Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1, Mean Gap Size of 10, Data Variance of 9 (Outliers in out-of-control Period) 14 12 10 ARL_1 CTM (Z:1.96, a:1, (0.1, 15)) SWM (Z:1.96, a:1, 20) CTM (z:1.96, a:1, (0.1, 20)) SWM (z:1.96, a:1, 25) CTM (Z:1.96,8:1,(0.15,10)) (Z:1.96,8:1,30) SWM (2.1.96,a.1,15) WM (2:1.96, a:1, (0.1, 16)) WM (Z:1.96, 2:1, (0.1, 20)) WM (Z:1.96, 2:1, (0.15, 20)) WW (X:1.98,8:1,(0.1,10)) CTM (z:1.96,a:1,(0:1,10)) TM (Z:1.96, a:1, (0.1, 15)) TM (Z:1,96,3:1,10.1,20)) CTM (Z:1.96,8:1,(0.15, 15)) TM (Z:1.96,a:1,(0.15,20)) CTM (Z:1.96,3:1,(0.15,20)) WW (5:1:06:8:1,(0:2,10)) WM (Z:1.96, a:1, (0.2, 15)) CTM (z:1.96,a:1,(0.2,15)) TM (Z:1,96,a:1,(0,15,10)) WM (Z:1.96, a:1, (0.15, 15)) TM (Z:1.96,3:1,(0.2,10)) Model (Parameters)