

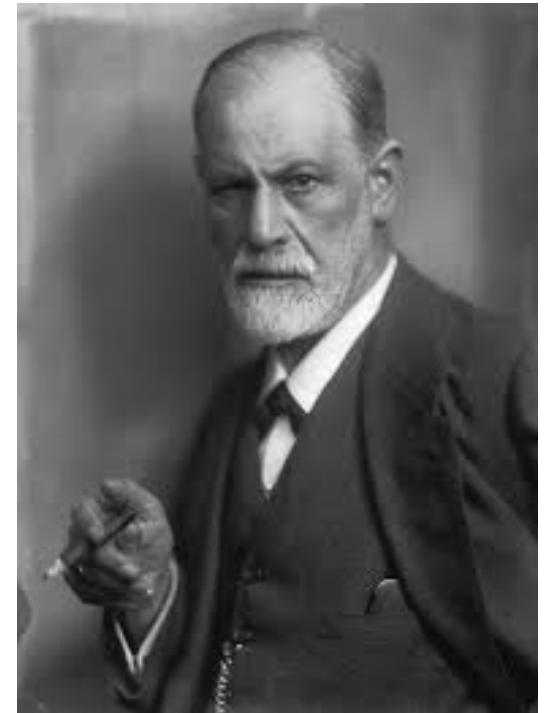
Maths in psychology



by marco chan

Sigmund Freud

- the father of psychoanalysis
- psychoanalysis, a clinical method for treating psychopathology through dialogue between a patient and a psychoanalyst
- 1856 –1939
- Austrian neurologist
- a doctor of medicine at the University of Vienna in 1881



psychoanalysis

- Through gathering data from his research(his patients) and analysis
- He developed a set of theories to explain human's mind and personality.



Freud's theories

- 2years old to 5years old.
- The relationship between your ***same-sex*** parent will lead to the development of morality, which is a positive relationship.



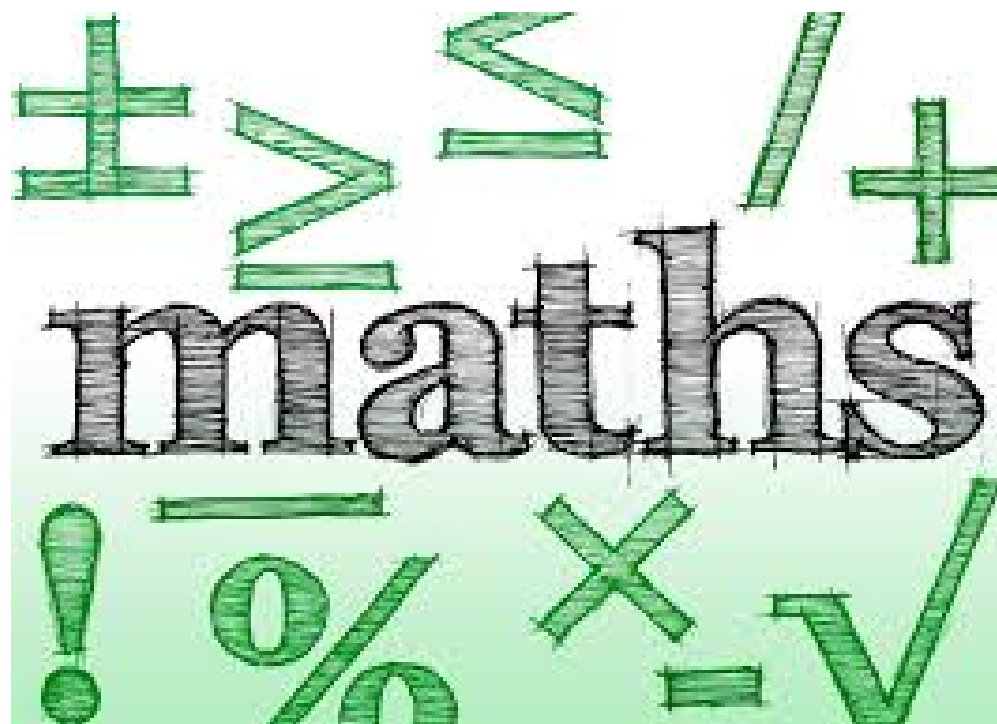
Why?

