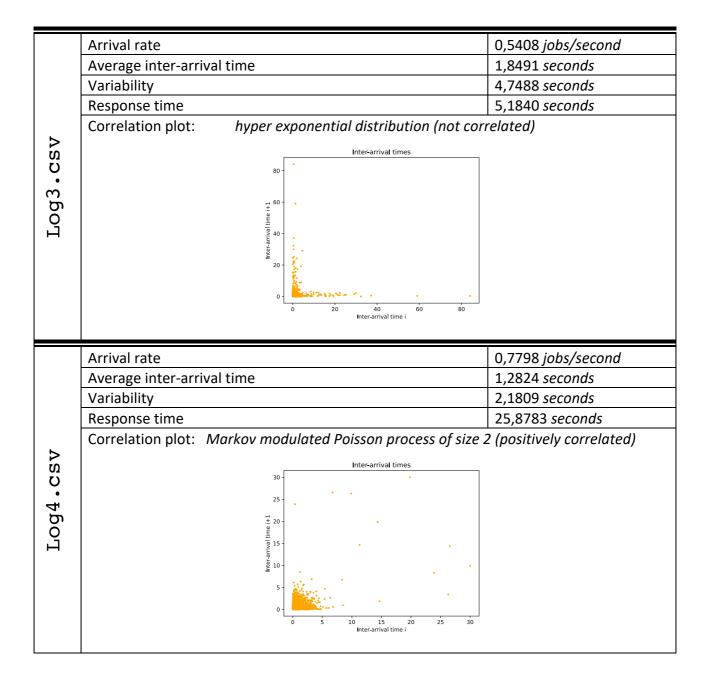
Workloads Types

To have this assignment evaluated for the in-class exam, please upload on WeBeep a ZIP file including:

- the source code used to solve this assignment
- this file, with the table below properly filled

Name (Family + given)		Demasi Giovanni
Student ID (codice persona)		10656704
QR-code ID (8 digits of the QR that was given you)		71847928
Log1.csv	Arrival rate	0,5000 jobs/second
	Average inter-arrival time	2,0000 seconds
	Variability	0,0000 seconds
	Response time	1,2000 seconds
	Correlation plot: deterministic distribution	
	Inter-arrival times	
	2.100 -	
	_ 2.050 -	
	± gg 2.025 -	
	डू 2.000 - हिं है 1.975 -	
	1,950 -	
	1,925 -	
	1.900 -	
	1,900 1,925 1,950 1,975 2,000 2,025 2,050 2,075 2,100	
	1.900 1.925 1.950 1.975 2.000 2.025 2.050 2.075 2.100 Inter-arrival time i	
	Inter-arrival time i	0.5003 inhs/second
	Arrival rate	0,5093 jobs/second
	Arrival rate Average inter-arrival time	1,9636 seconds
	Arrival rate Average inter-arrival time Variability	1,9636 seconds 2,0060 seconds
	Arrival rate Average inter-arrival time Variability Response time	1,9636 seconds 2,0060 seconds 2,0822 seconds
Λ	Arrival rate Average inter-arrival time Variability Response time Correlation plot: exponential distribution (not correlation)	1,9636 seconds 2,0060 seconds 2,0822 seconds
OSC	Arrival rate Average inter-arrival time Variability Response time Correlation plot: exponential distribution (not correlation)	1,9636 seconds 2,0060 seconds 2,0822 seconds
.csv	Arrival rate Average inter-arrival time Variability Response time Correlation plot: exponential distribution (not correlation) Inter-arrival times	1,9636 seconds 2,0060 seconds 2,0822 seconds
g2.csv	Arrival rate Average inter-arrival time Variability Response time Correlation plot: exponential distribution (not correlation) Inter-arrival times	1,9636 seconds 2,0060 seconds 2,0822 seconds
Log2.csv	Arrival rate Average inter-arrival time Variability Response time Correlation plot: exponential distribution (not correlation) Inter-arrival times	1,9636 seconds 2,0060 seconds 2,0822 seconds
Log2.csv	Arrival rate Average inter-arrival time Variability Response time Correlation plot: exponential distribution (not correlation) Inter-arrival times	1,9636 seconds 2,0060 seconds 2,0822 seconds
Log2.csv	Arrival rate Average inter-arrival time Variability Response time Correlation plot: exponential distribution (not correlation) Inter-arrival times	1,9636 seconds 2,0060 seconds 2,0822 seconds
Log2.csv	Arrival rate Average inter-arrival time Variability Response time Correlation plot: exponential distribution (not correlation) Inter-arrival times	1,9636 seconds 2,0060 seconds 2,0822 seconds
Log2.csv	Arrival rate Average inter-arrival time Variability Response time Correlation plot: exponential distribution (not correlation) Inter-arrival times	1,9636 seconds 2,0060 seconds 2,0822 seconds



As it can be noticed by the above results, even if Log1 and Log2 are practically characterized by the same arrival rate, Log2, which has a larger variability, exhibits a larger response time.

Another thing to be noticed is that, even if the arrival rate of Log3 is slightly larger than the arrival rate of Log2, since its variability is more than twice the variability of Log2, also its response time is more than twice with respect to Log2, confirming that higher variability determines worse performance.

The last thing that must be noticed from the above analysis is that, since Log4 inter-arrival times are positively correlated, its response time increases a lot, being much larger with respect to the response times of the other Logs.