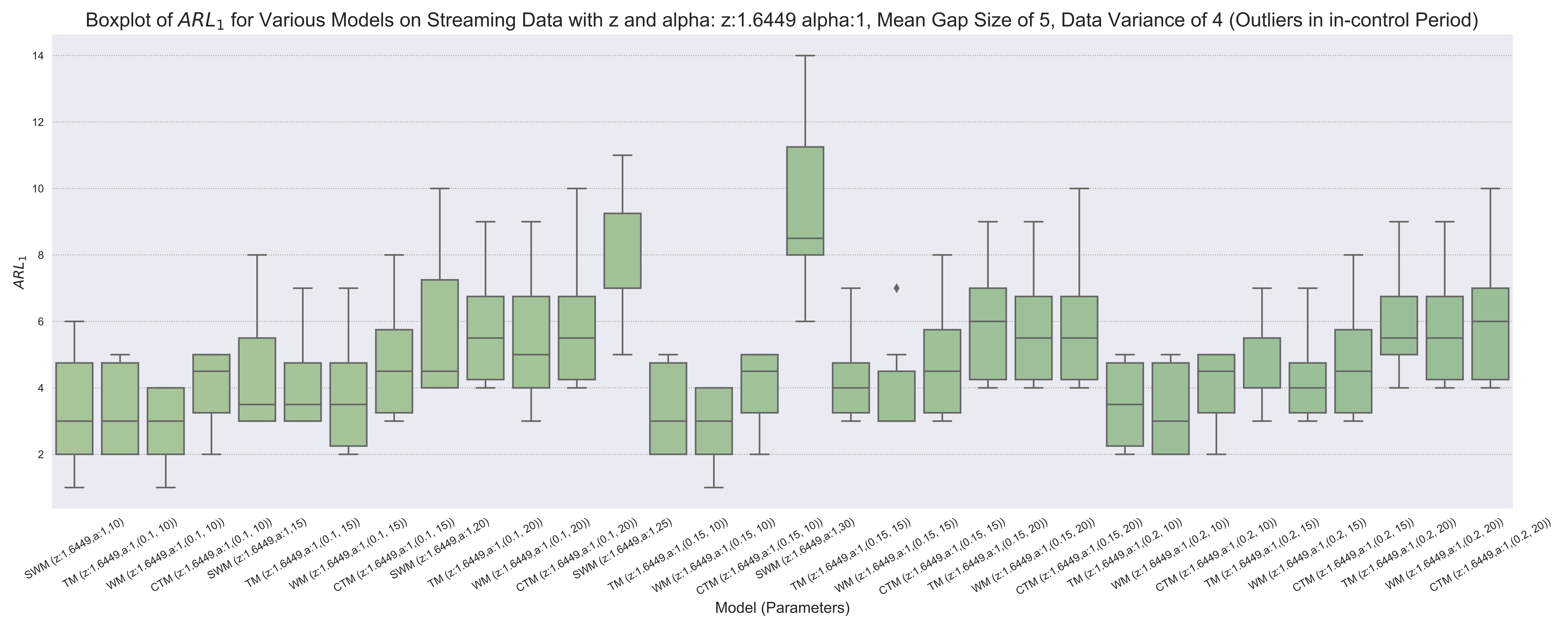
Boxplot of ARL_1 for Various Models on Streaming Data with z and alpha: z:1.6449 alpha:1, Mean Gap Size of 5, Data Variance of 4 (Outliers in in-control Period)
ARL_1
2
4
6
8
10
12
14
Model (Parameters)
SWM (z:1.6449,a:1,10)
TM (z:1.6449,a:1,(0.1, 10))
WM (z:1.6449,a:1,(0.1, 10))
CTM (z:1.6449,a:1,(0.1, 10))
SWM (z:1.6449,a:1,15)
TM (z:1.6449,a:1,(0.1, 15))
WM (z:1.6449,a:1,(0.1, 15))
CTM (z:1.6449,a:1,(0.1, 15))
SWM (z:1.6449,a:1,20)
TM (z:1.6449,a:1,(0.1, 20))
WM (z:1.6449,a:1,(0.1, 20))
CTM (z:1.6449,a:1,(0.1, 20))
SWM (z:1.6449,a:1,25)
TM (z:1.6449,a:1,(0.15, 10))
WM (z:1.6449,a:1,(0.15, 10))
CTM (z:1.6449,a:1,(0.15, 10))
SWM (z:1.6449,a:1,30)
TM (z:1.6449,a:1,(0.15, 15))
WM (z:1.6449,a:1,(0.15, 15))
CTM (z:1.6449,a:1,(0.15, 15))
TM (z:1.6449,a:1,(0.15, 20))
WM (z:1.6449,a:1,(0.15, 20))
CTM (z:1.6449,a:1,(0.15, 20))
TM (z:1.6449,a:1,(0.2, 10))
WM (z:1.6449,a:1,(0.2, 10))
CTM (z:1.6449,a:1,(0.2, 10))
TM (z:1.6449,a:1,(0.2, 15))
WM (z:1.6449,a:1,(0.2, 15))
CTM (z:1.6449,a:1,(0.2, 15))
TM (z:1.6449,a:1,(0.2, 20))
WM (z:1.6449,a:1,(0.2, 20))
CTM (z:1.6449,a:1,(0.2, 20))