لموضوع :
Types of data;
W Quantitative out
- Numirical data
* Discrete (counting)
8 cats
8.5 Cats x
2.37 cals x
« Continuous (Measurement)
- distance - speed
2) Qualitative dusé
uses words '
- Descriptive dates based
on observation
- Involves 5 senses:
smell, see, feel, taste, hear

6.17	
Scales of Measurement	
1 Nominal Scale date	
	- Ranking / placement
	- Oillerence can't be measured
- order doesn't matter	- or der matters
Like: Names - Colors, Gender	- Like: experiences
- Can't be used in calculation	2
3) Interval Scale data	(4) Retro scale date
-order matters	- Order metters
- Differences can be measured	Differences cire
(except vatios)	measurable (including xodis)
- No true (o) starting point	
- Like: Temperatures	- like : Grades
* Statistical test:	& P-values
1- it needs data	- P-Value 20,05
2-it needs null ox	Ho -> X
primary hypothesis Ho	
3-it needs an Alternative	
hypothesis, Hz	
	p-values prone sided
	Ly Two- Sided
	8000

more extreme.

* Contidence interval (CI) is arange of values used to estimate the true population parameter based on a Sample of data it is expressed as a percentage (95% or 95%) indicating how confident we are that the true value lies within this range

* Regression analysis it is a statistical method used to study the relationship between a dependant variable and one or more independent variables.