Physics 421/ PCSE 503 Le Ame 5

-> VBudizing data.

1) numerial authors « root

2) data ædysis =

3 sinalation. Eprojedile

(REAL LIFE)

Analyty Data

La Visuolize G search for outliers is general trends (obviores) 6 correlations y= f(x,y,z,t,u,v Dandas -> Data Fixue() Sprealshot

 $\int a_{1} cc_{2} dx$ u = 0

Jarina 8=1 -3--+3 99.5% Dota File

Linear Regression - $d = \frac{1}{2}gt^2$

 $\chi(t^2)$ Maybe 3 - Sm + 55 montreintres in parameters

Linear Rogressin $\left(\mathcal{I}(X) - \mathcal{I}_{f,I} \right)$ 84: 25 =

Alcohol Siles in UK Tohaco Siles Is there a correlation?

How do we know for some

that DI pt. is

an differ?

OIS

I fmx (b)

 $V_{TONAL} = N - 1 = 16$ $V_{TONAL} = 4 par - 1 = 1$

modex

Derept (6) = 4.3512 ± 1,607 $= 0.3019 \pm$ 439 9= 2h Uhi form $\delta g = \left| \begin{array}{c} \partial g \\ \overline{\partial h} \end{array} \right| \delta h + \left| \begin{array}{c} \partial g \\ \overline{\partial t} \end{array} \right| \delta t$

$$\delta G = \frac{2}{t^2} \delta h + \frac{4h}{t^3} \delta t$$

Gaussia.
$$\left[\left(\delta g\right)^2 = \left(\frac{\partial g}{\partial h}\right)^2 \left(\delta h\right)^2\right]$$

 $\frac{\left(\chi - \chi_0\right)}{2\sigma^2}$

 $\int_{-4h}^{2} \left(\frac{4h}{4^3}\right)^2 \left(\frac{3}{4}\right)^2$