Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:1, Mean Gap Size of 0, Data Variance of 4 (Outliers in in-control Period) CTM (Z:1.6449, a:1, (0:1, 201) SWM (Z:1.6449, a:1, 25) CTM (Z:1.6449, a:1, (0.1, 10))
SWM (Z:1.6449, a:1, 15) CTM (Z:1.6449, a:1, (0.1, 15))
SWM (Z:1.6449, a:1, 20) CTM (Z.1.6449, 2.1, (0.15, 10))
CTM (Z.1.6449, 2.1, 30) WM (Z:1.6449, 2:1, (0.15, 20)) CTM (Z:1,6449,a:1,10.15,15)) CTM (Z:1,6449,2:1,10.15,20)) CTM (2:1 6449, a:1, (0.2, 15)) WM (5:1.6449.3:1,(0.1,10)) TM (Z:1,6449,8:1,(0.1,15)) MM (2:1.6449, a:1, (0.1, 15)) TM (Z:1,6449,2:1,(0.1,20)) MW (5:1:6449, 3:1, (0:1, 20)) TM (Z:1,6449, a:1, (0.15, 10)) WM (2:1,6449,3:1,(0.15,10)) WM (Z:1.6449, a:1, (0.15, 15)) TM (2.7.6449, 2.7. (0.15, 201) TM (2.1.6449, a.1, (0.2, 10)) WM (Z:1,6449,a:1,(0.2,10)) CTM (Z:1,6449, a:1, (0.2, 10)) TM (2.1.6449, a.1. (0.2.15)) WM (Z:1.6449, a:1, (0.2, 15))

Model (Parameters)

 $ARL_0$