Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1.5, Mean Gap Size of 10, Data Variance of 4 (Outliers in burn-in Period) 16 12 ARL₁ CTM (Z:1.96, a:1.5, (0.15, 10)) (2:1.96, a:1.5, 30) CTM (2:1.96, 2:1.5, (0.1, 10)) SWM (2.1.96, 2.1, 5,20) CTM (Z:1.96, a:1.5, (0.1, 20)) SWM (2.1.96.a.1.5.25) CTM (Z:1,96,a:1.5,(0.15, 15)) WM (2:1.96, 2:1.5, (0.15, 20)) CTM (Z:1.96, a:1.5, (0.15, 20)) CTM (Z:1.96, a: 1.5, (0.2, 10)) WM (Z:1.96,8:1.5,(0.1.10)) SWM (2.1.96, a.1.5, 15) TM (Z:1.96,a:1.5,(0.1.15)) WM (Z:1.96,8:1.5,(0.1, 15)) CTM (2:1:96,8:1.5,(0.1, 15)) TM (Z:1.96,a:1.5,(0.1,20)) WM (Z:1.96,2:1.5,(0.1,20)) WM (Z:1.96,a:1.5,(0.15, 10)) WM (Z:1.98,2:1.5,(0.15, 15)) TM (Z.1.96, a.1.5, (0.2, 10)) WM (Z:1.96, a:1.5, (0.2, 10)) TM (Z:1.96,2:1.5,10.2,20)) TM (Z:1.96, 3:1.5, (0.15, 10)) TM (Z:1.96, 8:1, 5, (0.15, 15)) TM (Z:1,96,3:1,5,(0.15,20)) TM (Z:1.96,a:1.5,(0.2, 15)) CTM (Z:1.96, a:1.5, (0.2, 15)) Model (Parameters)