Computer Network Lab 3 Report

Chao Xin   *Yimin Liu*

cxin@andrew.cmu.edu   yiminliu@andrew.cmu.edu

1 Experiments

We experimented the proxy on the dumbbell topology with $\alpha = 0.1$ 0.5 and 0.9. Here is the experiment data we get.

2 Analysis

It can be seen from the plot that lower α can achieve higher smoothness. While higher α can achieve better fairness. The utilization varies a lot and obvious patterns can't be found.
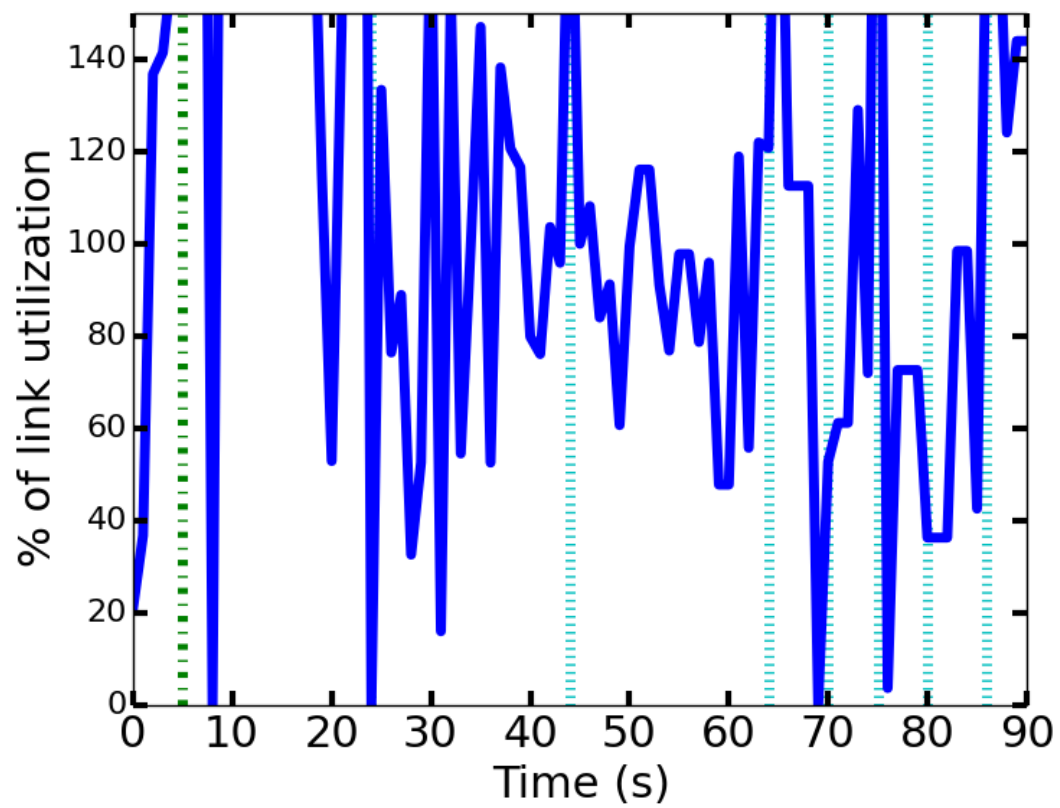
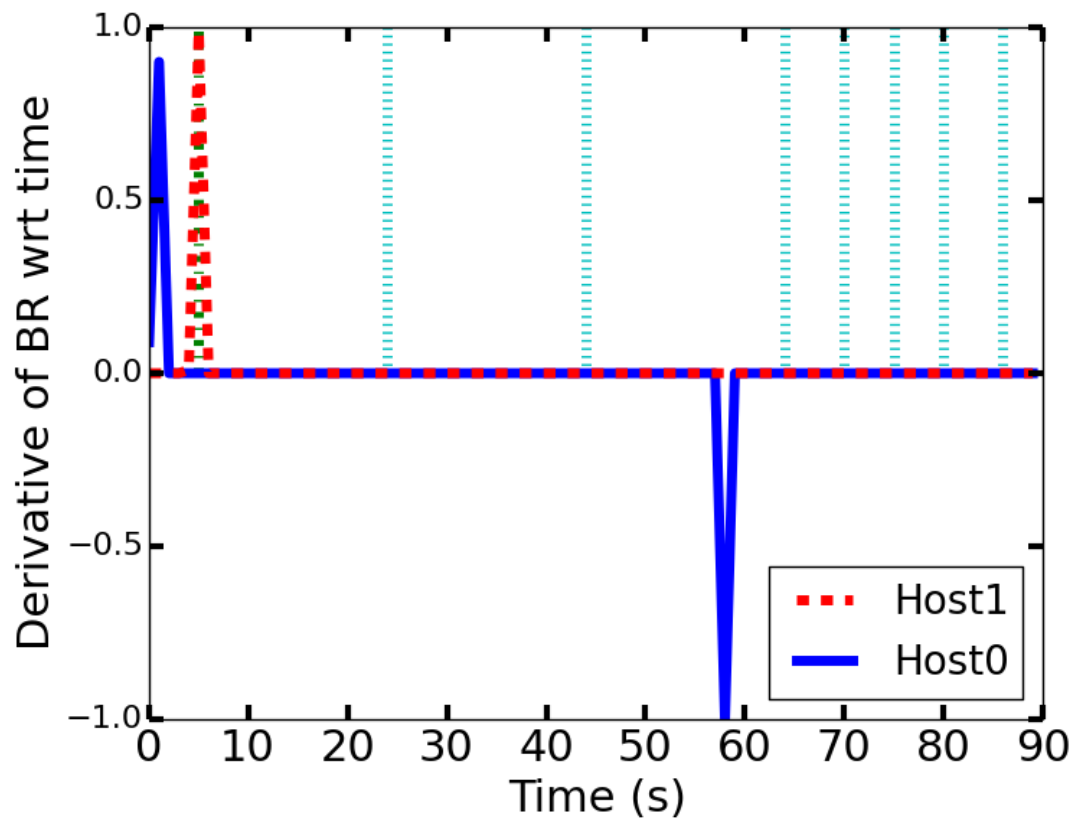Figure 1: Utilization for $\alpha = 0.1$
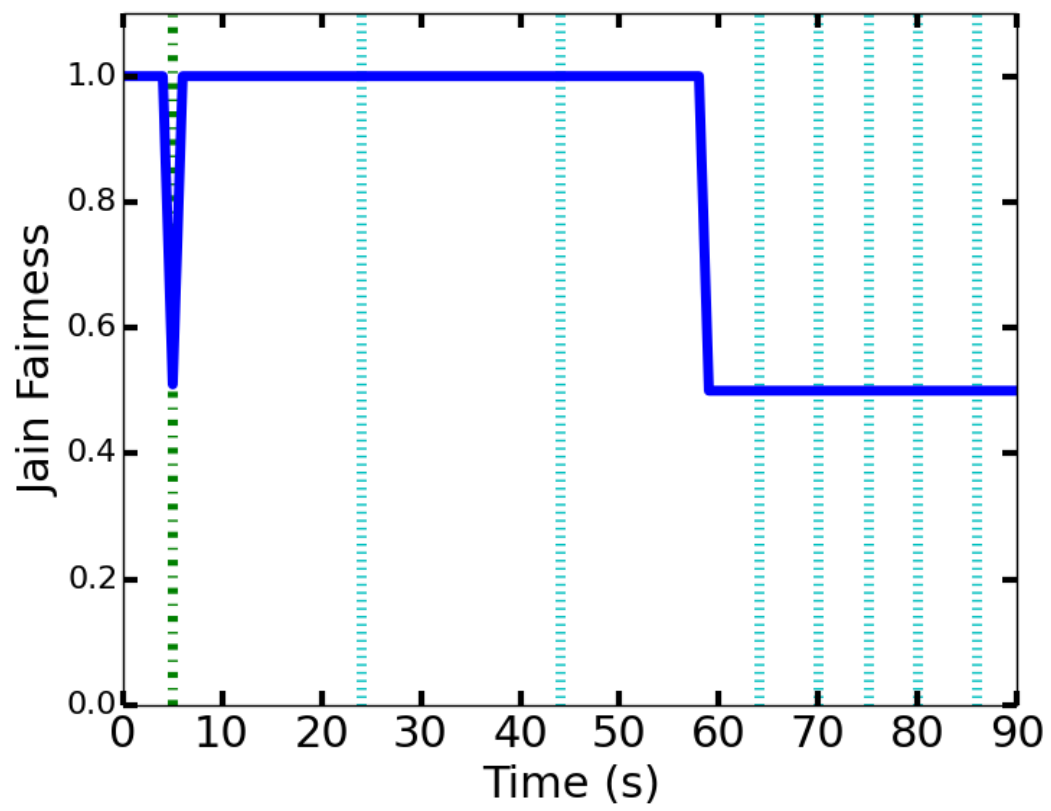
