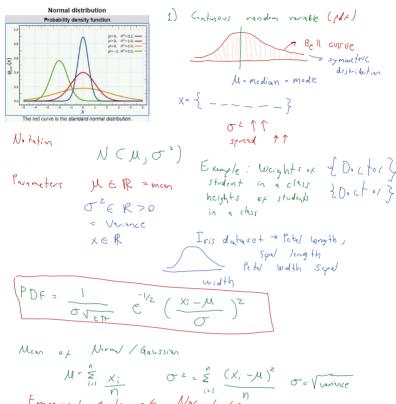
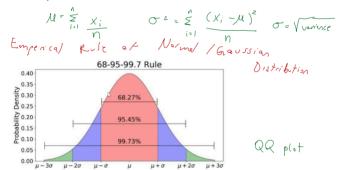
In probability theory and statistics, a normal distribution or Gaussian distribution is a type of continuous probability distribution for a real-valued random variable





Probability

Pr 
$$C_M$$
- $\sigma \in X \leq M + \sigma$ )  $\approx 60\%$ 

Pr  $(M-2\sigma \leq X \leq M + 2\sigma) \approx 95\%$ 

Pr  $(M-3\sigma \leq X \leq M + 3\sigma) \approx 99.7\%$