

Workload Properties

The enclosed files `Trace1.csv` and `Trace2.csv` contain a single column that reports the service times of two different file servers.

Determine for each trace:

- The first three moments
- Fit the samples against the **Uniform**, the **Exponential** and the **Erlang** distributions using direct expressions.
- Fit the samples against the **Weibull** and the **Pareto** distributions with the method of moments.
- Fit the samples against the two stage **Hyper-Exponential** and the two stage **Hypo-Exponential** distributions using the maximum likelihood technique.

Then:

- Draw a figure, for each trace, that compares the empirical CDF of the samples with the CDF of the distributions mentioned above, with the parameters obtained from the corresponding fitting procedures.

Creare funzione per Erlang, Weibull e Pareto (per Erlang cercare su Wikipedia)