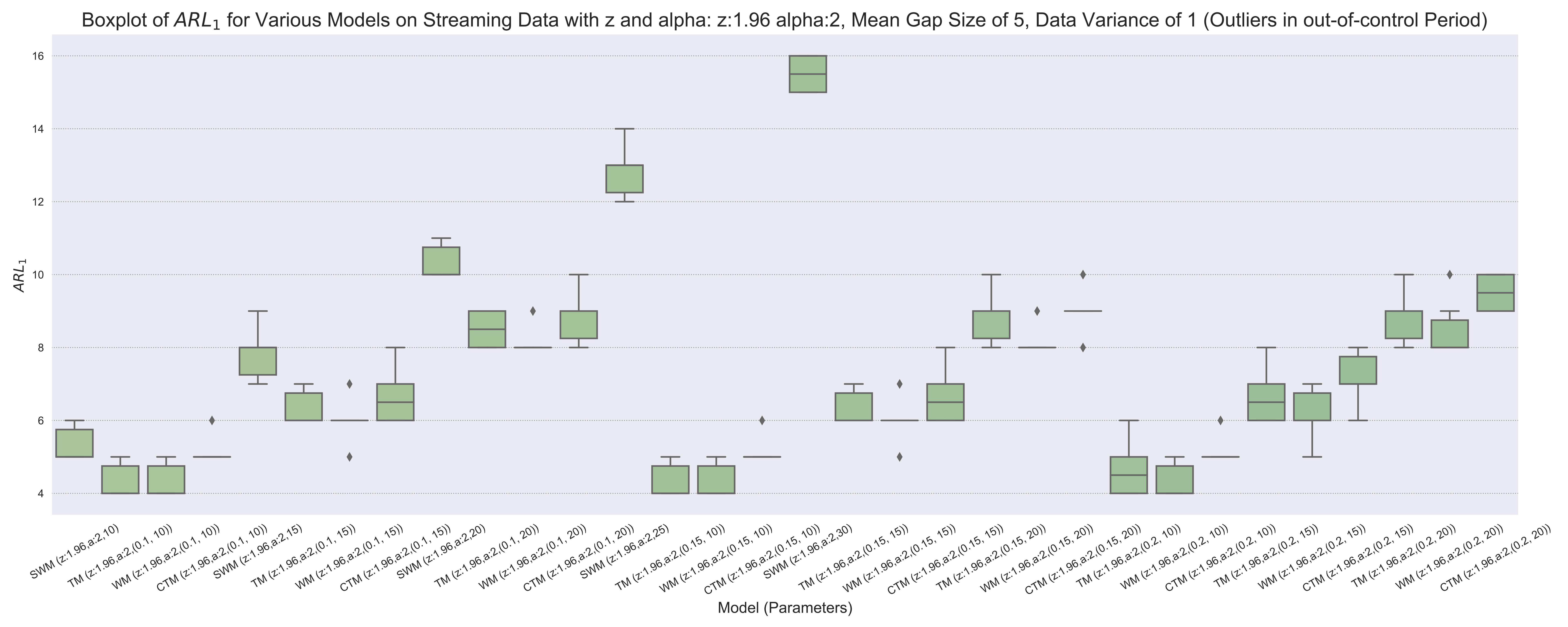
Boxplot of ARL_1 for Various Models on Streaming Data with z and alpha: z:1.96 alpha:2, Mean Gap Size of 5, Data Variance of 1 (Outliers in out-of-control Period)
ARL_1
16
14
12
10
8
6
4
SWM (z:1.96,a:2,10)
TM (z:1.96,a:2,(0.1, 10))
WM (z:1.96,a:2,(0.1, 10))
CTM (z:1.96,a:2,(0.1, 10))
SWM (z:1.96,a:2,15)
TM (z:1.96,a:2,(0.1, 15))
WM (z:1.96,a:2,(0.1, 15))
CTM (z:1.96,a:2,(0.1, 15))
SWM (z:1.96,a:2,20)
TM (z:1.96,a:2,(0.1, 20))
WM (z:1.96,a:2,(0.1, 20))
CTM (z:1.96,a:2,(0.1, 20))
SWM (z:1.96,a:2,25)
TM (z:1.96,a:2,(0.15, 10))
WM (z:1.96,a:2,(0.15, 10))
CTM (z:1.96,a:2,(0.15, 10))
SWM (z:1.96,a:2,30)
TM (z:1.96,a:2,(0.15, 15))
WM (z:1.96,a:2,(0.15, 15))
CTM (z:1.96,a:2,(0.15, 15))
TM (z:1.96,a:2,(0.15, 20))
WM (z:1.96,a:2,(0.15, 20))
CTM (z:1.96,a:2,(0.15, 20))
TM (z:1.96,a:2,(0.2, 10))
WM (z:1.96,a:2,(0.2, 10))
CTM (z:1.96,a:2,(0.2, 10))
TM (z:1.96,a:2,(0.2, 15))
WM (z:1.96,a:2,(0.2, 15))
CTM (z:1.96,a:2,(0.2, 15))
TM (z:1.96,a:2,(0.2, 20))
WM (z:1.96,a:2,(0.2, 20))
CTM (z:1.96,a:2,(0.2, 20))
Model (Parameters)