Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:2.5, Mean Gap Size of 10, Data Variance of 1 (Outliers in both\_in\_and\_out Period) 12  $ARL_1$ CT (1.6449, 2.5, 0.15, 25) 2, 10) CT (1,6449, 25, 20) CT (1.6449, 25, 0.1, 20), 25) CT (1.6449, 2.5, 0.1, 25), 30) W(1.6449, 25, 0.1, 15) W (1.6449, 25, 0.1, 20) T (1,6449,25,0.1,25) T (1.6449, 2.5, 0.15, 10) CT (1.6449, 2.5, 0.15, 10) T (1.6449, 2.5, 0.15, 15) W(1.64A9, 25, 0.15, 15) CT (1.6449, 25, 0.15, 15) T (1.6449, 2.5, 0.15, 20) W(1.6449, 2.5, 0.15, 20) CT (1.6449, 2.5, 0.15, 20) T(1.64A9, 2.5, 0.15, 25) W (1.64A9, 25, 0.15, 25) CT (1.8449, 25, 0.2, 10) 7(1.6449, 25, 0.2, 15) W (1.6449, 25, 0.2, 15) CT (1.6449, 2.5, 0.2, 15) T(1.6449, 25, 0.2, 20) W (1.6449, 25, 0.2, 20) W (1.6449, 25, 0.1, 10) T (1,6449,25,0.1,15) T(1,6449,2.5,0.1,20) W (1.8449, 25, 0.1, 25) W(1.6449, 25, 0.15, 10) W (1.6449, 25, 0.2, 10)

Model (Parameters)