Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:1, Mean Gap Size of 10 (Outliers in both\_in\_and\_out Period) CTM (Z:1:6449, 3:1, (0.1, 20)) CTM (Z:1.6449.3:1,(0.15,10)) CTM (2:1.6A49, 2:1, (0.15, 20)) CTM (Z:1.6449, 2:1, (0.1, 10)) SWM (2.1.6449, a.1, 15) TM (Z:1,6449,3:1,10.1,151) WM (Z:1.6449, a:1, (0.1, 15)) CTM (Z:1.6449, 3:1, (0.1, 15)) SWM (2.1.6449, a.1,20) TM (Z:1.6449, 3:1, (0.1, 20)) WM (Z:1.6449, a:1,(0.1, 20)) TM (Z:1.6449, a:1, (0.15, 10)) WM (Z:1,6449,3:1,(0.15,10)) WM (Z:1,6449,8:1,(0.15, 15)) CTM (Z:1,6449,2:1,(0.15, 15)) TM (Z:1.6449, a:1, (0.15, 20)) WM (2:1,6449,3:1,10.15,20)) TM (2.1.6449, 3.1, (0.2, 10)) WM (Z:1, 6449, 3:1, (0.2, 10)) CTM (Z:1 6449, 3:1, (0.2, 10)) TM (Z:1,6449,3:1,10.2,151)

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 $ARL_1$ 

Model (Parameters)