Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.96 alpha:2.5, Mean Gap Size of 10, Data Variance of 9 (Outliers in burn-in Period) CTM (Z:1.96,3:2.5,10.1,201)
SWM (Z:1.96,8:2.5,25) CTM (Z:1.96, a:25, (0.1, 10))
SWM (Z:1.96, a:2.5, 15) CTM (Z:1.96, a:2.5, (0.1, 15))
SWM (Z:1.96, a:2.5, 20) WM (2:1.96, 2:2.5, (0:1, 20)) WM (Z:1,96,8:2.5,(0.1.,10)) TM (2.1.96, a.2.5, (0.1, 15)) WM (Z:1.96,3:2.5,(0.1, 15)) TM (2:1.96, a:2.5, (0.1, 20)) TM (2:1.96,8:2.5,10.15,10))

ARL<sub>1</sub>

CTM (Z:1.96,3:2.5,(0.15,20))
TM (Z:1.96,3:2.5,(0.2,10)) CTM (Z:1.96,a:2.5,(0.15,10))
SWM (Z:1.96,a:2.5,30) WM (Z:1.96,8:2.5,(0.15, 10)) CTM (Z:1.96,a:2.5,(0.15, 15)) WM (Z:1.96, 2:2.5, (0.15, 20)) TM (2:1.96.3:2.5,10.15,201) WM (Z:1.96, a:25, (0.2, 10)) CTM (2:1,96,3:2.5,10.2,10)) Model (Parameters)