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 and Data Variance of 9 (No Outliers) 12  $ARL_1$ CTM (Z:1.6449, a:1, (0:15, 10)) CTM (2:1.64A9, a:1, (0.15, 15)) WM (2:1,6449,8:1,10.15,20)) CTM (Z:1.6449, 2:1, (0.15, 20)) WM (Z:1, 6449, 8:1, (0.15, 10)) WM (Z:1, 6449, 8:1, (0.15, 15)) MW (5:1:6449,8:1,10.2,10)) MW (5:1:6449,8:1,10.2,151) CTM (Z:1,6449,8:1,10.2,15)) WM (2:1.6449, a:1, (0.1, 10)) CTM (Z:1,6449,8:1,(0.1,10)) SWM (2.1.6449, 8.7, 15) TM (Z:1,6449,3:1,10.1,151) WM (Z:1, 6449, a:1, (0.1, 15)) CTM (Z:1,6449,8:1,10.1,15)) SWM (2.1, 6449, a.1, 20) TM (Z:1,6449, a:1, (0.1,20)) WM (2:1.6449, a:1,(0.1,20)) CTM (Z:1,6449,3:1,10.1,20)) SWM (2.1. 6449, 2.1, 25) TM (Z:1.6449, a:1, (0.15, 15)) CTM (Z:1,6449, a:1, (0.2, 10)) TM (2:1.6449, a:1, (0.15, 10))

Model (Parameters)