

Wykorzystanie urządzeń wirtualnej rzeczywistości do diagnozowania schorzeń związanych z daltonizmem

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XVIII Rzeszowska Konferencja Młodych Fizyków

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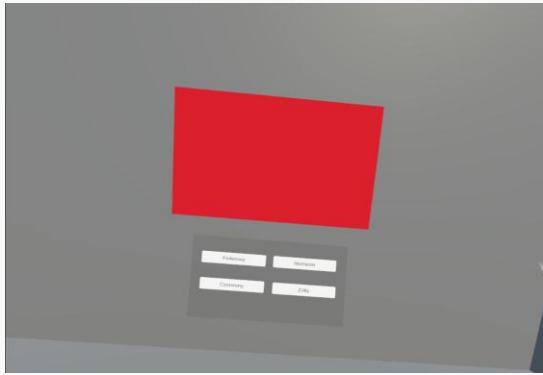
01

Daltonizm to nie
tylko szarość

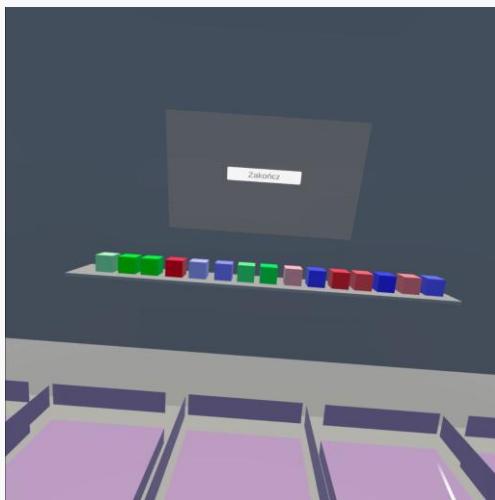
Wybrane schorzenia daltonizmu

<u>Deuteranomia</u>	
Protanopia	
Protanomia	
Deuteranopia	
Tritanomalia	
Monochromacja pręcikowa	

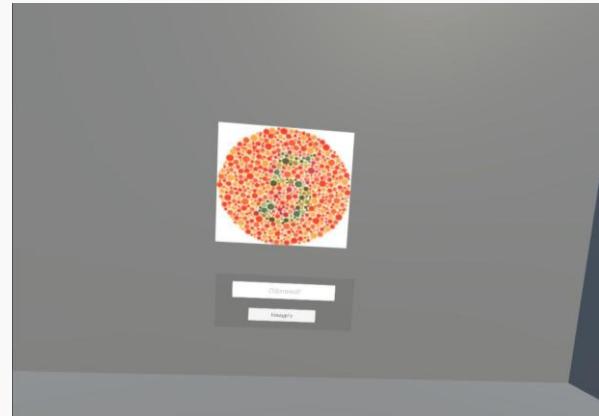
Badania mogą również być zabawą



Test kolorów



Test Barw



Test Ishihary

Test Barw



Test Barw (Protanopia)

Wybierz kolor

Czerwony

Zielony

Niebieski



Wybierz kolor

Protanopia

Test Barw

01

Zebrane Dane

03

Eye Tracker

02

Opinia
Badanych

04

Sztuczna
Inteligencja

Dziękuję za uwagę



Whoa!

This can be the part of the presentation where you introduce yourself or maybe write your email...

Introduction

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

Background

Mercury is the closest planet to the Sun and the smallest in the Solar System. This planet's name has nothing to do with the liquid metal, since Mercury was named after the Roman messenger god. Its surface is filled with craters and plains

Speaking of craters, many of them were named after artists or authors who made significant contributions to their respective fields. Mercury takes a little more than 58 days to complete its rotation, so try to imagine how long days must be there!

