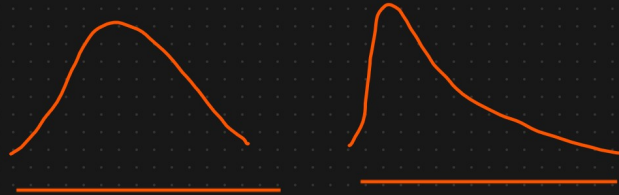
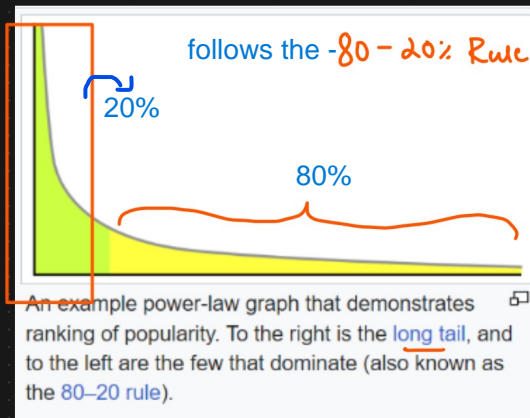


# ① Power Law Distribution

In statistics, a power law is a functional relationship between two quantities, where a relative change in one quantity results in a proportional relative change in the other quantity, independent of the initial size of those quantities: one quantity varies as a power of another



Eg: IPL

① 20% of Team is responsible for winning 80% match

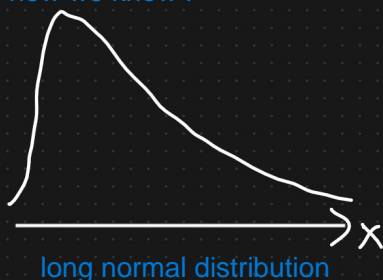
② 80% of wealth are distributed with 20% of the total population

③ 80% of the total oil is with 20% of the nation

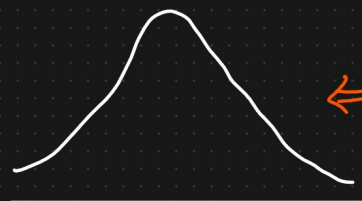
④ Frequencies of words in most languages.

⑤ 20% of the major defects fixes the 80% of upcoming defects in a slow product

now we know :



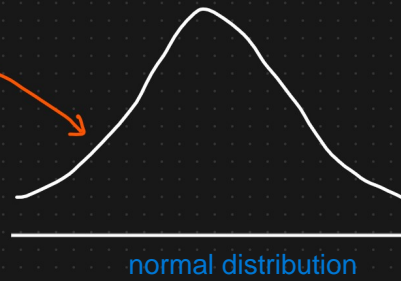
applying :  $\ln(x)$



← Normal Distribution



Box Cox  
⇒  
Transform



can be checked using :  
⇒ Q Q plot

Pareto Distribution [80-20%]