

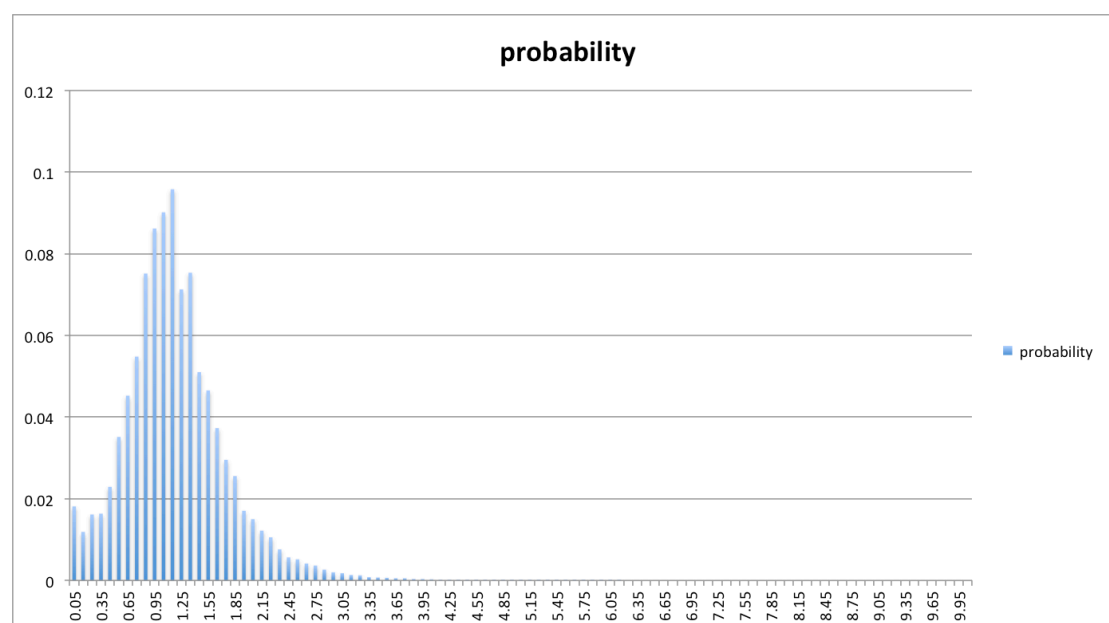
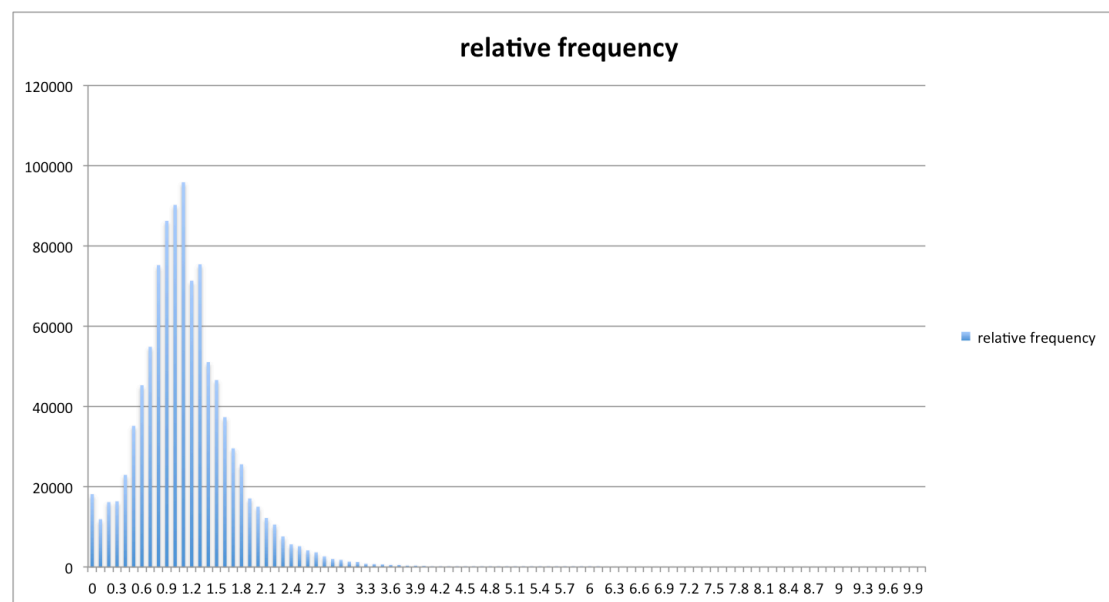
## DSim HW 6

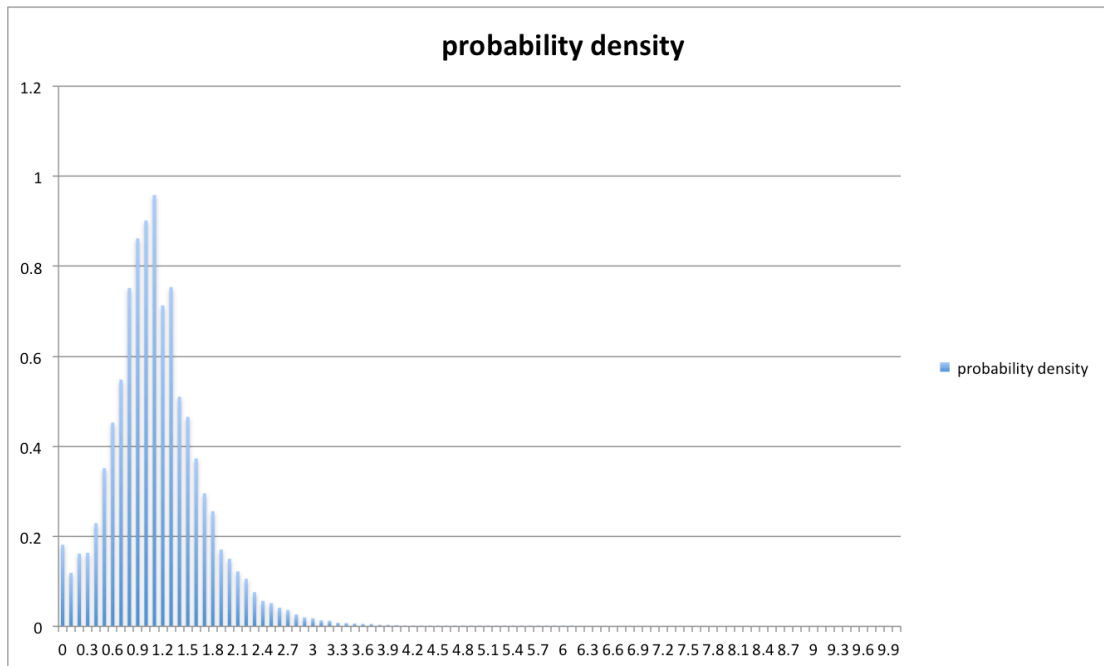
Bader, Dölle, Pöhlmann

### Ex. 1c)

First best configuration:  $L = 10$  and  $X = 50$

This configuration performs comparably well, since most of customers only need to wait for a short period of time ( $< 2$ ). Scaling the server up by  $X = 50$  seems to therefore work fine, although the laziness threshold is relatively high.





Second best configuration:  $L = 5$  and  $X = 25$

This configuration performs comparably well, since most of customers need to wait for a relatively short period of time (about 5.5,  $\pm 2.5$ ). However, compared to the  $[L=10, X=50]$  configuration, scaling the server's performance by .25 seems not to be so effective (although having a smaller laziness threshold).

