Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:1.0, Mean Gap Size of 10 (Outliers in both\_in\_and\_out Period)

 $ARL_1$ 

CT (1.6449, 10, 26) CT (1.6449, 10,0.15,25) 2,10) CT (1,6449,10,6449,10,20) CT (1.6449, 10, 6449, 10, 30) W(1.6449, 10,0.1,20) CT (1.6449, 1.0, 0.15, 15) CT (1.6449, 1.0, 0.15, 20) W (1.6449, 1.0, 0.15, 25) W (1.6449, 10, 0.2, 10) CT (1.6449, 1.0, 0.2, 10) 7(1.6449, 10,02,15) CT (1.6449, 1.0, 0.2, 15) W (1.6449, 10, 0.1, 10) T (1,6449,10,0.1,15) W (1.6449, 10, 0.1, 15) T (1.6449, 1.0,0.1,20) T(1,6449,10,0.1,25) W (1.6449, 10, 0.1, 25) T (1,6449, 1.0,0.15,10) CT (1.6449, 1.0, 0.15, 10) T (1.6449, 1.0, 0.15, 15) W(1.6449, 1.0, 0.15, 15) T (1.6449, 1.0, 0.15, 20) W (1.6449, 1.0, 0.15, 20) T (1.8449, 1.0, 0.15, 25) W(1.6449, 10, 0.2, 15) T(1.6449, 10, 0.2, 20) Model (Parameters)