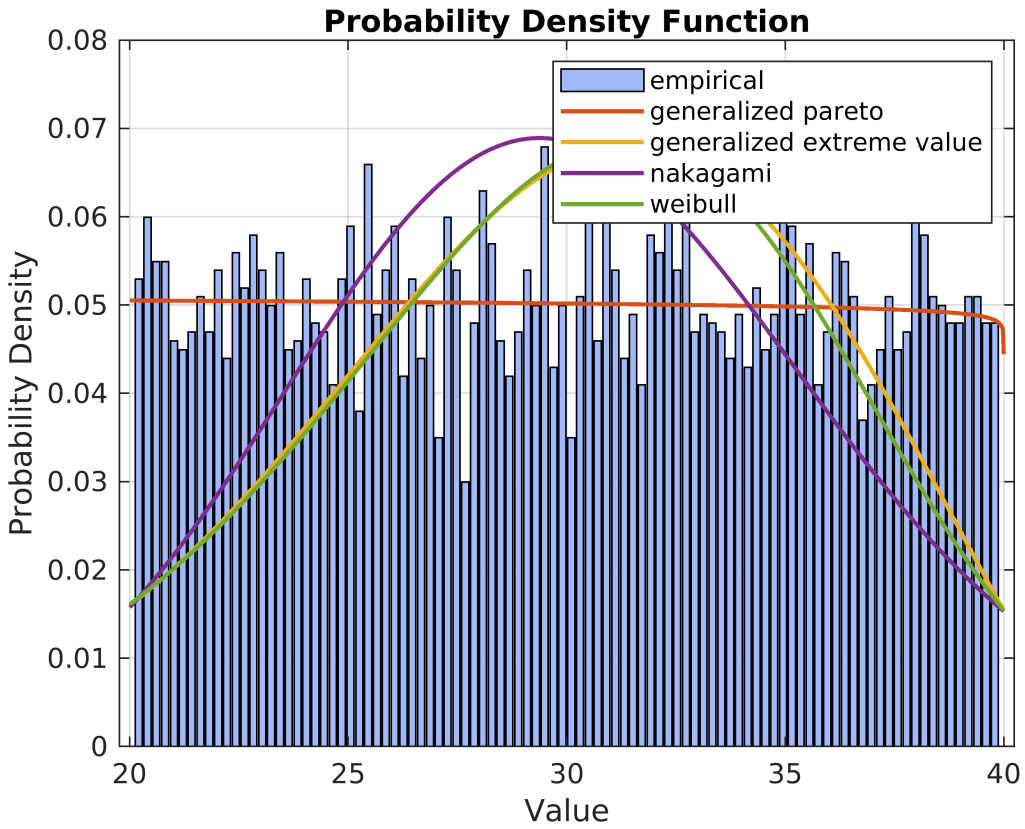
```
data = csvread('2017EE10938.csv',1,1);
data
```

```
data = 5000×1
   32.2681
   22.9795
   21.5283
   24.7889
   32.1239
   25.4768
   25.7775
   37.8503
   35.5771
   36.6851
      ⋮
```

```
[D, PD] = allfitdist(data, 'PDF')
```




```
D = 1×16 struct
```

...

Fields	DistName	NLogL	BIC	AIC	AICc	ParamNames	ParamDescri...	Params
1	'generalize...	1.4976e+04	2.9978e+04	2.9959e+04	2.9959e+04	1×3 cell	1×3 cell	[-0.9903...
2	'generalize...	1.5725e+04	3.1476e+04	3.1456e+04	3.1456e+04	1×3 cell	1×3 cell	[-0.4403...
3	'nakagami'	1.5842e+04	3.1702e+04	3.1689e+04	3.1689e+04	1×2 cell	1×2 cell	[6.8530,...
4	'weibull'	1.5845e+04	3.1708e+04	3.1695e+04	3.1695e+04	1×2 cell	1×2 cell	[32.3537...

