```
 1 C:\Users\wangs\AppData\Local\Programs\Python\Python37\
   python.exe "D:\PyCharm 2019.2.2\helpers\pydev\pydevconsole.
   py" --mode=client --port=50726
 2
 3 import sys; print('Python %s on %s' % (sys.version, sys.
   platform))
 4 sys.path.extend(['D:\\PowerLaw', 'D:/PowerLaw'])
 5
 6 PyDev console: starting.
 7
 8 Python 3.7.4 (tags/v3.7.4:e09359112e, Jul  8 2019, 20:34:20
   ) [MSC v.1916 64 bit (AMD64)] on win32
 9 >>> runfile('D:/PowerLaw/code/PowerLawTest_news.py', wdir='
   D:/PowerLaw/code')
10 Calculating best minimal value for power law fit
11 C:\Users\wangs\AppData\Local\Programs\Python\Python37\lib\
   site-packages\powerlaw.py:700: RuntimeWarning: invalid
   value encountered in true_divide
12   (Theoretical_CDF * (1 - Theoretical_CDF))
13 alpha 2.22700537404125
14 sigma 0.03599510135831366
15 C:\Users\wangs\AppData\Local\Programs\Python\Python37\lib\
   site-packages\powerlaw.py:700: RuntimeWarning: invalid
   value encountered in true_divide
16   (Theoretical_CDF * (1 - Theoretical_CDF))
17 553.7615047077776
18 6.461446849244262e-38
19 xmin: 6.0
20 fixed_min True
21 alpha: 2.22700537404125
22 D: 0.03665667348622237
23 D:\PyCharm 2019.2.2\helpers\pydev\_pydev_bundle\
   pydev_import_hook.py:21: MatplotlibDeprecationWarning:
24 The mpl_toolkits.axes_grid module was deprecated in
   Matplotlib 2.1 and will be removed two minor releases later
   . Use mpl_toolkits.axes_grid1 and mpl_toolkits.axisartist,
   which provide the same functionality instead.
25   module = self._system_import(name, *args, **kwargs)
26 C:\Users\wangs\AppData\Local\Programs\Python\Python37\lib\
   site-packages\powerlaw.py:700: RuntimeWarning: invalid
   value encountered in true_divide
27   (Theoretical_CDF * (1 - Theoretical_CDF))
28 Calculating best minimal value for power law fit
29 C:\Users\wangs\AppData\Local\Programs\Python\Python37\lib\
   site-packages\powerlaw.py:700: RuntimeWarning: invalid
   value encountered in true_divide
```

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30    (Theoretical_CDF * (1 - Theoretical_CDF))
31 C:\Users\wangs\AppData\Local\Programs\Python\Python37\lib\
   site-packages\powerlaw.py:700: RuntimeWarning: divide by
   zero encountered in true_divide
32    (Theoretical_CDF * (1 - Theoretical_CDF))
33 C:\Users\wangs\AppData\Local\Programs\Python\Python37\lib\
   site-packages\powerlaw.py:700: RuntimeWarning: invalid
   value encountered in true_divide
34    (Theoretical_CDF * (1 - Theoretical_CDF))
35
```