

shortestpath

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The Graph Structure of Public Software Development

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TODO: Add citation string

1 Replication Package : Shortest Path Distributions

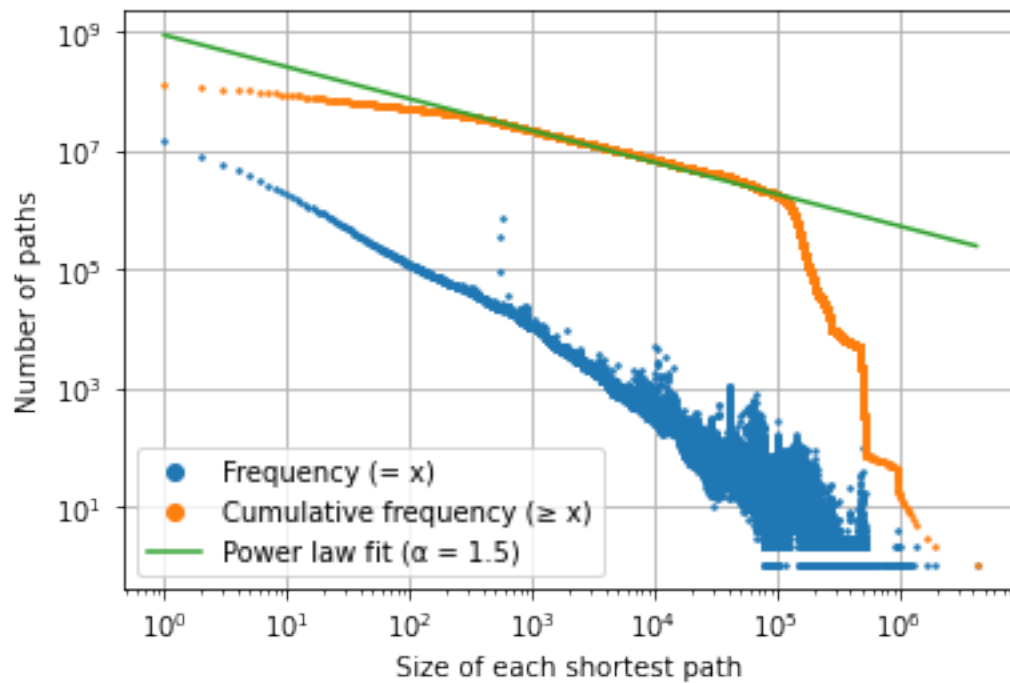
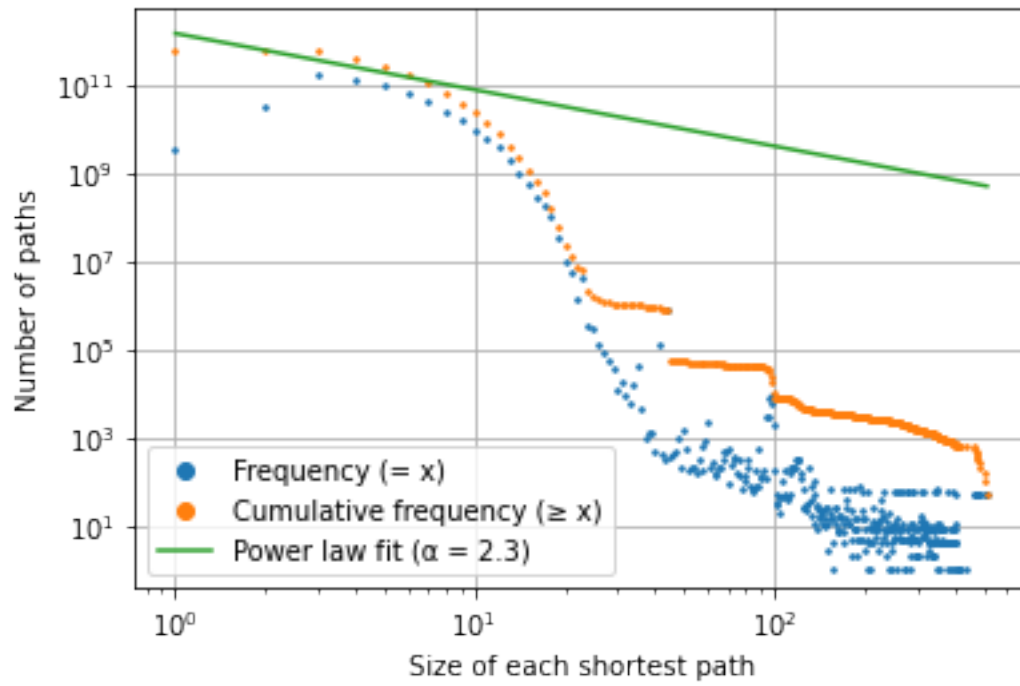
```
[5]: from pathlib import Path
import matplotlib.pyplot as plt
import numpy as np
import common

DATASET = Path('../experiments/shortestpath')

def show_distribution(name):
    title = "Path length distribution ({}{}).format(
        common.LAYERS[name],
        ' Ã 15% uniform sample' if name == 'dir+cnt' else ''
    )

    x, y = common.load_text_distribution(DATASET / name / 'distribution.txt')
    dist = common.Distribution(x, y, "Size of each shortest path", "Number of_
    paths", title)
    common.plot_all(dist, 'figures/shortestpath', name)

[6]: show_distribution('dir+cnt')
show_distribution('rev')
```



[]: