HS ELECTIVES

SOCIOLOGY SUBJECT FOR HIGH SCHOOL

CONCEPTS IN PROBABILITY AND STATISTICS

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Here is where your presentation begins

CONTENTS OF THIS TEMPLATE

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Here's what you'll find in this **Slidesgo** template:

- A slide structure based on a multi-purpose presentation for education, which you can easily adapt to your needs. For more info on how to edit the template, please visit **Slidesgo School** or read our **FAQs**.
- An assortment of graphic resources that are suitable for use in the presentation can be found in the **alternative resources slides**.
- A **thanks slide**, which you must keep so that proper credits for our design are given.
- A **resources slide**, where you'll find links to all the elements used in the template.
- **Instructions for use**.
- Final slides with:
  - The **fonts and colors** used in the template.
  - A **selection of illustrations.** You can also customize and animate them as you wish with the online editor. Visit **Storyset** to find more.
  - More **infographic resources**, whose size and color can be edited.
  - Sets of **customizable icons** of the following themes: general, business, avatar, creative process, education, help & support, medical, nature, performing arts, SEO & marketing, and teamwork.

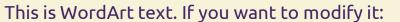You can delete this slide when you're done editing the presentation.

TEMPLATE WITH WORDARTS

WORDART

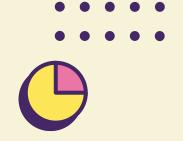This is WordArt text. If you want to modify it:

- Double-click on it
- Type your new text in the dialog box
- You can change the fill color in the top menu
- You can also modify the stroke, its color, thickness or type
- Press Enter

TABLE OF CONTENTS

01
SOCIOLOGY
Describe the topic of the section here

02
PROBABILITY
Describe the topic of the section here

03
STATISTICS
Describe the topic of the section here

"This is a quote, words full of wisdom that someone important said and can make the reader get inspired."

▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶

—SOMEONE FAMOUS

01

SOCIOLOGY

You can enter a subtitle here if you need it

SOCIOLOGY AND MATHS

▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶

Here you can give a brief description of the topic you want to talk about. For example, if you want to talk about Mercury, you can say that it's the smallest planet in the entire Solar System
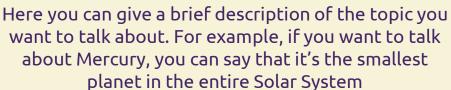
POPULATION

These are the regions with the highest population

CHINA

Venus has a beautiful name

BRAZIL

It is the biggest planet of them all

INDIA

It's the farthest planet from the Sun

HISTORY OF SOCIOLOGY

MERCURY
Mercury is the closest planet to the Sun

VENUS
Venus is the second planet from the Sun

JUPITER
It's the biggest planet in the Solar System

SATURN
Saturn is a gas giant and has several rings

NEPTUNE
Neptune is the farthest planet from the Sun

MARS
Despite being red, Mars is actually a cold place

HOW TO USE MATHS IN SOCIOLOGY

▶▶▶▶▶▶▶▶

01

MERCURY

It is the closest planet to the Sun and the smallest one in the Solar System

02

VENUS

Venus has a beautiful name and is the second planet from the Sun

02

PROBABILITY

You can enter a subtitle here if you need it

BASICS OF PROBABILITY

▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶

Do you know what helps you make your point clear?
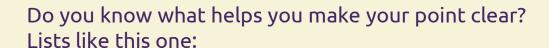Lists like this one:

- They're simple
- You can organize your ideas clearly
- You'll never forget to buy milk!

And the most important thing: the audience won't miss the point of your presentation

APPLICATIONS OF PROBABILITY

VENUS

Venus has a beautiful name and is the second planet from the Sun

MERCURY

It's the closest planet to the Sun and the smallest in the Solar System

MARS

Despite being red, Mars is actually a cold place. It's full of iron oxide dust

VENN DIAGRAMS

50%

30%

20%

MERCURY
It's the closest planet to the Sun and the smallest in the Solar System

VENUS
Venus has a beautiful name and is the second planet from the Sun

MARS
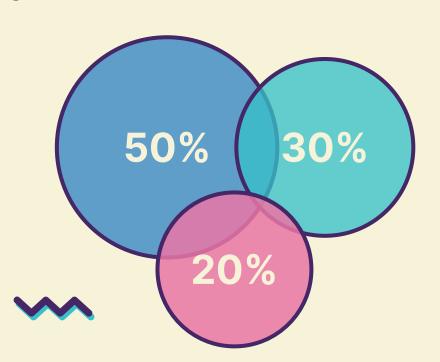Despite being red, Mars is actually a cold place. It's full of iron oxide dust

