Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:1.96 alpha:0.95, Mean Gap Size of 1 (Outliers in both\_in\_and\_out Period)

 $ARL_0$ 

CT (1.96,0.95,0.15,26)

CT (1.96,0.95,0.95,0.15,25) W(1.96,0.95,0.1,25) 0.1,25) 30) CT (1.96, 0.95, 0.15, 15) CT (1.96, 0.95, 0.15, 20) CT (1.96,0.95,0.2,10) CT (1.96.0,95,0.96,0.96,20) CT (1.96. 0.95, 0.1, 20), 25) W(1.96,0.95,0.15,20) T (1.96,0.95,0.1,15) W(1.96,0.95,0.1,15) T (1.96,0.95,0.1,20) W(1.96,0.95,0.1,20) T(1,96,0,95,0,1,25) 7 (1.96,0.95,0.15,10) W(1.96,0.95,0.15,10) W (1.96,0.95,0.15,15) W(1.96,0.95,0.2,10) CT (1.96,0.95,0.2,10) 7(1.96,0.95,0.2,15) W(1.96,0.95,0.2,15) CT (1.96,0.95,0.2,15) 7(1.96,0.95,0.2,20) Model (Parameters)