- According to Freud, children are discovered that they hate/fear their same sex parent at the age of 2-5years old unconsciously .
- In order to build a family harmony, children are willing to re-construct their relationship as they know its wrong due to the society moral.
- This process is called identification and Freud suggested this will generate superego, the morality principle.



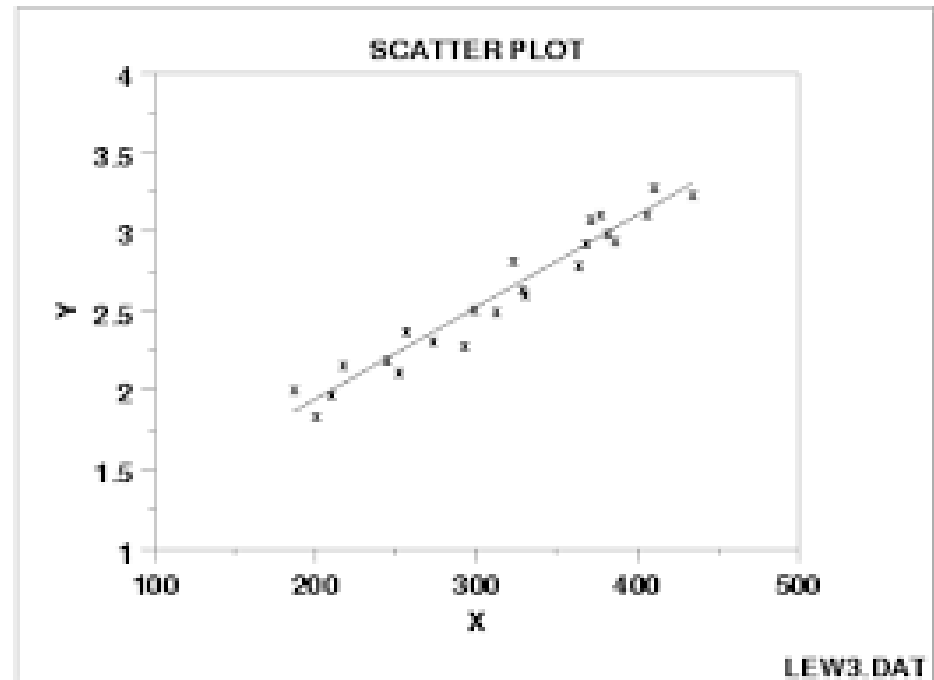
However...

How do we know if its valid and true??



How does maths work ?

- Correlation would help to prove. By gathering data of the relationship with the same sex parent and the morality now.



In detail..



- There are two variables in this case: relationship with same sex-parent and morality of the children.
- But they seem to be uncountable...
- Operationalization is here to help, enable to measure.
- We can use questionnaire with closed questions to gather measurable data.

Example of Operationalization

- Question for relationship: You have 100pounds, how much would you give to your same sex parent.
- Question for morality: You saw an 100 pounds on the floor, how much would you take for your-self?

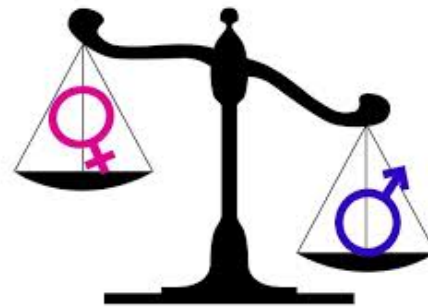


After collecting data...

By interpolating the result, then we will know if the theory is true or not.

Freud has also claimed that female tend to develop a weaker morality which means females ***may be*** less moral than male.

It means that PMCC of female is less than the PMCC of male.



Evaluation on correlation in terms of psychology

- + It helps and guides researcher to see the relationship between two variables. Plus, it suggests the approach for further research.
- - Correlation can be invalid as it can't provide a full view like lacking cause and effect within the variables.



There are also correlation theories from Freud

- 0-15m, the amount of being fed by breast will lead to later development like smoking and pen chewing, -ve relationship
- 15m-2y, parent strictness will lead to the development of tidiness, +ve relationship
- Etc...

