

Data Lesson 1

Ms. Duffy

Homework:

<https://ggbm.at/nRhkBjRZ>

Copy notes if missed.

Page 210-211 numbers 1, 2, 3

Data

Data - collected or measured information



Copy this
down!

Primary Data: Data you collect yourself.

Ex. The surveys you made in september collected information on the 1st year students.

Copy this down!

Secondary Data: Data someone else collects.



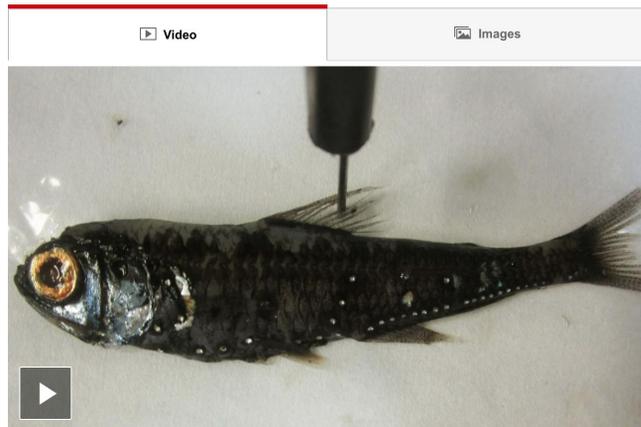
Copy this down!

Over 70% of deep-sea fish have ingested plastic, study finds

Irish-based researchers confirm plastic pollution is reaching deep into Atlantic Ocean

© Mon, Feb 19, 2018, 00:01

Kevin O'Sullivan

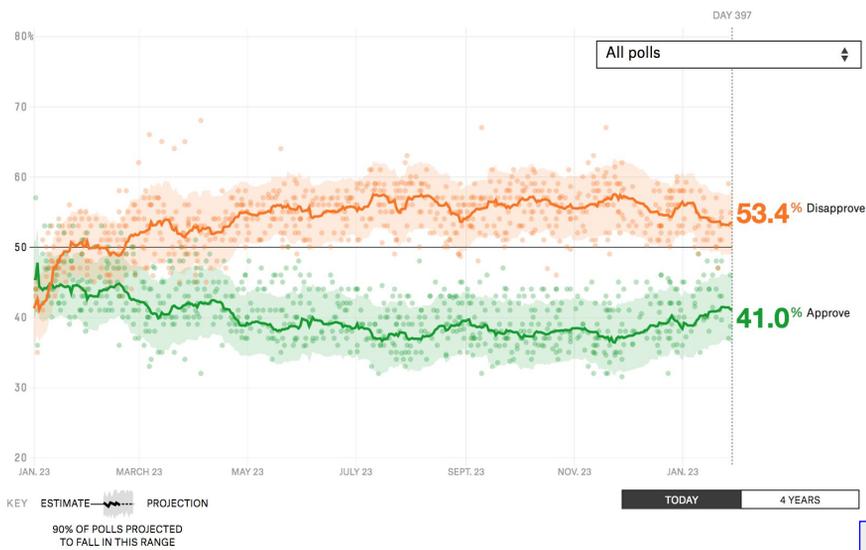


Alina Wiecek, lead author on the study by NUI Galway on microplastics ingested by deep water fish in the Northwest Atlantic Ocean. Video: NUI Galway

Irish Times

How popular is Donald Trump?

An updating calculation of the president's approval rating, accounting for each poll's quality, recency, sample size and partisan lean. [How this works »](#)



FiveThirtyEight.com

TRILOBITES

Borneo Lost More Than 100,000 Orangutans From 1999 to 2015



An orangutan in a sanctuary awaiting release on the Indonesian part of the island of Borneo. New research has found that 50 years of conservation efforts have failed to stem the decline of orangutans on the island. Ulet Ifansasti for The New York Times

NYTimes.com

Kenyan tribe readies for the death of its native tongue

Fewer than 10 elders speak Yakunte, a language native to Kenya's Yaaku people that the UN has classified as 'extinct'.

by **Osman Mohamed Osman**



22 minutes ago



Al Jazeera

There are many different **types** of data.

Can we think of some examples?

Types of data.

Copy this
down!

Categorical

Sounds like
Categories!

Ex. Gender

Numerical

Sounds like
Numbers!

Height or Age

Nominal Data

- A type of categorical data
- Data that can be identified by a particular **name** or category

Memory Trick

Nomen (Latin)
means "name"

Copy this
down!

Examples:

Fav. Sport:
Soccer
Rugby
Boxing
Swimming
GAA
Hockey
Etc.

