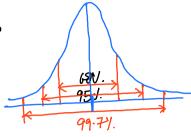
(M) What is a Gaussian distribution empirical formula?

ANS

Emperical Formula -> 68-95-99.9%.



 $\mathbb{Q}_{\mathcal{V}}$ What is the zscore and why it is important?

If is important because in ML me home different Features, so to being them on a some scale me used 2-score. » Z. Scare is used to Congrect Normal distribution to stondard distribution.

What is an outlier exactly?

audlieix are the data points which are not in the Range of hower fence and tight if inco hower force -> 01 - 1.529? tigher fence -> Ozt 1.5 20R 207 > 02-01

What are the options for dealing with outliers?

) Fire Number Lungmony

L> Box Plot Any Minimum O (reflerentile) Medion Q3 (75 percentite) morpiaso M

Somple $S^2 \Rightarrow \frac{(n_i - n_i)^2}{N}$ (n-1) -> Bessel dorrection / Degree & freedom -> By wing(n-1), it helps not to underestingate the dorrect Value of meon(n) = Von

Write sample and population variance equation and explain **Bessel correction?**