Figure 2: Smoothness for $\alpha = 0.1$
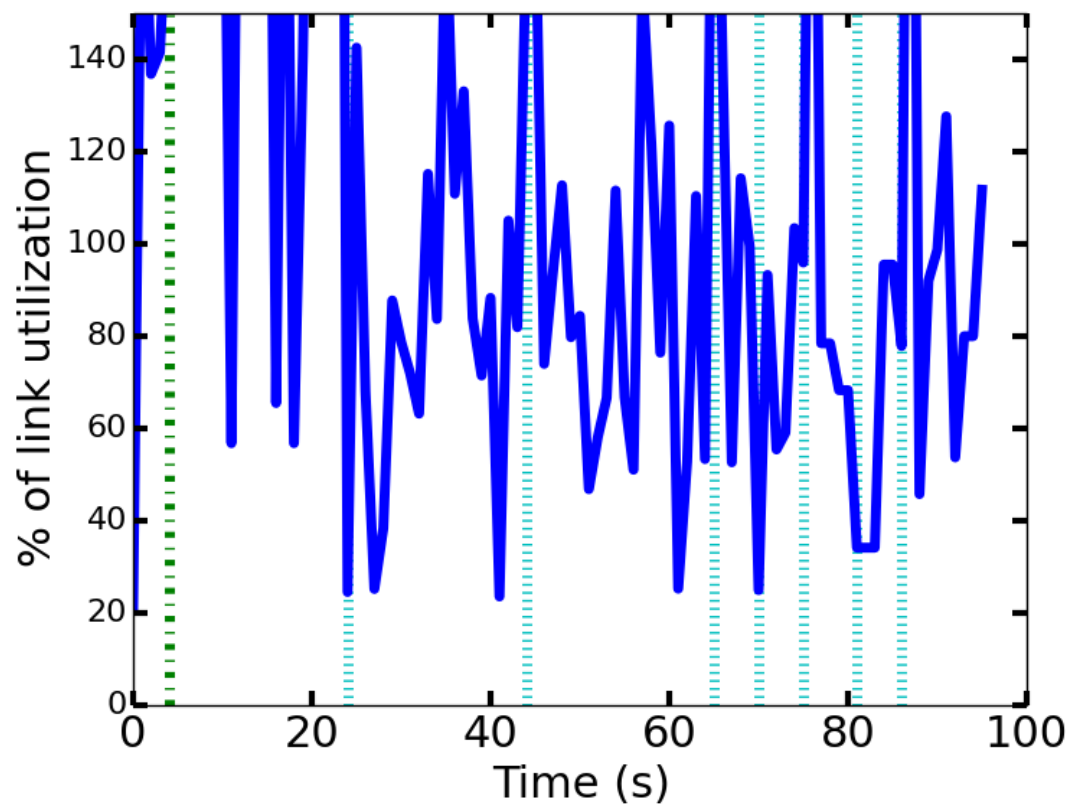
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Figure 3: Fairness for $\alpha = 0.1$

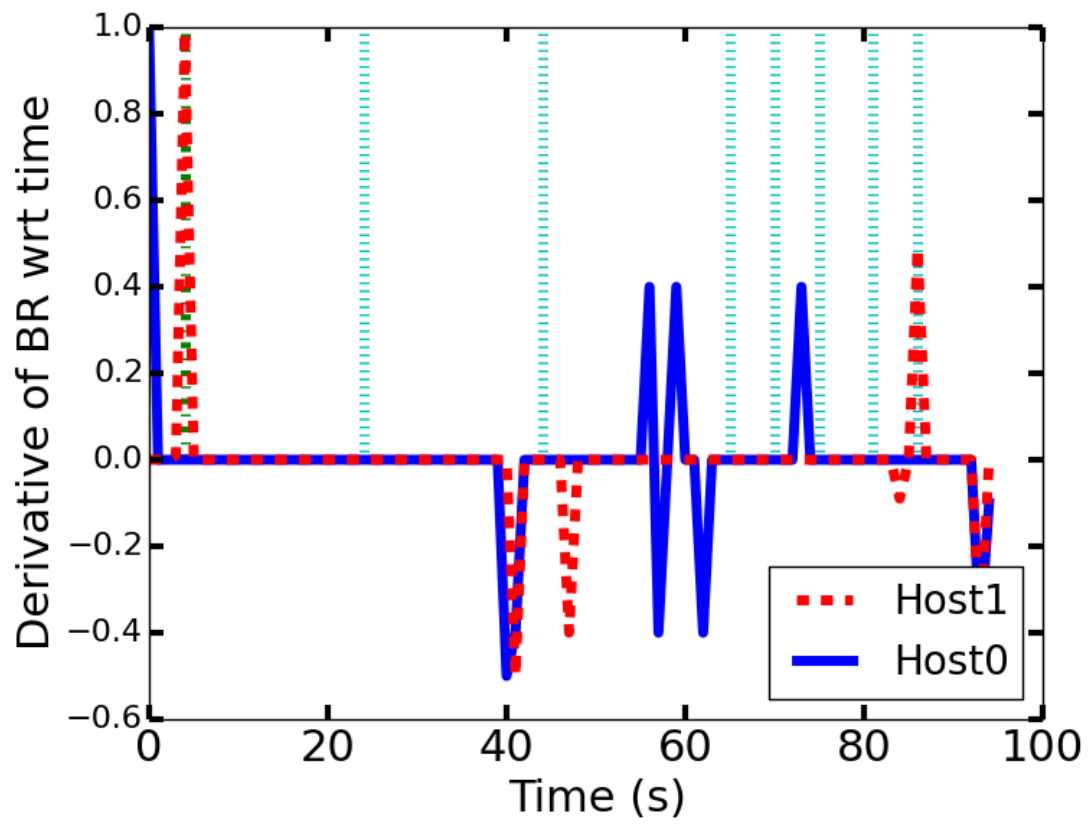Figure 