

### 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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