Boxplot of ARL<sub>1</sub> for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1, Mean Gap Size of 1 (Outliers in both\_in\_and\_out Period)

ARL<sub>1</sub> CTM (z:1.96, a:1, (0.1, 15)) SWM (z:1.96, a:1, 20) CTM (z:1.96, a:1, (0.1, 201) (z:1.96, a:1, 25) CTM (Z:1.96, a:1, (0.15, 10))
SWM (Z:1.96, a:1,30) WM (z:1.96,a:1,(0.1,10)) CTM (z:1.96,a:1,(0:1,10)) TM (Z:1.96, a:1, (0.1, 15)) WM (X: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)) TM (Z:1.96,a:1,(0.15, 15)) WM (Z:1.96,8:1,(0.15,20)) CTM (Z:1.96,3:1,10.15,20)) TM (Z:1.96,3:1,(0.2,10)) WM (z:1.96, a:1, (0.2, 10)) TM (Z:1.96,a:1,10.15,10)) WM (Z:1.96, a:1, (0.15, 10)) CTM (Z:1.96,8:1,(0.15, 15)) TM(Z:1.96,a:1,10.15,201) CTM (Z:1.96, 3:1, (0.2, 10)) TM (Z:1.96,3:1,(0.2, 15)) WM (2:1.96,a:1,(0.2,15)) CTM (z.1.96, a.1, (0.2, 15)) Model (Parameters)

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