

TD 4**Paramétrique Estimation****Course : *Sûreté de fonctionnement & Retour d'Expériences*****(Dependability
and Feedback Data Collection)****Mayank S Jha**

1. Following are failure times given by reliability test program:

3.3, 4.2, 27.1, 41.3, 41.6, 51.1, 12.9, 106.6, 148.8, 32, 39.5, 13.8, 14.3, 22.8, 29.7, 61.7, 92.2, 14.8, 198.1, 18.5.

Based upon hypothesis that failure distribution is exponential, calculate the parameters of the distribution. Is the hypothesis true?

2. Following are failure times given by reliability test program:

25.1 112.2, 156.8, 73.9, 113.6, 218, 88.5, 138.5, 139.8, 151.9, 150.3, 403.1, 75.5, 95.5, 164.5

If it comes from a Weibull distribution, calculate the distribution parameters.

Is it a good fit?