4: Utilization for $\alpha = 0.5$
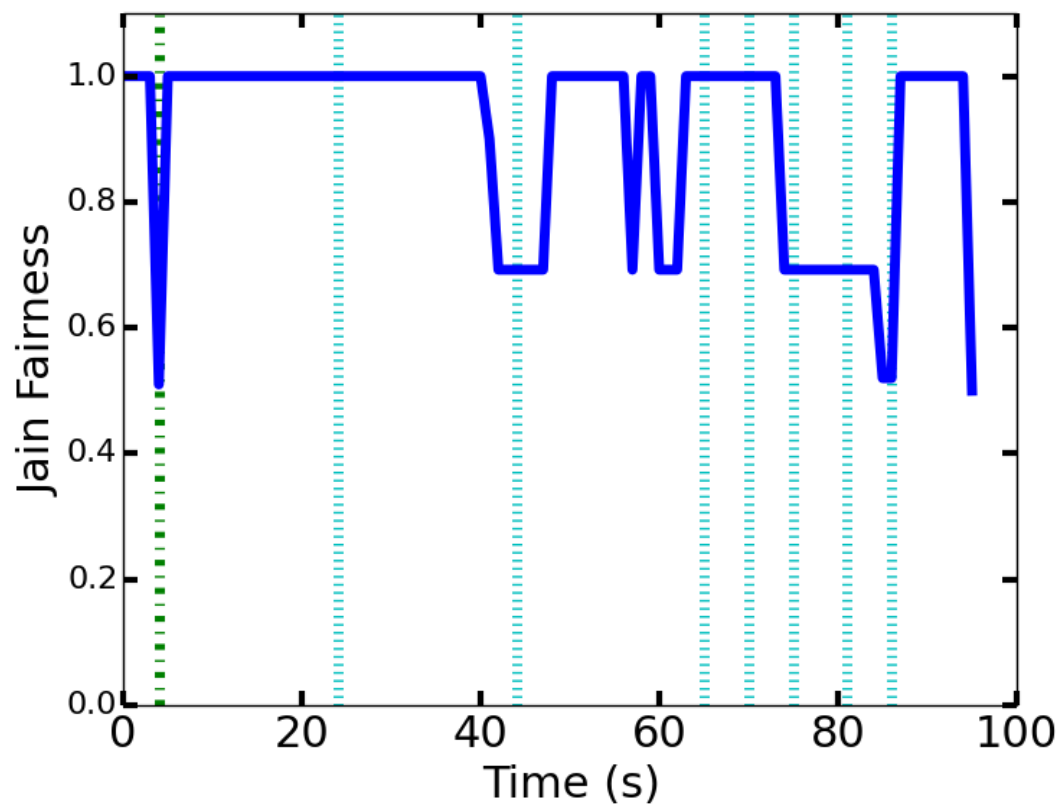
Figure 5: Smoothness for $\alpha = 0.5$
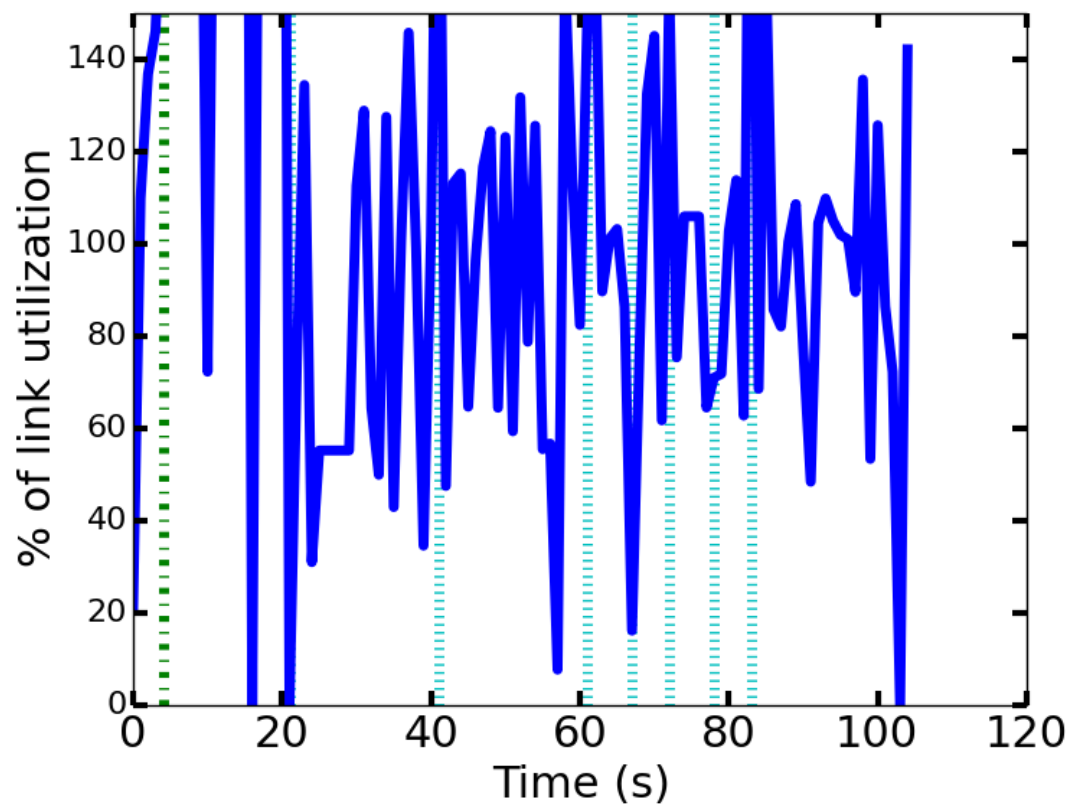
Figure 6: Fairness for $\alpha = 0.5$
