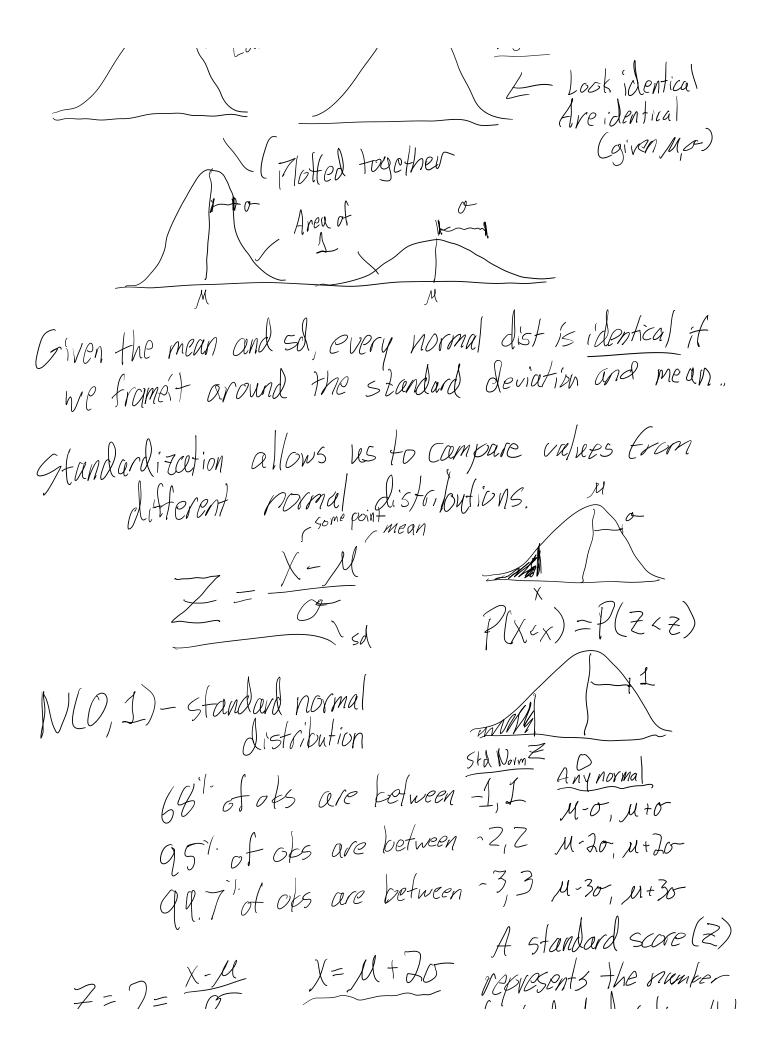
Normal	Distrib	ution
NUHHAL	יטואטוט	ution

What is "normal"? Human adult heights are approximately normal with mean of M=66" or 168cm, and stades of o= 4" or 10cm Specifically height NM (66", 4") Wormal diet mean of place of STD Verined by I and o Is it normal for someone to be 5'6" (168cm)? (6'10 (208cm)? Y 4'10 (147cm). Y Is it normal for a room full of people to be 56" N Normal distribution is defined by its mean (u) and Specifically $f(x) = \frac{1}{\sqrt{2\pi}} e^{\frac{1}{2}(x-y)^2} = \frac{1}{\sqrt{2\pi}}$ Axiom: All modes for XER are wrong, but M (mean) tells us location Some models are o (stddev) tells us spread



Z= 2= X-M X= M+D represents the number of standard deviations that we are away from the man.

Z= 2= 0

No we are away from the man.

Manual of the number of standard deviations that we are away from the man.