A PICTURE ALWAYS REINFORCES THE CONCEPT

Images reveal large amounts of data, so remember: use an image instead of a long text. Your audience will appreciate it

CONDITIONAL PROBABILITY

▶▶▶▶▶▶▶▶

$$P(A \mid B) = P(A \cap B) \,/\, P(B)$$

01 **SATURN**
Saturn is a gas giant and has several rings

02 **NEPTUNE**
Neptune is the farthest planet from the Sun

03 **PLUTO**
Pluto is now considered a dwarf planet

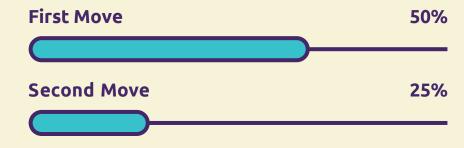**04** **EARTH**
Earth is the third planet from the Sun
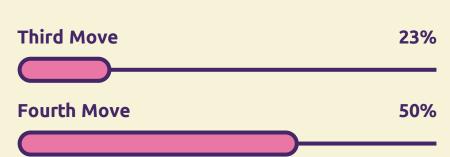
AWESOME WORDS

PROBABILITY

FACE A

Mars is a cold place. It's full of iron oxide dust, which gives the planet its reddish cast

FACE B

Venus has a nice name and is the second planet from the Sun. It's terribly hot

First Move — 50%

Second Move — 25%

Third Move — 23%

Fourth Move — 50%

150,000

Big numbers catch your audience's attention

2,000

Mars is actually a cold place

▶▶▶▶▶▶

9,000

Neptune is the farthest planet

EXERCISE 1

Answer the following questions

- A bag contains 4 red rings, 8 green rings and 11 white rings. If a ring is drawn from the bag at random, what is the probability that this ring is white?

- What is the probability of throwing two dice and getting the sum of the fallen numbers greater than 3?

- A die is rolled and a coin is tossed, find the probability that the die shows an odd number and the coin shows a head

- Someone at the post office placed three letters randomly into three envelopes. What is the probability that at least one of the recipients gets his letter?
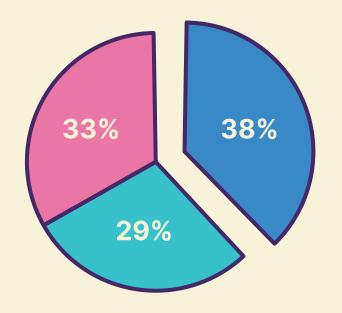
03

STATISTICS

You can enter a subtitle here if you need it

STATISTICS

VENUS

Venus has a beautiful name and is the second planet from the Sun

MARS

Despite being red, Mars is a cold place. It's full of iron oxide dust

MERCURY

Mercury is the closest planet to the Sun and the smallest one

33% **38%** **29%**

38%

It's the farthest planet from the Sun

Follow the link in the graph to modify its data and then paste the new one here. **For more info, click here**

