Fitting distributions to the real data

lognormal :
mu: 3.37, sigma: 1.05,

loglogistic :
mu: 3.40, sigma: 0.60,

generalized pareto :
k: 0.09, sigma: 42.89, theta: 0.34,

generalized extreme value :
k: 0.52, sigma: 19.74, mu: 21.60,

gamma :
a: 1.15, b: 41.20,