Gender:
Male
Female
Other

Hair
Colour:
Blonde
Black
Red
Brown
Etc.

Ordinal Data

- A type of categorical data
- Data that *looks like numbers* BUT that are actually labels (categories).

Copy this
down!

Memory Trick

Ordinal sounds like
Order.

Ordo (Latin) means
order

Ordinal Data

Examples:

How often do you watch
TV?

- Rarely
- Some days of the week
- Everyday of the week

How often do you read a
book?

- Rarely
- Some days of the week
- Everyday of the week

How heavy is your backpack?

- HEAVY
- Sort of heavy
- Light
- Like a feather

What is the big difference between Nominal and Ordinal Data?

Copy this down!

Ordinal data **has natural order.**

How often do you shop at TOPSHOP?

- Every day
- Once a week
- Once a month
- Less than every three months

Nominal data has **no natural order.**

What gender do you identify as?

What country were you born in?

Name: _____

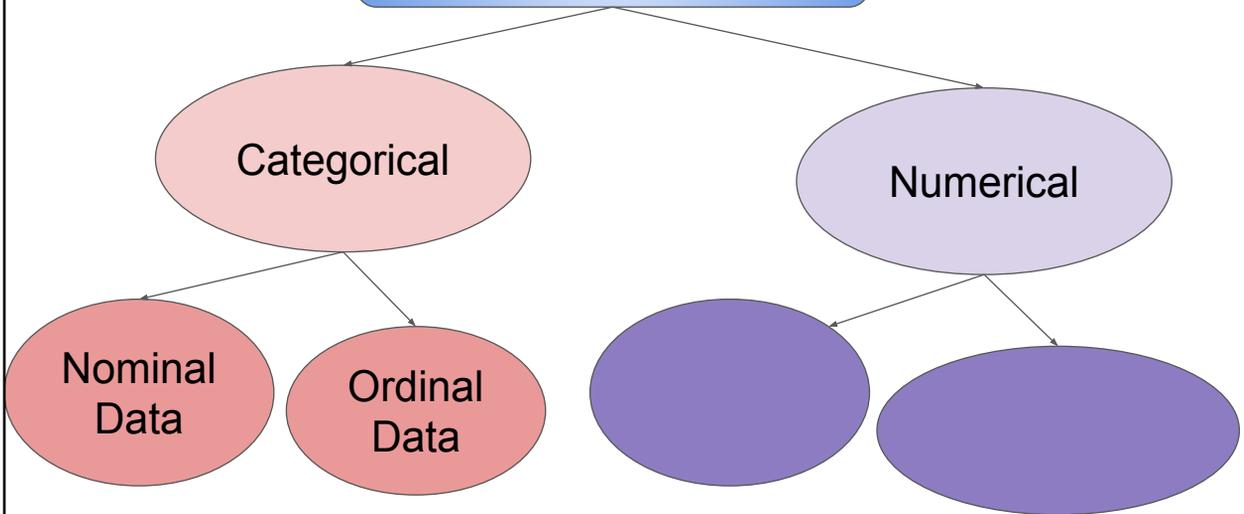
Nominal → Name

Give an examples of nominal data:

Ordinal → Order

Give examples of ordinal data:

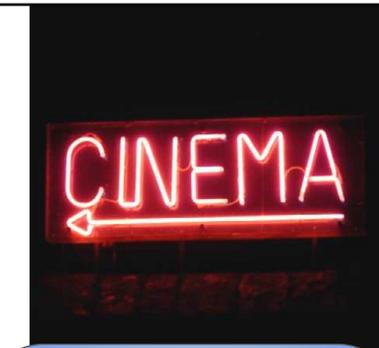
Types of data.



Example

How often do you go to the cinema?

- Never
- Once a week
- Once a month
- Once every few months
- Once or twice a year



What type of data is this question collecting?
a. Numerical
b. Nominal
c. Ordinal

Example

Which form of media do you prefer to use in art class?

- Paint
- Pastels
- Charcoal pencil
- Sewing and Textiles
- Ceramics

What type of data is this question collecting?
a. Numerical
b. Nominal
c. Ordinal

Example

Who is your favourite character in the Harry Potter series?

- Harry
- Ron
- Hermione
- Dobby the House Elf
- Voldemort

What type of data is this question collecting?
a. Numerical
b. Nominal
c. Ordinal



Example

How many pets do you have at home?

- 1
- 2
- 3
- 4
- 5
- 6
- 7



What type of data is this question collecting?

- a. Continuous
- b. Discrete
- c. Numerical