MAKING TWO WAY TABLES

Venus has a beautiful name and is the second planet from the Sun

	VENUS	SATURN	TOTAL
MERCURY	21	39	60
MARS	135	45	180
TOTAL	156	84	**240**
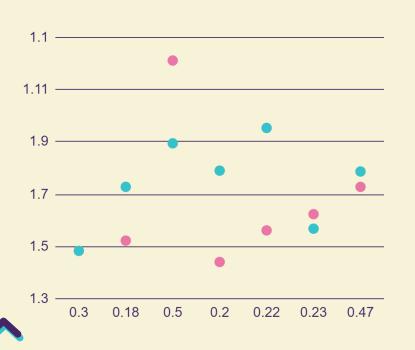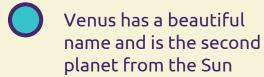
Row totals
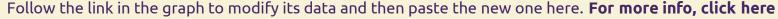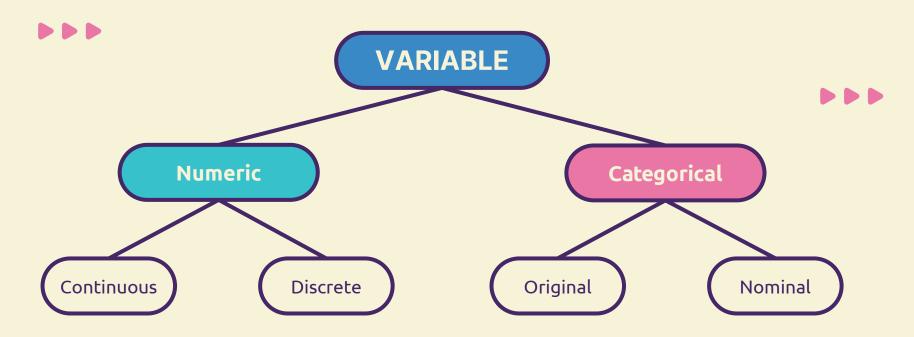
Column totals

SCATTER PLOTS

VENUS

Venus has a beautiful name and is the second planet from the Sun

MARS

Despite being red, Mars is a cold place. It's full of iron oxide dust

Follow the link in the graph to modify its data and then paste the new one here. **For more info, click here**

HOW TO TESTING AN HYPOTHESIS

VENUS
Venus is the second planet from the Sun

SATURN
Saturn is a gas giant and has several rings

MERCURY
Mercury is the closest planet to the Sun

MARS
Despite being red, Mars is actually a cold place

CHECKLIST

MARS

○ Mars is a cold place

● It's the fourth planet

● It has a thin atmosphere
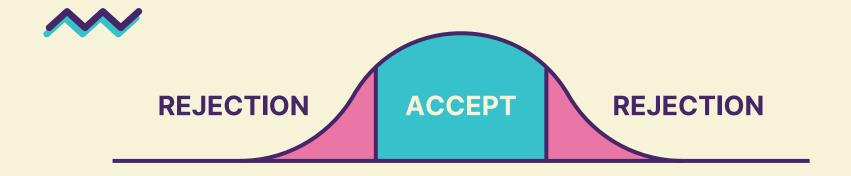
○ It's a red planet

● It's full of iron oxide dust

VENUS

● Venus has a beautiful name

○ It's the second planet

○ Venus is a terrestrial planet

● Its atmosphere is poisonous

● It's full of iron oxide dust

HYPOTHESIS TESTING

REJECTION

ACCEPT

REJECTION

REJECTION

Jupiter is the biggest
planet of them all

ACCEPT

Venus is the second
planet from the Sun
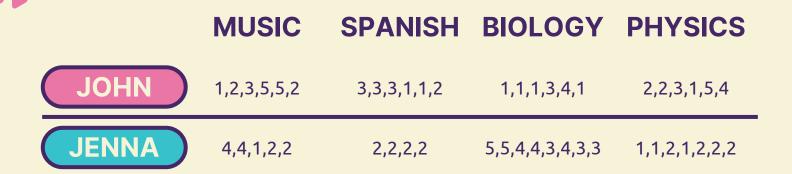
EXERCISE 2

The twins John and Jenna have created a table of their school grades, which they got throughout the whole semester in certain subjects

	MUSIC	SPANISH	BIOLOGY	PHYSICS
JOHN	1,2,3,5,5,2	3,3,3,1,1,2	1,1,1,3,4,1	2,2,3,1,5,4
JENNA	4,4,1,2,2	2,2,2,2	5,5,4,4,3,4,3,3	1,1,2,1,2,2,2

Calculate the final grade of the twins in all subjects, if the range of the school grades is from 1 to 5

A PICTURE IS WORTH A THOUSAND WORDS

DESKTOP WEB

▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶

You can replace the image on the screen with your own work. Just delete this one, add yours and center it properly

TABLET APP

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SOCIOLOGY AND MATHS

Here you could give a brief description of the topic you want to talk about. For example, if you want to talk about Mercury, you could say that it's the smallest planet in the entire Solar System
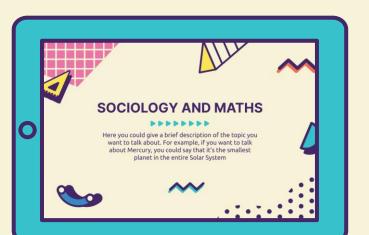
MOBILE APP

▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶

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"This is a quote, words full of wisdom that someone important said and can make the reader get inspired."

