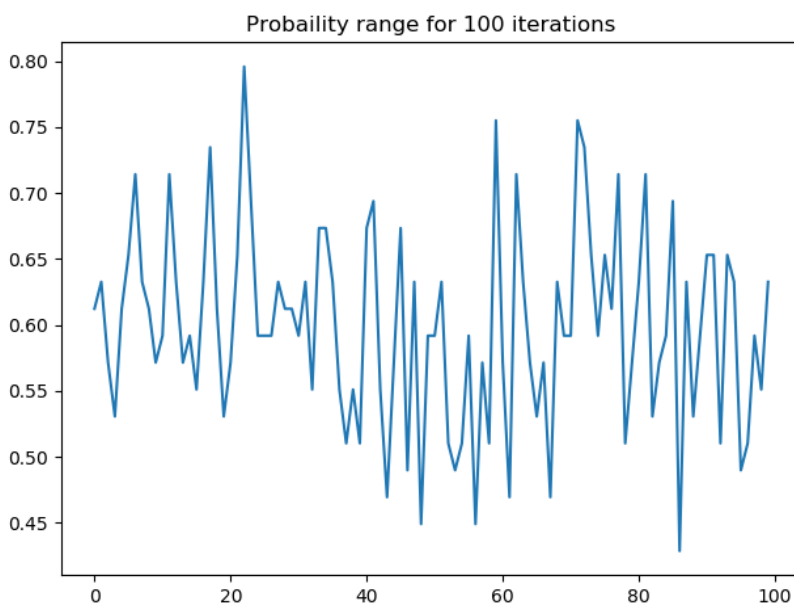Types of virus:

1. Highly contagious

2. Fairly contagious

3. Mildly contagious

Please select a virus type(1,2,3):1
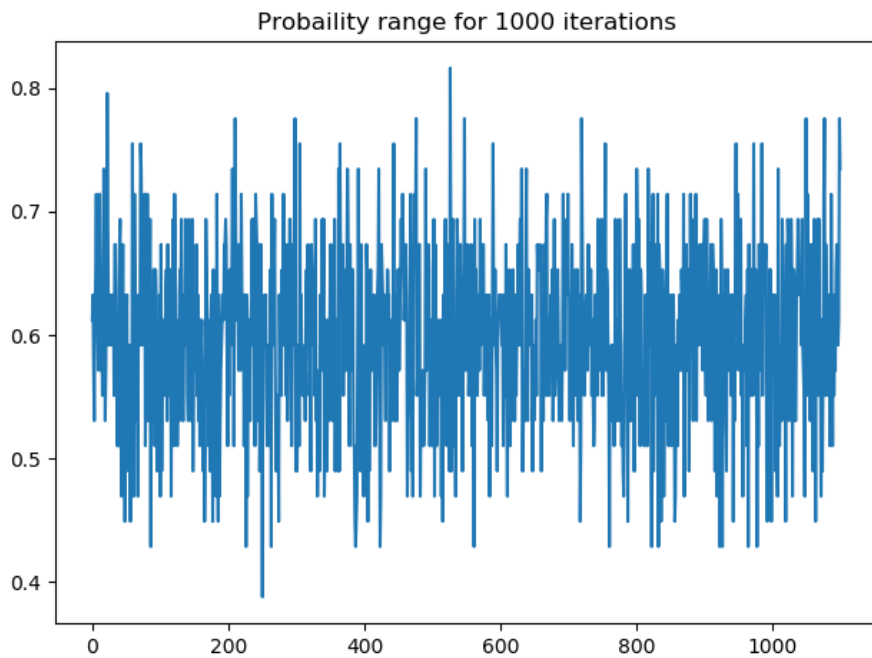
Insert the number of people:50
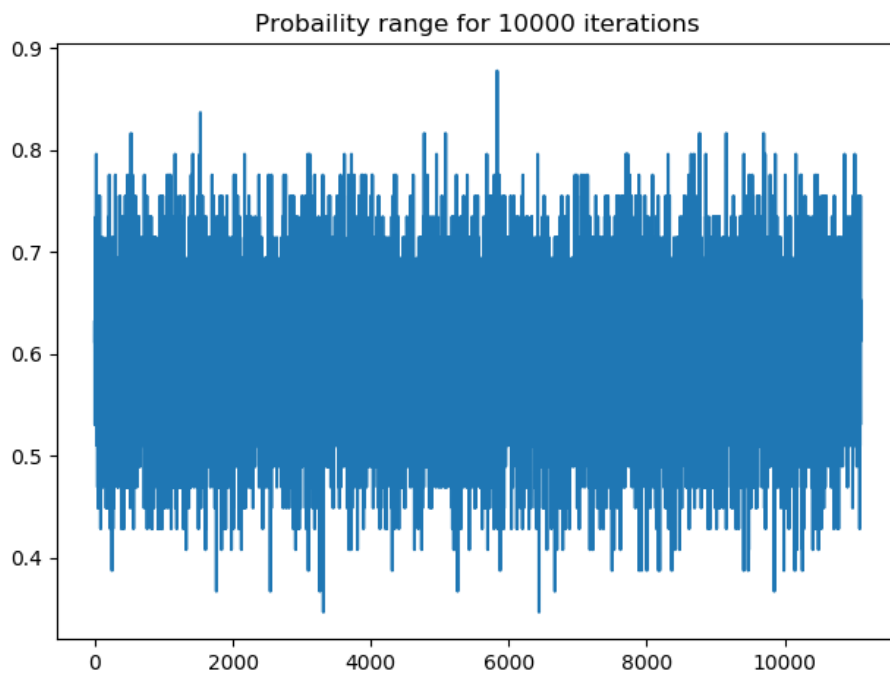
Insert the threshold percentage:40

