

# Statistics

## How do we know?

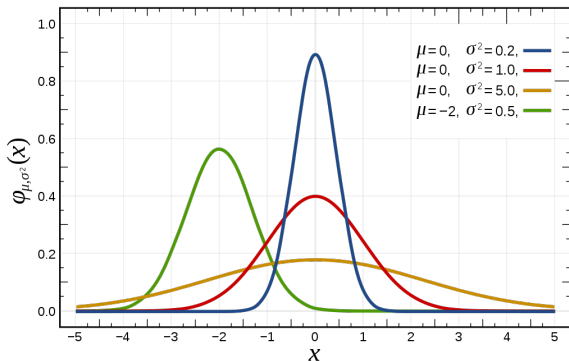
Elisea Jackson

April 2017

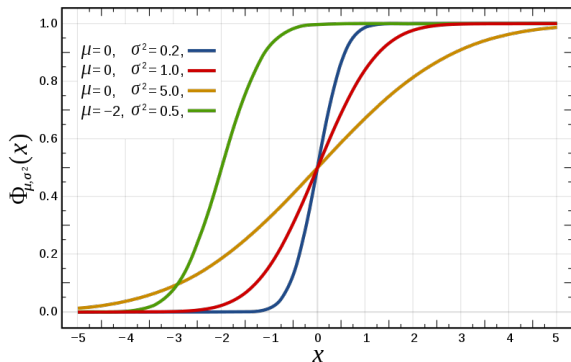
- collection
- organization
- analization
- interpretation
- presentation

The use of mathematical equations and probability to collect data, in place of collecting data. Started with discussions of games of chance. There is a lot!!!

## Normal Distribution Function / Gaussian Distribution



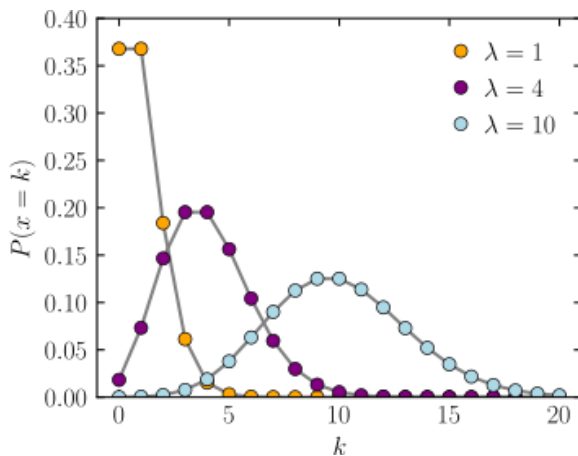
Probability Density Function



Cumulative Distribution Function

## Poission Distribution

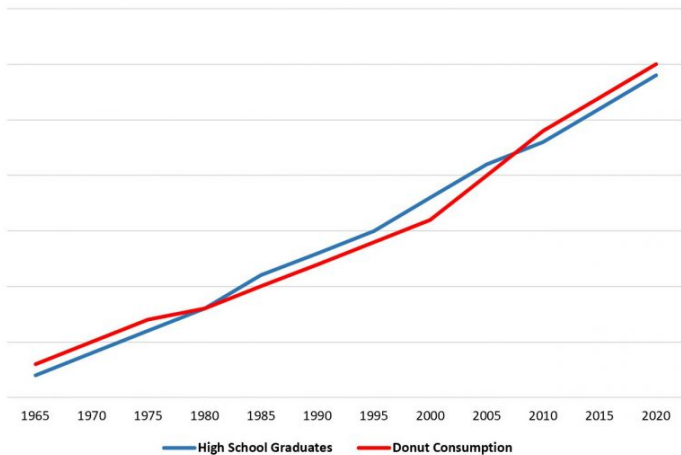
Each event happens separe from the last and they share a common mean.



# Random Correlations

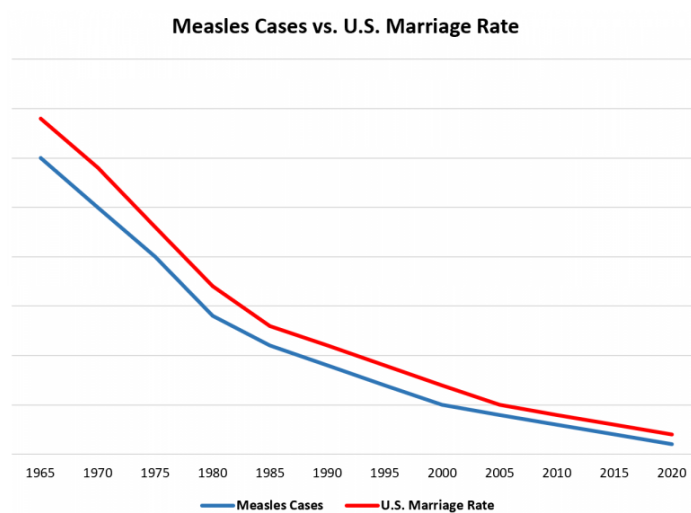
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High School Graduates vs. Donut Consumption



## Random Correlations

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# Random Correlations