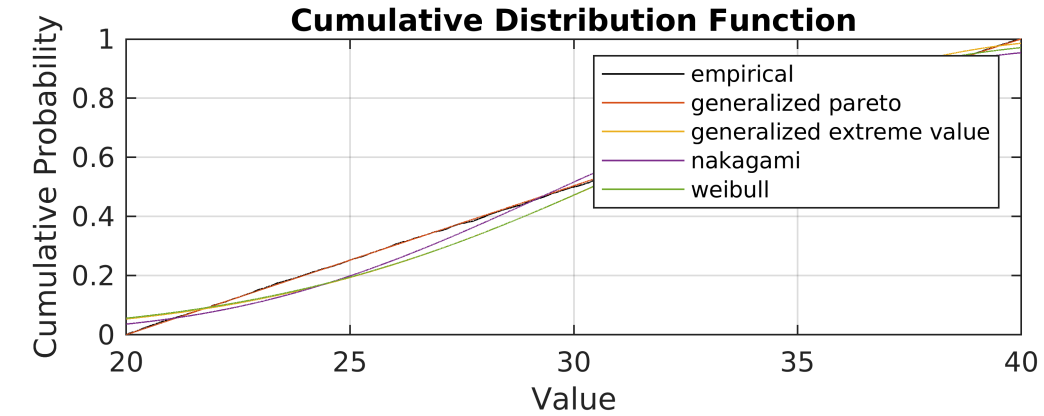
Fields	DistName	NLogL	BIC	AIC	AICc	ParamNames	ParamDescri...	Params
5	'rician'	1.5853e+04	3.1724e+04	3.1711e+04	3.1711e+04	1×2 cell	1×2 cell	[29.3782...
6	'normal'	1.5855e+04	3.1726e+04	3.1713e+04	3.1713e+04	1×2 cell	1×2 cell	[29.9619...
7	'tlocations...	1.5855e+04	3.1735e+04	3.1715e+04	3.1715e+04	1×3 cell	1×3 cell	[29.9623,5....
8	'gamma'	1.5863e+04	3.1743e+04	3.1730e+04	3.1730e+04	1×2 cell	1×2 cell	[26.2298...
9	'birnbaumsa...	1.5888e+04	3.1792e+04	3.1779e+04	3.1779e+04	1×2 cell	1×2 cell	[29.3833...
10	'inverse ga...	1.5888e+04	3.1794e+04	3.1781e+04	3.1781e+04	1×2 cell	1×2 cell	[29.9619...
11	'lognormal'	1.5897e+04	3.1810e+04	3.1797e+04	3.1797e+04	1×2 cell	1×2 cell	[3.3807,...
12	'extreme value'	1.6006e+04	3.2029e+04	3.2016e+04	3.2016e+04	1×2 cell	1×2 cell	[32.8298...
13	'logistic'	1.6080e+04	3.2176e+04	3.2163e+04	3.2163e+04	1×2 cell	1×2 cell	[29.9685...
14	'loglogistic'	1.6107e+04	3.2231e+04	3.2218e+04	3.2218e+04	1×2 cell	1×2 cell	[3.3881,...
15	'rayleigh'	1.8812e+04	3.7632e+04	3.7625e+04	3.7625e+04	1×1 cell	1×1 cell	21.5750
16	'exponential'	2.2000e+04	4.4008e+04	4.4001e+04	4.4001e+04	1×1 cell	1×1 cell	29.9619

