Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.96 alpha:2, Mean Gap Size of 1, Data Variance of 4 (Outliers in out-of-control Period) 350 300 50 CTM (Z:1.96, a:2, (0.1, 10)) a:2, 15) CTM (z.1.96, a.2, (0.1, 15)) CTM (2:1.96, a:2, (0.1, 20)) SWM (2:1.96, a:2, 25) CTM (Z:1.96,8:2,0.15,10))
CTM (Z:1.96,8:2,30) MW (5:1:06:8:5:(0:1:10)) TM (Z:1.96,3:2,(0.1,15)) WW (x:1.96,a:2,(0.1, 15)) MW (5:1.96, 3:2, (0.1, 20)) WM (Z:1,96,8:2,(0.15,20)) WM (2:1.96, a:2, (0.2, 10)) TM (Z:1.96, 3:2, (0.1, 20)) TM (Z:1,96,3:2,(0.15,10)) WM (Z:1.96,3:2,(0.15,10)) TM (Z:1.96,8:2,(0.15, 15)) WM (Z:1,96,8:2,(0.15,15)) CTM (z:1,96,a:2,(0.15, 15)) TM (2:1.96, a:2, (0.15, 20)) CTM (Z:1.96, 3:2, (0.15, 20)) TM (2:1.96, 2:2, (0.2, 10)) CTM (Z:1,96,3:2,102,10)) TM (2.1.96,2.2,(0.2, 15)) WM (2:1.96, a:2, (0.2, 15)) CTM (z.1.96, a.2, (0.2, 15)) Model (Parameters)