Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:0.95, Mean Gap Size of 1, Data Variance of 1 (Outliers in both\_in\_and\_out Period)  $ARL_1$ CT (1.6449,0.95,0.1.15),20) W (1.6449, 0.95, 0.15, 15) T(1.6449,0.95,0.15,25) W (1.6449, 0.95, 0.15, 25) CT (1.6449, 0.95, 0.15, 25) CT (1.6449,0.95,02,10) W (1.6449, 0.95, 0.1, 15) T (1.6449,0.95,0.1,20) W(1.6449,0.95,0.1,20) CT (1.6449,0.95,0.15,10) T (1.6449,0.95,0.15,15) CT (1.6449,0.95,0.15,15) T (1.6449,0.95,0.15,20) W (1.6449, 0.95, 0.15, 20) CT (1.64A9, 0.95, 0.15, 20) T (1.6449, 0.95, 0.2, 10) W (1.6449,0.95,02,10) CT (1.6449,0.95,0.2,15)

Model (Parameters)