About formulating a research problem

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 at all

Identify a relevant research problem



Finding interests

Earth is the third planet from the Sun and the only one that harbors life in the Solar System



Selecting a problem

Jupiter is a gas giant named after the Roman god of the skies and lightning

02

Research questions

You can enter a subtitle here if you need it

Types of research questions



Descriptive

Jupiter is a gas giant and the biggest planet in the entire Solar System



Exploratory

Mercury is the closest planet to the Sun and the smallest of them all



Explanatory

Earth is the third planet from the Sun and the only one that harbors life

Factors to consider

Relevance



Jupiter is a gas giant and the biggest planet in the entire Solar System

Feasibility



Mars is full of iron oxide dust, which gives the planet its reddish cast

Interest



Mercury is the closest planet to the Sun and the smallest of them all

Significance



Venus is the second-brightest natural object in the night sky

Research question guidelines checklist

Aspect	Question to ask yourself	✓	X
Clarity	Is the question clearly and concisely stated?	✓	
Specificity	Does the question focus on a well-defined aspect?		X
Relevance	Is the question directly related to the research problem?		
Open-endedness	Can the question be answered with more than a “yes” or “no”?		
Feasibility	Are the necessary resources and data available?		
Scope	Is the question manageable within the study’s scope?		
Alignment	Does the question contribute to achieving study objectives?		

Define study objectives (SMART)

Specific

Venus is the second-brightest natural object in the night sky

Measurable

Jupiter is a gas giant and the biggest planet in the entire Solar System

Achievable

Mars is full of iron oxide dust, which gives the planet its reddish cast

Relevant

Mercury is the closest planet to the Sun and the smallest of them all

Time-bound

Jupiter is a gas giant and the biggest planet in the entire Solar System

Ethical considerations

Consent

Jupiter is a gas giant and the biggest planet in the entire Solar System

Confidentiality

Earth is the third planet from the Sun and the only one that harbors life

No deception

Mercury is the closest planet to the Sun and the smallest of them all

Respect

Neptune is the fourth-largest planet in the Solar System

Low harm

Venus is the second-brightest natural object in the night sky

Publication

Mars is full of iron oxide dust, which gives the planet its reddish cast



Awesome
words

“ ”

