|  |  |  |
| --- | --- | --- |
| MyRexp(20000,1/3) | rExp(20000,1/3) | QQ (1/3) |
| MyRexp(20000, 1) | rExp(20000,1) | QQ(1) |
| MyRexp(20000,3) | rExp(20000,3) | QQ(3) |

The data shows that my function gets closer to the built in R exponential function. The QQ plot is the most straight when the rate is 1. My function histograms look very similar to the built in r expnentional functions.