Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:3, Mean Gap Size of 10 and Data Variance of 9 (No Outliers) CTM (2:1.96, a:3, (0.1, 15)) TM (Z:1.96,a:3,(0.1,15)) WM (2:1:96, a:3, (0.1, 15)) TM (Z:1.96,2:3,(0.1,20)) WM (2:1.96, a:3, (0.1, 20)) CTM (2:1.96, 3:3, (0.1, 20)) CTM (Z:1.96, a:3, (0.15, 15)) WM (Z:1.96,8:3,(0.15,20)) CTM (Z:1.96, 2:3, (0.15, 20)) WM (2:1.96, a:3, (0.2, 15)) CTM (2:1.96, a:3, (0.1, 10)) CTM (Z:1.96,2:3,(0.15,10)) TM (Z:1,96,8:3,(0.15,15)) WM (Z:1,96,8:3,(0.15,15)) MW (5:1:06:8:3:(0:2:10)) CTM (Z:1.96,8:3,(0.2,10)) SWM (2:1.96,2:3,15) SWM (2:1.96, a:3,20) SWM (2:1.96, a:3, 25) WM (Z:1.96,8:3,(0.15,10)) SWM (2.1.96, 2.3,30)

Model (Parameters)

350

ARL₁