Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:1.5, Mean Gap Size of 5 (Outliers in both\_in\_and\_out Period) WM (Z:1,6449, a:1,5,(0.1,10)) CTM (Z:1.6449.3:1.5,(0.1.,10)) WM (Z:1,6449, a:1,5,10.1,15)) WM (2:1.6449, a:1.5, (0.1, 20)) CTM (Z:1,6449, a:1,5,10,1,20)) SWM (2:1.6449, 2:1.5,15) CTM (Z:1,6449,3:1,5,10.1,15)) SWM (Z:1, 6449, 2:1, 5,20) TM (2:1.6449, a:1.5, (0.1, 20)) TM (Z:1,6449, a:1,5,(0.15, 10)) TM (2:1,6449,a:1.5,(0.1,15))

CTM (Z:1.6449, a:1.5, (0.15, 10))

CTM (Z:1.6449, a:1.5, 30) WM (Z:1.6449, a:1.5, (0.15, 10)) CTM (z.1.6449, a.1.5, (0.15, 16)) TM (Z:16449, 2:1.5, (0.15, 20)) WM (Z:1.6449,2:1.5,10.15,20)) CTM (2:1.6449, a:1.5, (0.15, 20)) CTM (Z:1,6449, a:1.5,10.2, 10)) WM (2:1,6449, a:1,5, (0.2, 15)) CTM (Z:1,6449,3:1.5,10.2,15)) TM (Z:1,6449, a:1,5,(0,15,15)) WM (Z:1.6449, a:1.5, (0.15, 15)) TM (2.1.6449, 2.1.5, (0.2, 10)) WM (2:1,6449,3:1,5,10.2,10)) TM (2:1.6449, a:1.5, (0.2, 15)) Model (Parameters)