Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:2, Mean Gap Size of 10 (Outliers in burn-in Period)  $ARL_1$ CTM (Z:1.6449, 2:2, (0.1, 20)) CTM (Z:1,6449,a:2,10.15,201) CTM (Z:1.6449, a:2, (0.1, 10)) TM (Z:1.6449, 3:2, (0.1, 15)) WM (Z:1,6449, a:2,10.1,15)) CTM (2:1.6449, a:2, (0.1, 15)) SWM (Z.1.6449, a.2,20) TM (Z:1.6449, 3:2, (0.1, 20)) WM (Z:1,6449, a:2,10.1,201) TM (2:1.6449, 2:2, (0.15, 10)) WM (2:1,6449,3:2,(0.15,10)) CTM (Z:1,6449,2:2,(0.15,15)) TM (2:1.6449, a:2, (0.15, 20)) WM (2:1.6449,3:2,(0.15,20)) TM (Z.1.6449, 3.2, (0.2, 10)) WM (Z:1,6449,2:2,10.2,10)) CTM (Z:1.6449, a:2, (0.2, 10)) Model (Parameters)