Results using likelihood function:

Rcode:

<https://paste.ubuntu.com/p/9yVmNKvRRY/>

(Calculate ignoring censoring)

<https://paste.ubuntu.com/p/NytxYrkT9B/>

(Calculate considering censoring)

<https://paste.ubuntu.com/p/Z5DgQbmhSd/>

(Fitted curve)



Ignoring censoring:

$estimate

[1] 1.4669114035 0.0001961169

Considering censoring:

$estimate

[1] 1.313612382 0.000359415

Results using function survreg:

Rcode:

<https://paste.ubuntu.com/p/PczPP5d58W/>

(Calculate – contains censored and uncensored)

<https://paste.ubuntu.com/p/7KXfKfSjfT/>

(Fitted curve)



Ignoring censoring:

$mles

scale shape alpha lambda

3.366996e+02 1.466944e+00 1.466944e+00 1.961894e-04

Considering censoring:

$mles

scale shape alpha lambda

4.175143e+02 1.222948e+00 1.222948e+00 6.238151e-04

Almost the same when ignoring censoring, but slightly different when considering censoring, don’t know why, not obvious seeing the figure. Any suggestions?

And the ecdf of the survival time below, which is supposed to fit the uncensored curve:

(inversed)

