



We can test for a power law by plotting frequency (y-axis) against rank (x-axis) on a double log axis. Then check for a straight line. The graph below shows three attempts to fit a power law function to datasets. The plot on the left is a good fit. The plot in the middle is a decent fit. The plot on the right is not a good fit.

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GDP Of Nations

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Researchers use power laws to determine how much infrasture a city needs, examine the number of gas stations required in a city, and much more.

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