Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1.5, Mean Gap Size of 10 (Outliers in both\_in\_and\_out Period) 100 CTM (Z:1.96, a:1.5, (0.1, 10)) (Z:1.96, a:1.5, 15) CTM (Z:1.96, a:1.5, (0.1, 15)) (2:1.96, a:1.5, 20) CTM (Z:1.96, a:1.5, (0.1, 20)) (2:1.96, a:1.5, 25) CTM (Z:1.96, a:1.5, (0.15, 10)) (2:1.96, a:1.5, 30) CTM (Z:1.96,a:1.5,(0.15, 15)) WM (Z:1.96, 2:1.5, (0.15, 20)) CTM (2:1.96, a:1.5, (0.15, 20)) CTM (2:1.96, a:1.5, (0.2, 15)) TM (Z:1.96,a:1.5,(0.1, 15)) WM (Z:1,96,8:1,5,(0.1, 15)) TM (Z:1.96, a:1.5, (0.1, 20)) WM (Z:1.96, a:1.5, (0.1, 20)) WM (Z:1.96,2:1.5,(0.15, 10)) WM (Z:1.96,8:1.5,(0.15, 15)) TM (Z:1,96,8:1,5,(0.15,20)) TM (Z.1.96, a.1.5, (0.2, 10)) TM (Z.1.96, a.1.5, (0.2, 20)) WM (Z:1,96,8:1,5,(0.1,10)) TM (Z:1.96, 8:1, 5, (0.15, 10)) TM(Z:1,96,8:1,5,10,15,15)) WM (Z:1.96, a:1.5, (0.2, 10)) CTM (2:1.96,3:1.5,10.2,10)) TM (Z:1.96, a:1.5, (0.2, 15))

Model (Parameters)