM (Z:1.96,8:1,(0.15,10))
CTM (Z:1.96,8:1,30) MW (5:1:96.8:1,(0.1,10)) WM (z:1.96, a:1,(0.1, 20)) TM (Z:1.96,a:1,(0.15, 15)) WM (Z:1,96,8:1,(0.15,15)) TM (Z.1.96, a:1, (0.15, 20)) WM (Z:1.96, 2:1, (0.15, 20)) TM (Z:1.96, 3:1, (0.2, 10)) WM (z:1.96, a:1, (0.2, 10)) WM (2:1.96,a:1,(0.2,15)) CTM (z:1.96,a:1,(0.2,15)) CTM (2:1.96.3:1,(0.1,10)) TM (2:1.96,3:1,(0.1,15)) WM (z:1.96,a:1,(0.1, 15)) TM (Z:1.96,3:1,(0.1,20)) WM (Z:1.96, a:1, (0.15, 10)) CTM (Z:1.96,8:1,(0.15, 15)) CTM (Z:1.96,3:1,(0.15,20)) CTM (Z:1.96,3:1,(0.2,10)) TM (2:1.96,3:1,(0.2, 15))

Model (Parameters)