

Discrete

Uniform

Probability of any possible bus to arrive to the station is the same

Bernoulli

Probability of a bus to arrive to the station with free seat

Binomial

How many buses out from N will arrive to the station with free seats

Geometric

How many buses to skip to get to the bus with free seat

Negative binomial (Pascal)

How many non free buses will come until N buses with free seats with arrive

Poisson

Average time units between 2 buses

Continuous

Exponential

Time to wait until next bus

Gamma

Time to wait for N buses to arrive

Beta

Number of free seats out of all seats in the bus



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