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

—Someone Famous



A picture is worth a thousand words

An image reinforces the concept

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



1,000,000

Big numbers catch your audience's attention

9h 55m 23s

Jupiter's rotation period

333,000

The Sun's mass compared to Earth's

386,000 km

Distance between Earth and the Moon

Initial stage of research approach

80/20

3-5

360°

Problem /
definition

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

Research
questions

Jupiter is a gas giant and the
biggest planet in the entire
Solar System

Problem
exploration

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

Formulation of a research problem

70%

Alignment

Venus is the second-brightest natural object in the night sky after the Moon

95%

Ethical awareness

Mercury is the closest planet to the Sun and the smallest in the Solar System

Impact of research

Seed stage

Mars is full of iron oxide dust, which gives the planet its reddish cast



Fruit stage

Jupiter is a gas giant and the biggest planet in the entire Solar System

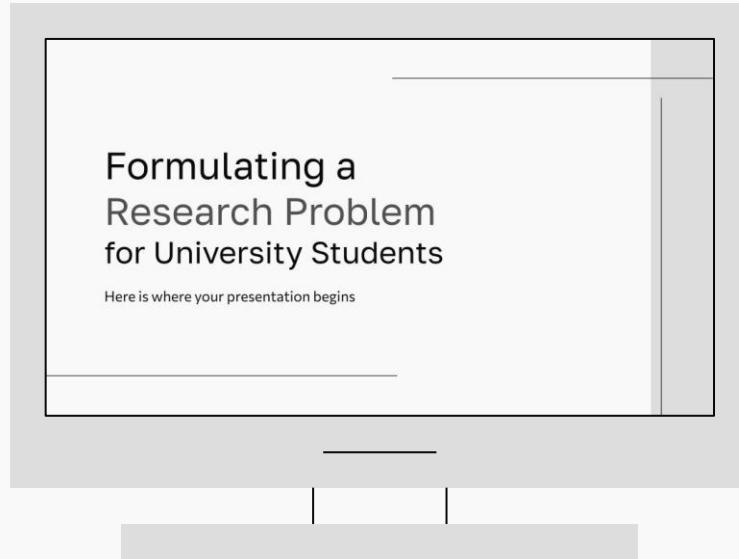


Growth stage

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

Desktop software

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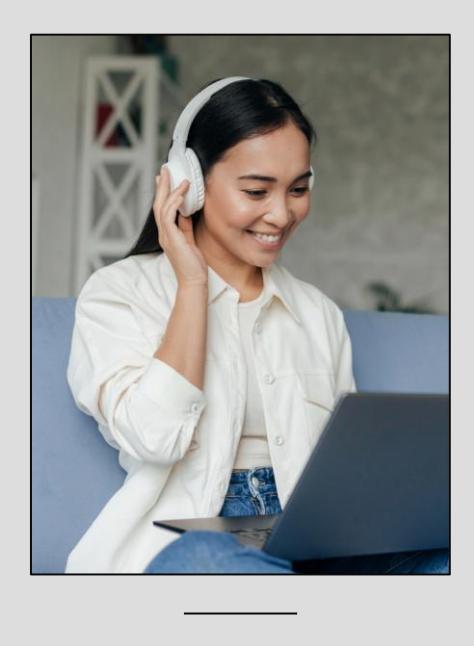


Check our mobile app

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the screen with your own
work. Just right-click on it and
select “Replace image”

Available for tablets, too!

You can replace the image on the screen with your own work. Just right-click on it and select “Replace image”



