Boxplot of *ARL*₁ for Various Models on Streaming Data with z and alpha: z:1.96 alpha:2.5, Mean Gap Size of 5 (Outliers in both_in_and_out Period)

250 ARL₁ 150 CTM (Z:1.96, a:2.5, (0.1, 10))
SWM (Z:1.96, a:2.5, 15) CTM (Z:1.96, a:2.5, (0.1, 15))
SWM (Z:1.96, a:2.5, 20) CTM (Z:1.96, 2:25, (0.15, 10)) (Z:1.96, 2:25,30) CTM (2:1.96, 2:2.5, (0.1, 20)) WM (Z:1.96, a:2.5, (0.15, 20)) WM (Z:1,96,8:25,(0.1.10)) TM (Z.1.96,a.2.5,(0.1, 15)) WM (Z:1,96,8:25,(0.1.,15)) WM (Z:1,96,3:2.5,(0.1,20)) SWM (2.1.96, a.2.5,25) WM (Z:1.96,2:2.5,(0.15, 10)) CTM (Z:1.96,a:2.5,(0.15, 15)) TM (Z:1.96, 3:2.5, (0.15, 20)) CTM (2:1.96, a:2.5, (0.15, 20)) TM (2.1.96, a.2.5, (0.2., 10)) TM (Z:1.96, a:2.5, (0.1, 20)) TM (Z:1.96, 8:2.5, (0.15, 10)) WM (Z:1.96,8:25,(0.2, 10)) CTM (2:1.96,3:2.5,10.2,10)) TM (Z:1.96, a:2.5, (0.2, 15)) Model (Parameters)

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