Boxplot of ARL₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1.5, Mean Gap Size of 10, Data Variance of 4 (Outliers in in-control Period) CTM (Z:1.96, a:1.5, (0.1, 20))
SWM (Z:1.96, a:1.5, 25) CTM (Z:1.96, 2:1.5, (0.15, 10)) (Z:1.96, 2:1.5, 30) CTM (2:1.96, 2:1.5, (0:1.10)) CTM (Z:1.96, 2:1, 5, (0.1, 15)) SWM (2.1.96, 2.1.5,20) WM (Z:1.96,8:1.5,10.15,15)) CTM (Z:1,96,a:1.5,(0.15, 15)) WM (Z:1.96,2:1.5,10.15,20)) CTM (2:1.96, a:1.5, (0.15, 20)) CTM (2:1.96, a:1.5, (0.2, 10)) CTM (2:1.96, 2:1.5, (0.2, 15)) SWM (2.1.96.2.1.5.15) TM (Z:1.96, a:1.5, (0.1, 15)) WM (Z:1,96,8:1,5,10.1,15)) TM (Z:1.96,a:1.5,(0.1,20)) WM (2:1.96, 2:1.5, (0:1, 20)) WM (Z:1.96,a:1.5,(0.15, 10)) TM (Z.1.96, a.1.5, (0.2, 10)) WM (Z:1.96,8:1.5,10.2,10)) TM (2.1.96, a.1.5, (0.2., 15)) WM (Z:1,96,8:1,5,(0.1,10)) TM (2:1.96, 8:1.5, 10.15, 10)) TM (Z:1.96, 8:1, 5, (0.15, 20))

Model (Parameters)

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 ARL_1