Research collaboration network map

Institution A

Venus is the second planet from the Sun

Institution B

Mercury is the closest planet to the Sun

Institution C

Jupiter is the biggest planet in the Solar System



Research journey map

Literature

Earth is the only planet
known to harbor life

Objectives

Mercury is the closest
planet to the Sun

01

02

03

04

05

Identify interest

Jupiter is the biggest planet
in the Solar System

Define problem

Venus is the second planet
from the Sun

Contribution

Despite being red, Mars is
actually a cold place

Research question components



Variables

Venus is the second planet from the Sun

Context

Jupiter is the biggest planet in the Solar System

Main focus

Despite being red, Mars is actually a cold place

Population

Earth is the only planet known to harbor life

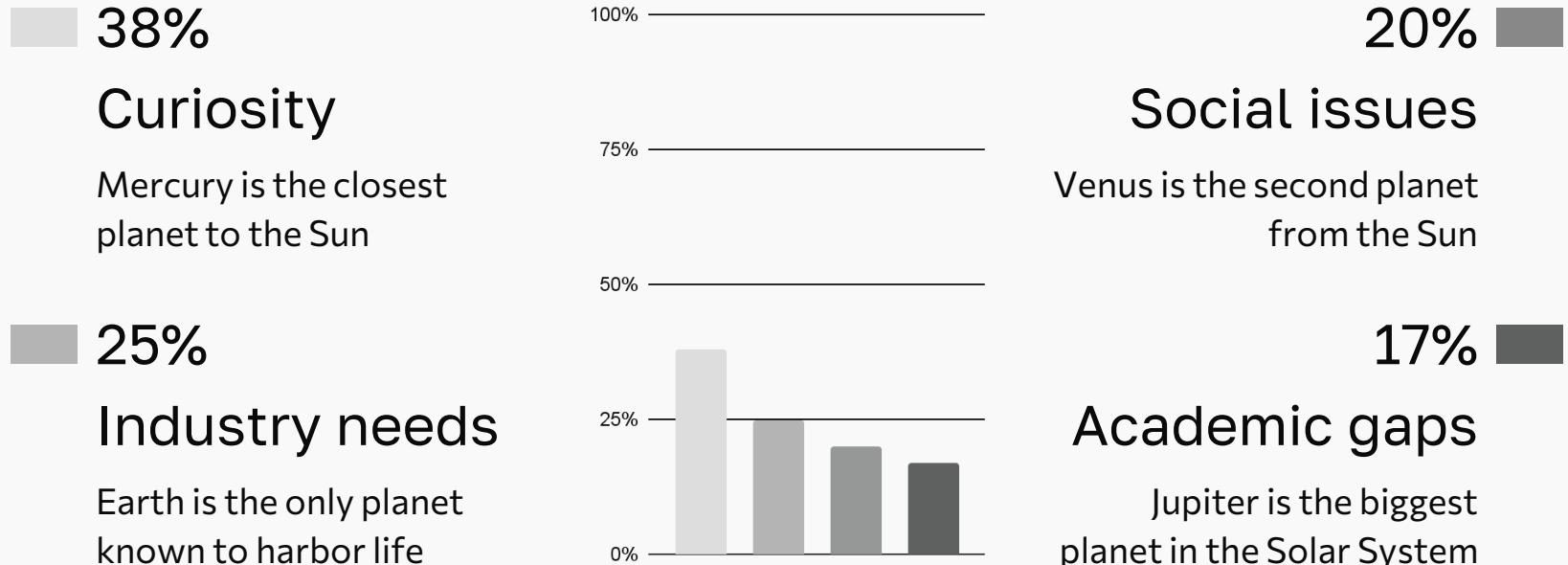
Relationship

Mercury is the closest planet to the Sun

Research scope and specificity

Aspect	Advantages	Disadvantages
Broad scope	<ul style="list-style-type: none">—Jupiter is a gas giant—Mercury is very small	<ul style="list-style-type: none">—The Moon is our satellite—Uranus is an ice giant
Narrow scope	<ul style="list-style-type: none">—Venus is a hot planet—We all live on Earth	<ul style="list-style-type: none">—Pluto is a dwarf planet—The Sun is a bright star
Balanced scope	<ul style="list-style-type: none">—Mars is a cold planet—Saturn is a gas giant	<ul style="list-style-type: none">—Neptune is far from us—Phobos is a moon

Sources of research problems



Follow the link in the graph to modify its data and then paste the new one here. For more info, [click here](#)

Conclusions

Mercury's name has nothing to do with the liquid metal. It was named after the Roman messenger god!

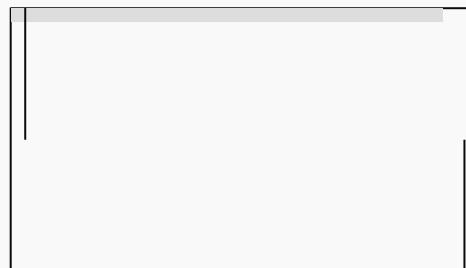
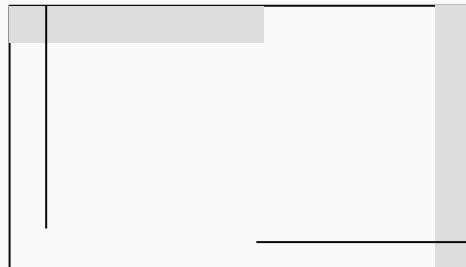
- Jupiter is the biggest planet of them all
 - Venus is the second planet from the Sun
 - Earth is the third planet from the Sun
-

Icon pack



Alternative resources

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



Resources

Did you like the resources on this template? Get them on these websites:

Vectors

- [Interior design magazine horizontal business card template](#)

Photos

- [Young student learning in the library I](#)
- [Young student learning in the library II](#)
- [Students with laptop medium shot](#)
- [Study group learning in the library](#)

Photos

- [Smiley woman with headphones working on laptop](#)
- [Portrait of entrepreneur holding laptop](#)
- [Medium shot woman at desk](#)
- [Happy man speaking on phone in cafe](#)

Icons

- [Icon pack: learning | lineal](#)

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(<https://fonts.google.com/specimen/Golos+Text>)

Commissioner

(<https://fonts.google.com/specimen/Commissioner>)

#ffffff

#dddddd

#b3b4b3

#878887

#5f6160

#0a0a0a

Storyset

Create your Story with our illustrated concepts. Choose the style you like the most, edit its colors, pick the background and layers you want to show and bring them to life with the animator panel! It will boost your presentation. Check out [how it works](#).



