X-H S/m

S=(S2= \(\frac{\infty}{\chi\_1}\)

not retally normal

tuns out X-M is a random our of the S/Sn "t-dishlaston" with n-1 dyres

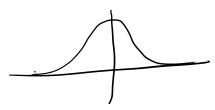
of freedom

$$f(t) = \frac{\Gamma\left(\frac{k+1}{2}\right)}{\sqrt{\pi k} \Gamma\left(\frac{k}{2}\right)}, \left(1 + \frac{t^2}{k}\right)$$

k=# I drees [ freedom

pmj. to 
$$\frac{1}{(1+k^{-1}t^2)^{(k+1)/2}} \approx \frac{1}{t^{k+1}}$$

$$|and| = e^{-x^2} = \frac{1}{e^{x}}$$



vorwej bobyever.

Claim population.

Claim population is Zo

Sangle 
$$n=6$$
 measure  $\overline{X}=21$   $S=1$ 

<b>Table IV:</b> Values of $t_{\alpha,\nu}$ !						
ν	$\alpha = .10$	$\alpha = .05$	$\alpha = .025$	$\alpha = .01$	$\alpha = .005$	ν
1	3.078	6.314	12.706	31.821	63.657	1
2	1.886	2.920	4.303	6.965	9.925	2
3	1.638	2.353	3.182	4.541	5.841	3
4	1.533	2.132	2.776	3.747	4.604	4
5	1.476	2.015	2.571	3.365	4.032	5
6	1.440	1.943	2.447	3.143	3.707	6
7	1.415	1.895	2.365	2.998	3.499	7
8	1.397	1.860	2.306	2.896	3.355	8
9	1.383	1.833	2.262	2.821	3.250	9
10	1.372	1.812	2.228	2.764	3.169	10