▶ ▶ ▶ ▶ ▶ ▶

—SOMEONE FAMOUS

OUR TEAM

JENNA DOE

You can replace the image on the screen with your own

TOM JIMMY

You can replace the image on the screen with your own

SARAH DOE

You can replace the image on the screen with your own

THANKS

▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶

Do you have any questions?

youremail@freepik.com
+91 620 421 838
yourcompany.com

ALTERNATIVE RESOURCES

ALTERNATIVE RESOURCES

Here's an assortment of alternatives resources whose style fits that of this template

PHOTOS

- Close up yahtzee game white table
- Top view game yahtzee
- Medium shot women playing cards
- Content student with studies
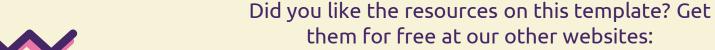- Handsome male with marker looking camera

RESOURCES

Did you like the resources on this template? Get them for free at our other websites:

PHOTOS

- Stacked pink dices pink background
- Student with problems mathematics
- Front view woman teaching from home
- Teacher with notebook outdoor
- Front view african man with cup

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Inter
(https://fonts.google.com/specimen/Inter)

Ubuntu
(https://fonts.google.com/specimen/Ubuntu)

#f6f3d9
#452666
#f26f55
#fce657
#37c1ca
#3889c6
#ea76a6

Storyset

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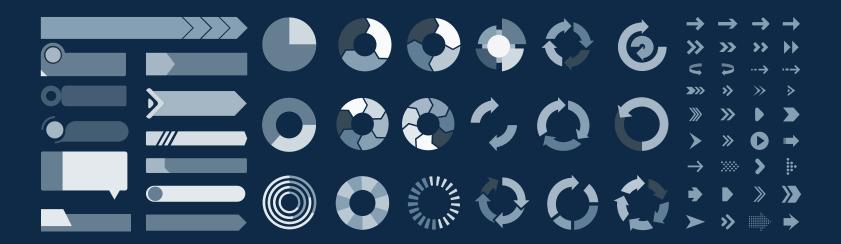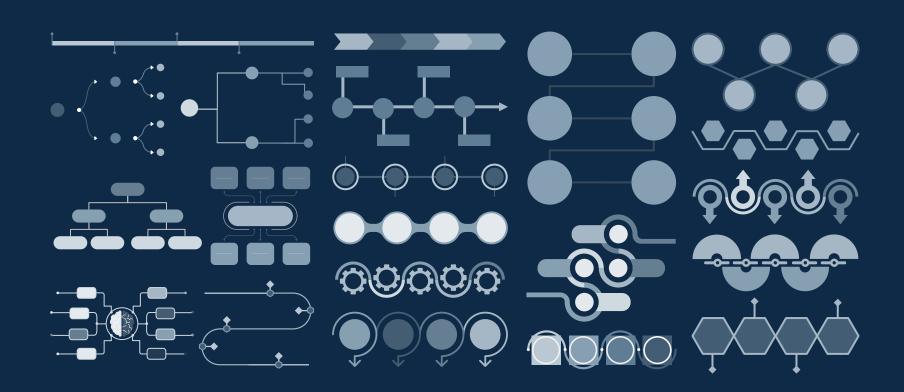
Pana

Amico

Bro

Rafiki

Cuate

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PHASE 1

Task 1

Task 2

PHASE 2

Task 1

Task 2

PHASE 1

Task 1

Task 2

...and our sets of editable icons

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In Google Slides, you can also use Flaticon's extension, allowing you to customize and add even more icons.

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Medical Icons

Business Icons

Teamwork Icons

Help & Support Icons

Avatar Icons

Creative Process Icons

Performing Arts Icons

Nature Icons

SEO & Marketing Icons