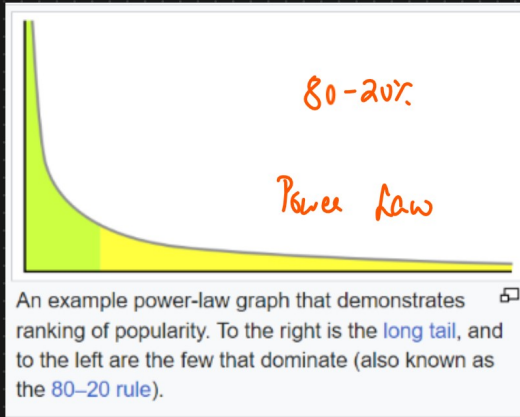
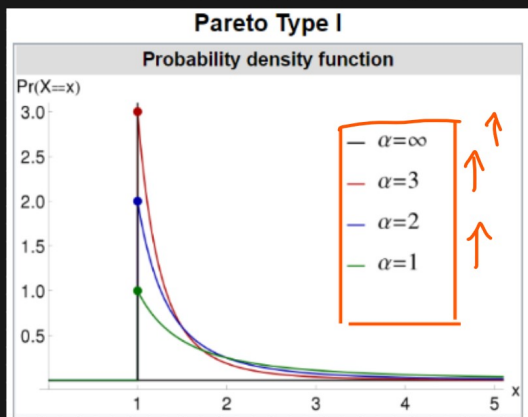


# ① Pareto Distribution [Non Gaussian Distribution]



The Pareto distribution, named after the Italian civil engineer, economist, and sociologist Vilfredo Pareto is a power-law probability distribution that is used in description of social, quality control, scientific, geophysical, actuarial, and many other types of observable phenomena; the principle originally applied to describing the distribution of wealth in a society, fitting the trend that a large portion of wealth is held by a small fraction of the population.

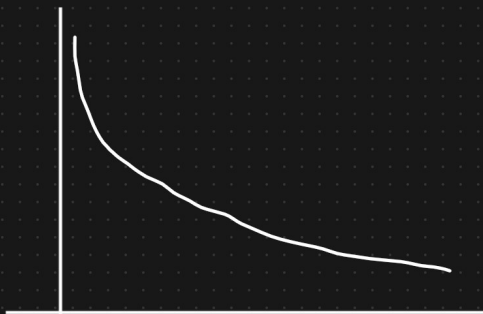
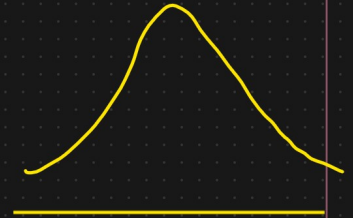
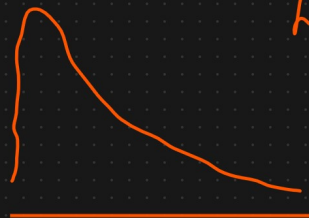


$\alpha \uparrow \uparrow$

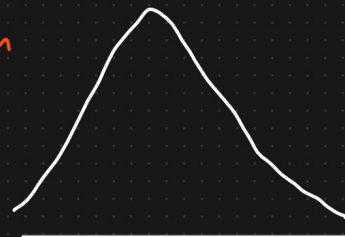
Transformation



log Normal



Box Cox  
Transformation



Eg: IT Industry

① 80% of the entire project is done by 20% of the team

② por. of defects can be solved if we  
save 20% of defects