Pana



Amico



Bro



Rafiki



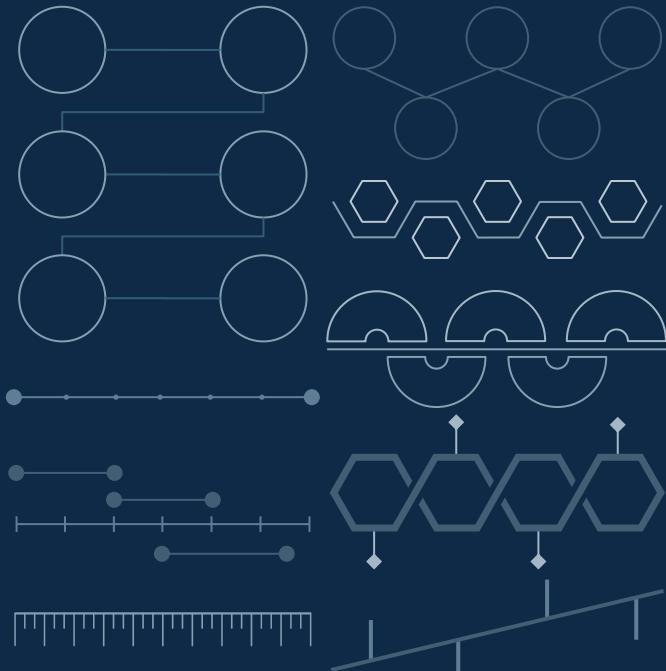
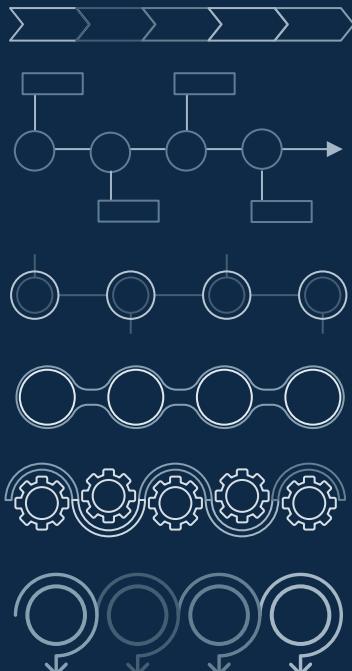
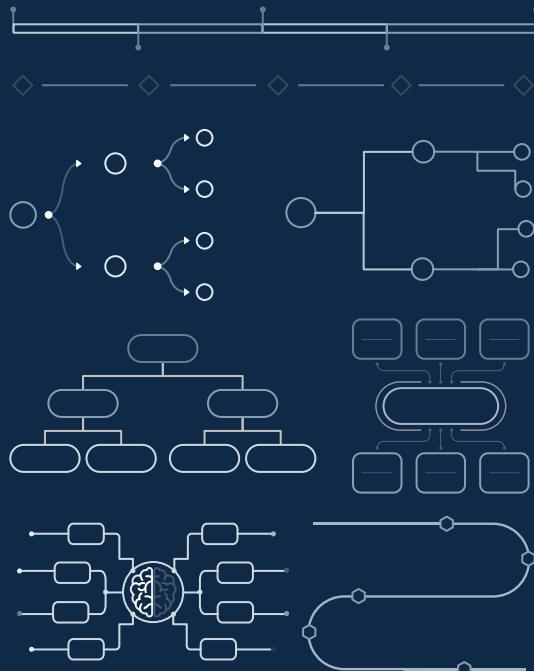
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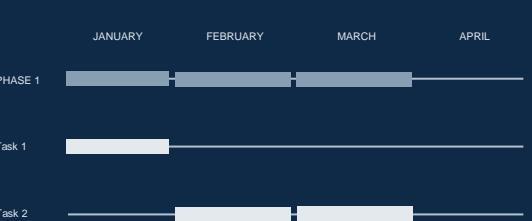
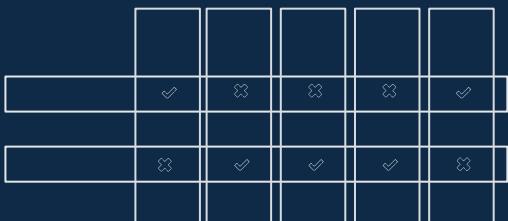
