# Assignment Project Exam Help Spatial Data Science II

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#### Graphics in the news

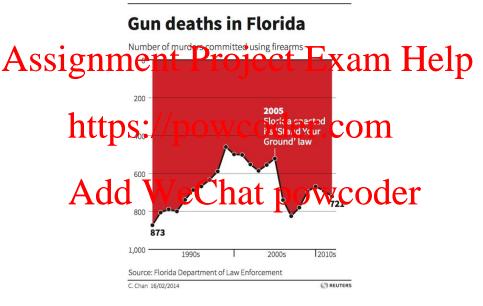


Figure 1: REUTERS

- Quantitative Revolution
- Lentre Ltendenty powcoder.com
- Distribution
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During the 1940s many geography departments were closing, including the geography program et dan additional departments and 1948. "geography is not a university subject." - Harvard President James B. Conant (Hardvard Magazine 2003)

The discipline of geography went through a major transformation in the 1905 to 960s/which who the function in evolution.

Division was increasing between human and physical geography

The critics of geography included:

- Only descriptive and unscientific lacking the explanation of Myttps://powcoder.com
- Few applications of geography at the time.
- Is geography a science or a social science?
- FAorle Whe or hat oppower of er

#### Quantitative Revolution III

# A Systemali Ment geograpy continents ix to use the telp

The adoption and create of quantitative approaches in geography included:

- https://powcoder.com
- Inferential Statistics
- Mathematical equations and models

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- Stochastic models that incorporated probability
- Deterministic models
  - Location models

Following the QR geographers begin to develop a number of technologies that are common place today.

- https://pay.coder.com
- Remote Sensing
- Statistical Modelling
- SAtiddal Weithat powcoder

#### Critiques of the Quantitative Revolution

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In the 1970s the critiques of the QR included an inability to address issues of race, gender, class and war. The fields of critical and feminist geography arose from these critics.

Critical GIS/Cartography
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- Follow along on your laptop if you wish.
- https://powcoder.com
- Scripts
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#### Classifying Data

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- Nominal
  - ► Categories are arbitrary
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  - A meaningful rank between the values
- Interval
- A He interviolet went values is meaningful (same distance)

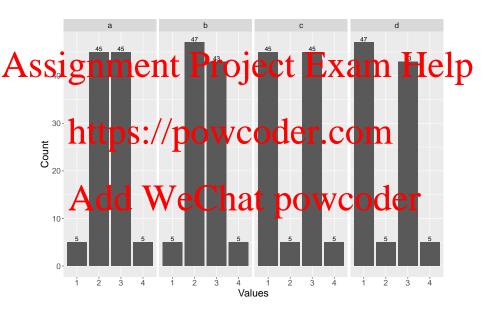
  Ratio
  - Meaningful zero point
    - Allows multiplication and division to be sensible.

#### (Some) Measures of Central Tendency

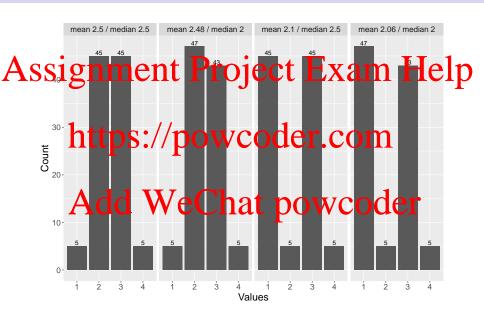
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- Median
- https://powcoder.com
  - ► Most frequent value
- Geometria mean Action Whee Chatun De Wooder
  - Often used for a set of numbers whose values are meant to be multiplied together or are exponential in nature

Tiny changes big effects, and vice-versa (mean & median)



#### How the mean and median are affected.



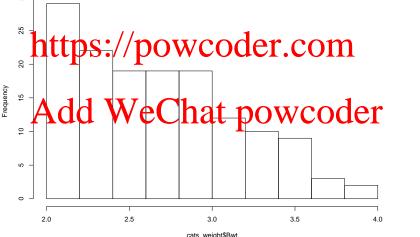
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- Modes
  - https://powcoder.com
- Skewness
- \*Atdd WeChat powcoder

#### Unimodal example

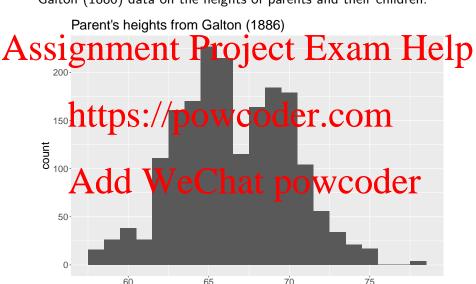
Modes are peaks in a histogram. The heart and body weights of samples of male and female cats.

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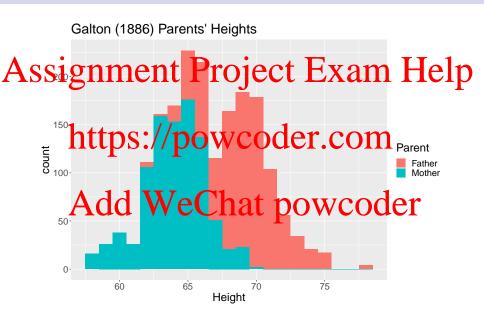


#### Modes - Bimodal

Galton (1886) data on the heights of parents and their children.



Height



#### Law of small numbers

Small samples may not abide by the same rules as the larger distribution.



Fallacy of the maturity of chances (Gambler's Fallacy)

# Assignment Project Exam Help The mistaken (and often unfortunate) belief that if something

happens more frequently than normal during a period, that it will happin less often in the future coder.com

A Philosophical Essay on Probabilities (1796) - Pierre-Simon Laplace

Identified that men who wanted a son would get anxious when let of to s had been born reachtly, in the only first.

#### Hot Hand

The belief of someone who achieves success on a random event, that they will have better luck at the event in the future.



As the number of trials or observations increases, the actual or observed probability/approaches the theoretical or expected probability PS.//POWCOTET.COM

https://www.youtube.com/watch?v=MntX3zWNWec

#### Sequence of coin flips

1111011110011001100100100110011011

#### Class example

- Dice / https://www.random.org/dice/
- Graph Paper / Paper

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