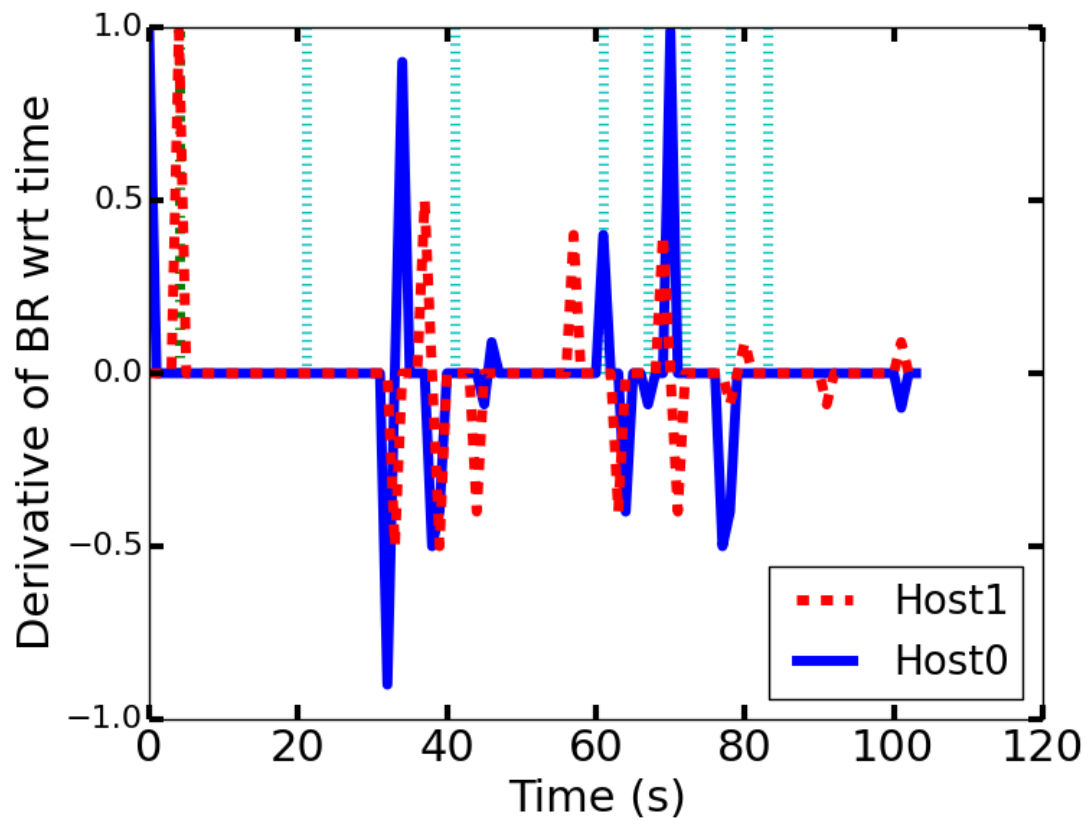
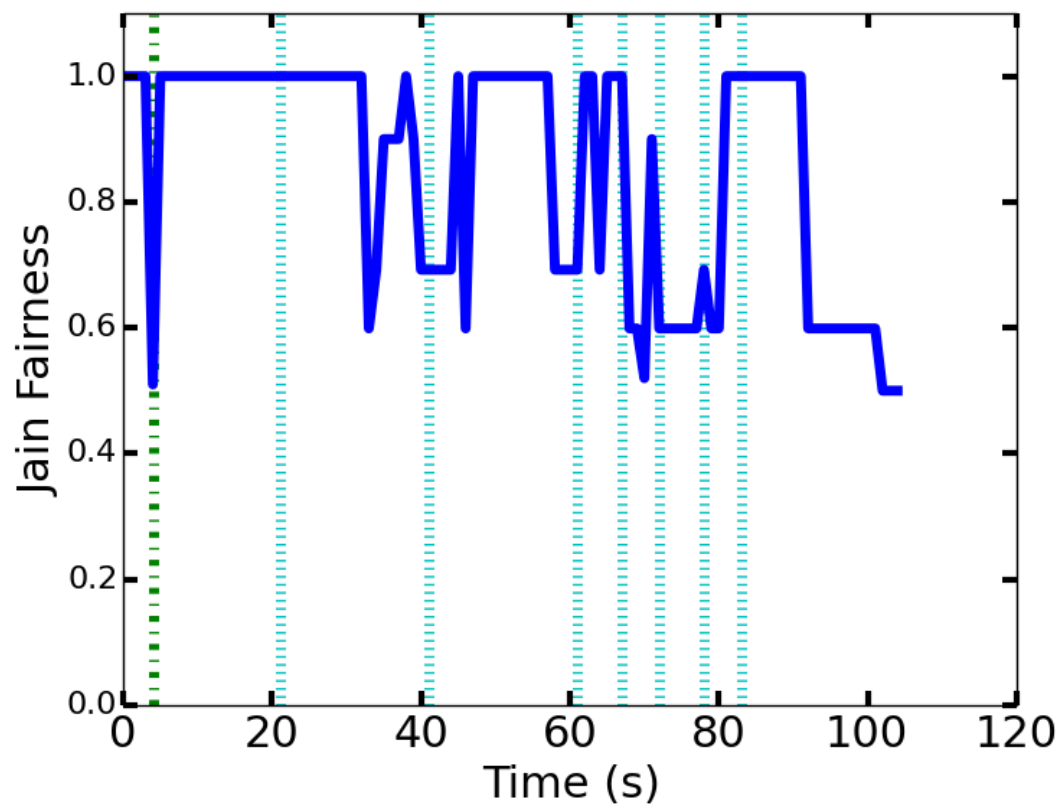Figure 7: Utilization for $\alpha = 0.9$

Figure 8: Smoothness for $\alpha = 0.9$

Figure 9: Fairness for $\alpha = 0.9$