Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1, Mean Gap Size of 5, Data Variance of 1 (Outliers in out-of-control Period) CTM (z:1.96, a:1,(0.1, 15)) CTM (z.1.96, a.1, (0.1, 20)) SWM (z.1.96, a.1, 25) CTM (z:1.96,a:1,(0.15, 10)) (z:1.96,a:1,30) CTM (Z:1,96,3:1,(0.15,20)) MW (x:1.98,8:1,(0.1,10)) CTM (2:1.96, a:1, (0.1, 10)) TM (Z:1.96, a:1, (0.1, 15)) WM (z:1.96, a:1, (0.1, 15)) TM (Z:1.96,3:1,(0.1,20)) WM (Z:1.96, a:1, (0.1, 20)) WM (Z:1,96,8:1,(0.15,10)) WM (Z:1.96,8:1,(0.15, 15)) CTM (z:1,96,8:1,(0.15, 15)) TM (2:1.96,a:1,(0.15,20)) WM (Z:1,96,8:1,(0.15,20)) TM (Z:1.96,3:1,(0.2,10)) WM (z.1.96, a.1, (0.2, 10)) CTM (Z:1.96.3:1,10.2,10)) TM (Z:1,96,3:1,(0.2,15)) WM (z:1.96,a:1,(0.2,15)) CTM (z.1.96, a.1, (0.2, 15)) SWM (2.1.96, a.1, 15) TM (Z:1.96,a:1,(0.15,10)) Model (Parameters)

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 ARL_1