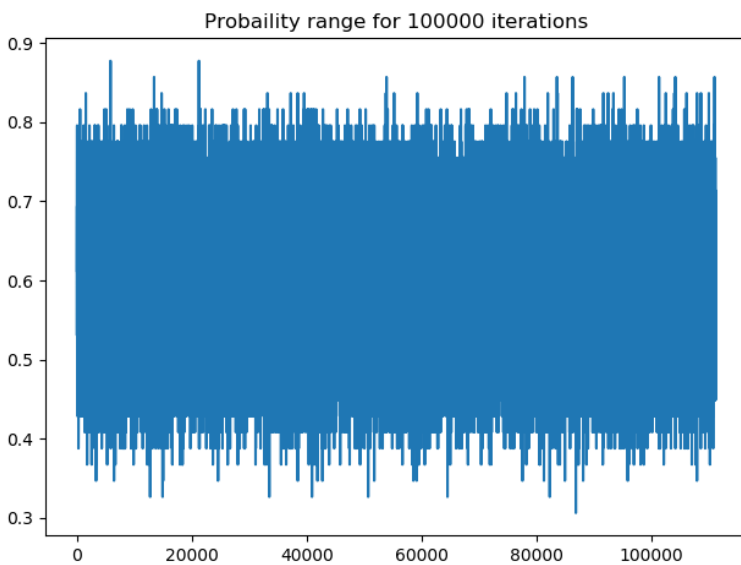Number of people infected in the population of 50 is 30 based on 100 iterations

Probaility range for 100 iterations

Number of people infected in the population of 50 is 30 based on 1000 iterations

Probaility range for 1000 iterations

Number of people infected in the population of 50 is 31 based on 10000 iterations

Probaility range for 10000 iterations

Number of people infected in the population of 50 is 31 based on 100000 iterations

Probaility range for 100000 iterations

Number of people infected in the population of 50 is 30 based on 1000000 iterations

Probaility range for 1000000 iterations
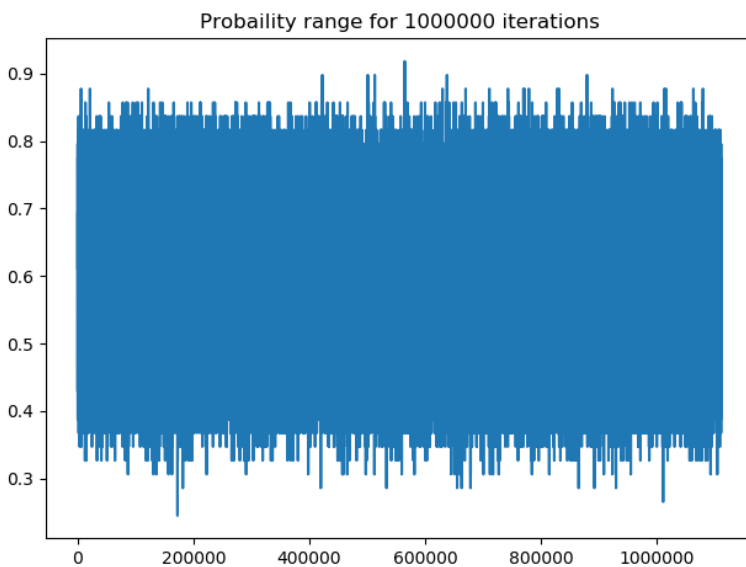
Based on the threshold value provided, intervention is required

Variabilty in probability with the increase in number of iterations