Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:2.5, Mean Gap Size of 10, Data Variance of 9 (Outliers in both\_in\_and\_out Period) 17.5 15.0 12.5 7.5 CTM (z.2.5759, a.2.5, (0.15, 10))
SWM (z.2.5759, a.2.5,30) WM (Z:2.5759, 8:2.5, (0.1, 10)) CTM (Z:2:5759, 3:2:5,10.1, 10)) CTM (Z:2:5759, a:2:5,10.1, 15)) WM (2:2.5759, a:2.5, (0.1, 20)) CTM (Z:2.5759, 3:2.5, (0.1, 20)) TM (Z:2.5759, a:2.5, (0.15, 10)) WM (2:2.5759, a:2.5, (0.15, 10)) CTM (2:25/59, a:2.5, (0.15, 15)) TM (Z:2.5759, a:2.5, (0.15, 20)) WM (2:2.5759,a:2.5,10.15,20)) CTM (2:25/59, a:2.5, (0.15, 20)) CTM (Z:2.5759, 2:2.5, 10.2.10)) WM (2:2.5759, a:2.5, (0.2, 15)) CTM (Z:2:5759, 3:2:5, 10.2, 15)) SWM (2:2.5/159,a:2.5,15) TM (2:2.5759, a:2.5, (0.1, 15)) WM (2:2.5759, a:2.5, (0.1, 15)) SWM (2:2.5759,2:2.5,20) TM (2:2.5759, a:2.5, (0.1, 20)) TM (2:2.5759, a:2.5, (0.15, 15)) TM (Z:2.5759, 3:2.5, (0.2, 10)) WM (2:2.5759, a:2.5, (0.2, 10)) TM (2:2.5759, a:2.5, (0.2, 15)) TM (Z:2.5759, 2:2.5, (0.2, 20))

Model (Parameters)