Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1, Mean Gap Size of 0, Data Variance of 1 (Outliers in out-of-control Period) TM (Z:1.96, a:1, (0.1, 20))
WM (Z:1.96, a:1, (0.1, 20)) CTM (2:1.96,a:1,10.15,20))
TM (2:1.96,a:1,10.2,10)) CTM (Z:1.96, 8:1, (0.1, 10)) (Z:1.96, 8:1, 15) CTM (z:1.96, a:1, (0.1, 15)) SWM (z:1.96, a:1, 20) CTM (2:1.96, a:1, (0.1, 20)) SWM (2:1.96, a:1, 25) CTM (Z:1.96,8:1,10.15,10))
CTM (Z:1.96,8:1,30) WM (z:1:96,3:1,(0.1,10)) WM (z:1:96,a:1,(0.1,15)) TM (2:1.96, a:1, (0.15, 20)) WM (Z:1.96,8:1,10.15,20))

Model (Parameters)

 $ARL_0$