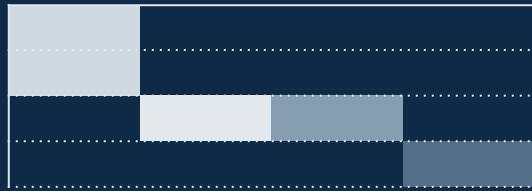
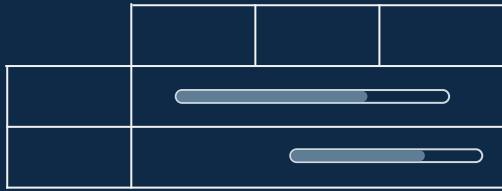
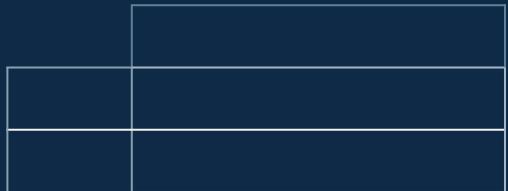
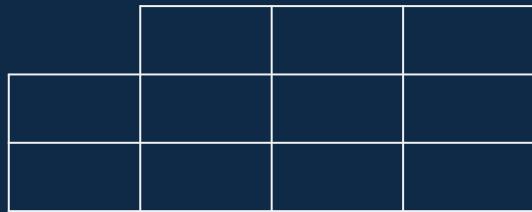
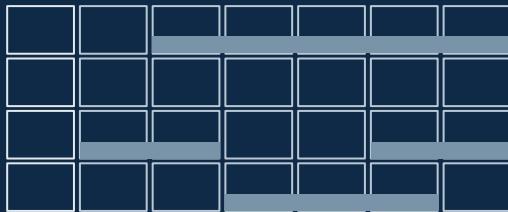
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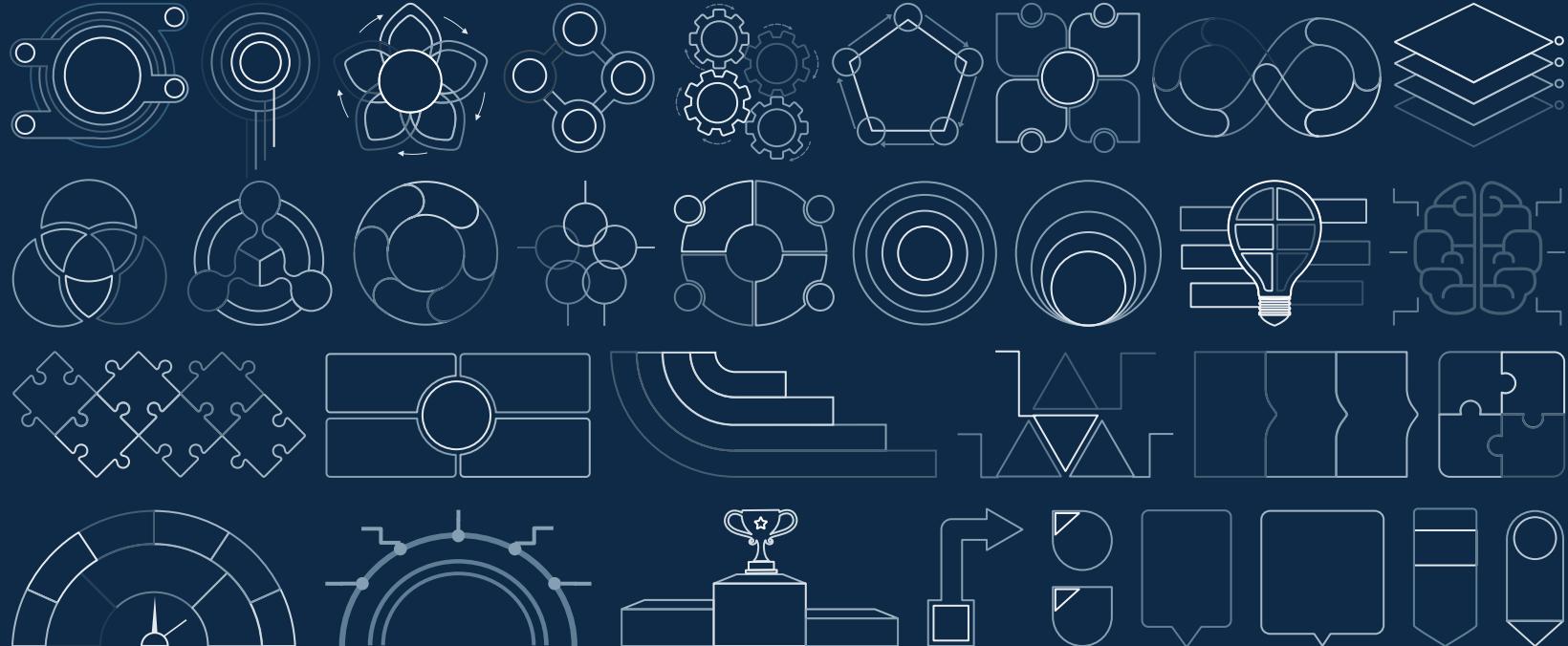
