Interarriavl data:

Interarrival\_Gamma:

The chi\_sq test value is 21.038154 and the p-value is 0.000311

Interarrival\_ Exponential:

The chi\_sq test value is 20.761390 and the p-value is 0.000899

Interarrival\_Erlang:

The parameters estimations are: k=1, loc(always)= 0, lamda= 3.843925

The chi\_sq test value is 19.422471 and the p-value is 0.000649

Service time data:

ServiceTime\_Gamma:

The chi\_sq test value is 1.050774 and the p-value is 0.305329

ServiceTime\_Exponential:

The chi\_sq test value is 130.074024 and the p-value is 2.2954438432e-26

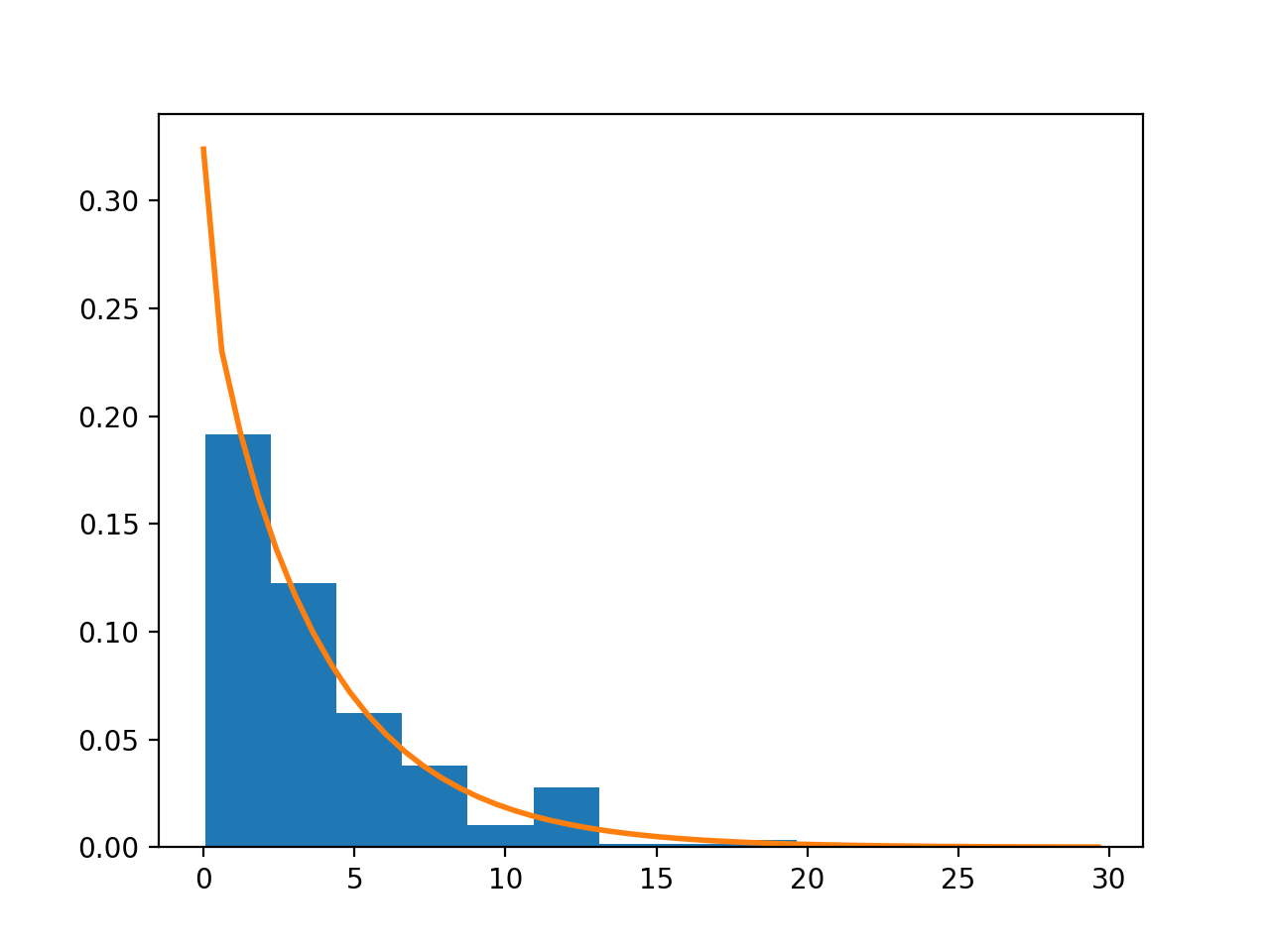
ServiceTime\_erlang:

The parameters estimations are: k=3, loc(always)= 0, lamda= 1.214991

The chi\_sq test value is 68.041901 and the p-value is 1.60057904133e-16

Comment:

Interarrival data is most likely are Gamma distributed, since the p value of Gamma distribution is least in the three distributions.



Service time data is most likely are Exponential distributed, since the p value of Exponential distribution is least in the three distributions.