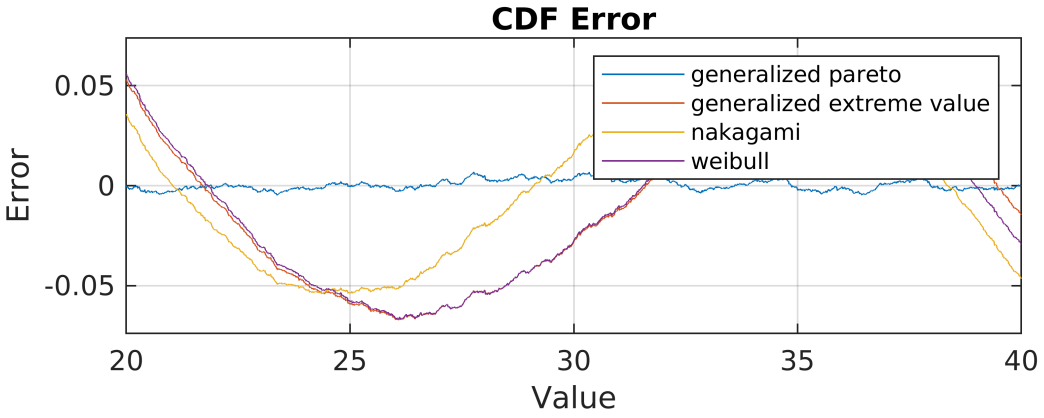
PD = 1×16 cell

...

	1	2	3	4	5	6	7	8
1	1×1 General...	1×1 General...	1×1 Nakagam...	1×1 Weibull...	1×1 RicianD...	1×1 NormalD...	1×1 tLocati...	1×1 GammaDi...

```
[D, PD] = allfitdist(data, 'CDF')
```





D = 1×16 struct

...

Fields	DistName	NLogL	BIC	AIC	AICc	ParamNames	ParamDescri...	Params
1	'generalize...	1.4976e+04	2.9978e+04	2.9959e+04	2.9959e+04	1×3 cell	1×3 cell	[-0.9903...
2	'generalize...	1.5725e+04	3.1476e+04	3.1456e+04	3.1456e+04	1×3 cell	1×3 cell	[-0.4403...
3	'nakagami'	1.5842e+04	3.1702e+04	3.1689e+04	3.1689e+04	1×2 cell	1×2 cell	[6.8530,...
4	'weibull'	1.5845e+04	3.1708e+04	3.1695e+04	3.1695e+04	1×2 cell	1×2 cell	[32.3537...
5	'rician'	1.5853e+04	3.1724e+04	3.1711e+04	3.1711e+04	1×2 cell	1×2 cell	[29.3782...
6	'normal'	1.5855e+04	3.1726e+04	3.1713e+04	3.1713e+04	1×2 cell	1×2 cell	[29.9619...
7	'tlocations...	1.5855e+04	3.1735e+04	3.1715e+04	3.1715e+04	1×3 cell	1×3 cell	[29.9623,5....
8	'gamma'	1.5863e+04	3.1743e+04	3.1730e+04	3.1730e+04	1×2 cell	1×2 cell	[26.2298...
9	'birnbaumsa...	1.5888e+04	3.1792e+04	3.1779e+04	3.1779e+04	1×2 cell	1×2 cell	[29.3833...
10	'inverse ga...	1.5888e+04	3.1794e+04	3.1781e+04	3.1781e+04	1×2 cell	1×2 cell	[29.9619...
11	'lognormal'	1.5897e+04	3.1810e+04	3.1797e+04	3.1797e+04	1×2 cell	1×2 cell	[3.3807,...
12	'extreme value'	1.6006e+04	3.2029e+04	3.2016e+04	3.2016e+04	1×2 cell	1×2 cell	[32.8298...
13	'logistic'	1.6080e+04	3.2176e+04	3.2163e+04	3.2163e+04	1×2 cell	1×2 cell	[29.9685...
14	'loglogistic'	1.6107e+04	3.2231e+04	3.2218e+04	3.2218e+04	1×2 cell	1×2 cell	[3.3881,...
15	'rayleigh'	1.8812e+04	3.7632e+04	3.7625e+04	3.7625e+04	1×1 cell	1×1 cell	21.5750
16	'exponential'	2.2000e+04	4.4008e+04	4.4001e+04	4.4001e+04	1×1 cell	1×1 cell	29.9619

PD = 1×16 cell

...

	1	2	3	4	5	6	7	8
1	1×1 General...	1×1 General...	1×1 Nakagam...	1×1 Weibull...	1×1 RicianD...	1×1 NormalD...	1×1 tLocati...	1×1 GammaDi...