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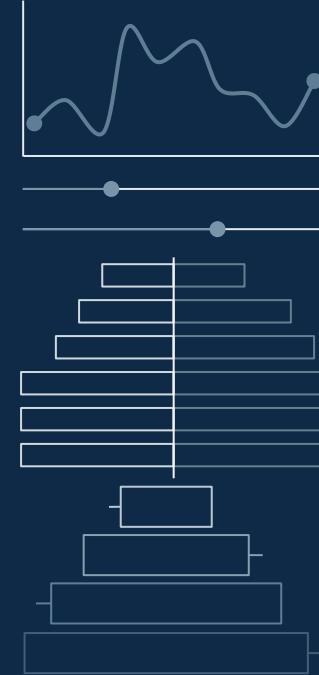
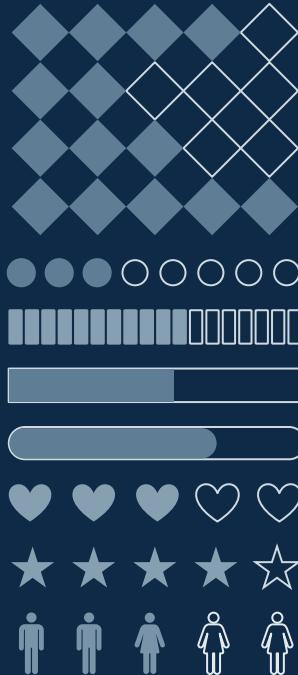
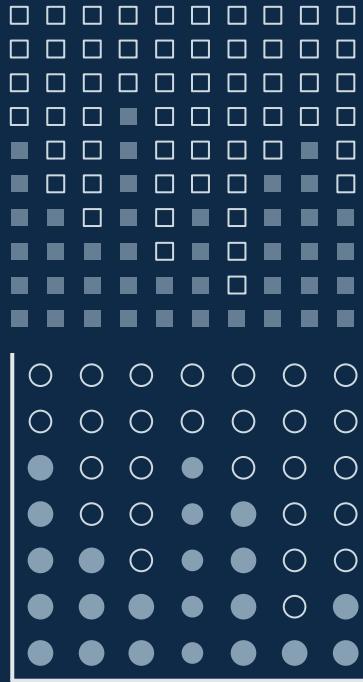












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