Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:1.5, Mean Gap Size of 1 (Outliers in out-of-control Period) 300 ARL<sub>1</sub> 100 50 CTM (Z:1,6449, 2:1,5,10.1,10)) CTM (Z:1,6449, a:1,5,10,1,20)) WM (Z:1,6449,a:1.5,10.15,10)) CTM (Z:1.64A9, a:1.5, (0.15, 15)) TM (Z:1.6449, 3:1.5, (0.15, 20)) WM (Z:1,6449,2:1.5,10.15,20)) CTM (Z:1,6449,3:1,5,10.1,15)) SWM (Z.1.6449, 2.1.5,20) TM (Z:1,6449,2:1.5,(0.1,20)) WM (2:1.6449, a:1.5, (0.1, 20)) TM (Z:1,6449, a:1,5,10.15, 10)) TM (Z:1,6449,a:1.5,(0.1,15)) WM (Z:1,6449,8:1,5,10.1,15)) Model (Parameters)