Boxplot of ARL1 for Various Models on Streaming Data with z and alpha: z:2.5759 alpha:1.5, Mean Gap Size of 5, Data Variance of 9 (Outliers in both\_in\_and\_out Period)  $ARL_1$ CTM (Z:2.5759, a:1.5, 201, 15))
SWM (Z:2.5759, a:1.5, 20) CTM (Z:2.5759, a:1.5, (0.15, 10))
SWM (Z:2.5759, a:1.5,30) CTM (Z:2:5759, 3:1.5, (0.1., 10)) WM (Z:2.5759, 8:1, 5, (0.1, 20)) CTM (Z:2.5759, 3:1.5, (0.1, 20)) TM (2:2.5759, a:1.5, (0.15, 10)) WM (Z:2.5759,a:1.5,10.15,10)) TM (2:2.5759, a:1.5, (0.15, 20)) WM (Z:2.5759, 2:1.5, (0.15, 20)) CTM (2:25/59, a:1.5, (0.15, 20)) WM (Z:2.5759, a:1.5, (0.2.10)) WM (Z:2.5759, a.1.5, (0.2, 15)) CTM (Z:2.5759, a:1.5, (0.2, 15)) SWM (2.2.5759, a.1.5,15) WM (2:2.5759, a:1.5, (0.1., 15)) TM (2:2.5759, a: 1.5, (0.1, 20)) SWM (Z.2.5759, a.1.5, 25) CTM (2:2.5759, a:1.5, (0.15, 15)) TM (Z:2.5759, a: 1.5, (0.2, 10)) CTM (2:2.5759, a:1.5, (0.2, 10)) TM (2:2.5759, a: 1.5, (0.2, 15)) TM (Z:2.5759, 2:1.5, (0.2, 20)) TM (2:2.5759,a:1.5,(0.1,15)) Model (Parameters)