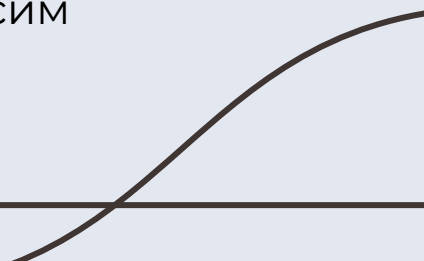




Итог производственной практики

Авторы:
Базаев Владислав,
Новиков Родион,
Луговцов Максим



Устройство ЭВМ.

Изучение архитектуры ЭВМ, структуры и основных принципов работы ЭВМ

ЭВМ — это электронное устройство, которое предназначено для приема входных данных, их обработки в соответствии с набором инструкций и получения выходных данных. Она может выполнять множество задач, таких как хранение и извлечение информации, запуск программных приложений и подключение к Интернету. Компьютеры бывают разных форм, таких как настольные компьютеры, ноутбуки, планшеты и смартфоны. Они стали неотъемлемой частью современной жизни и используются в различных сферах, включая бизнес, образование, развлечения и общение.

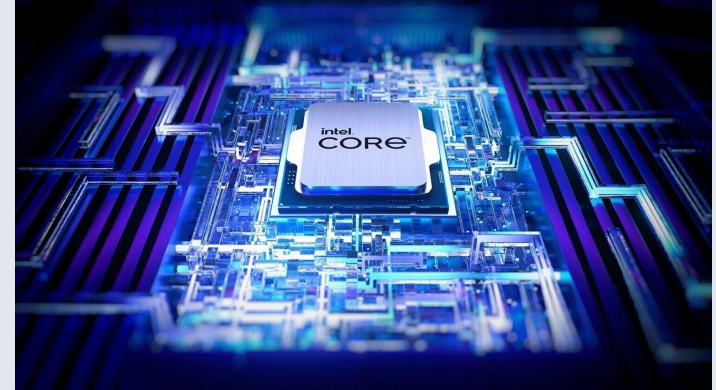
Архитектура компьютерных систем — это проектирование и организация компонентов компьютерной системы. Сюда входят аппаратные компоненты, такие как процессор, память, устройства ввода-вывода и устройства хранения, а также программные компоненты, такие как операционная система и приложения. Архитектура компьютерной системы предназначена для обеспечения основы для эффективной и надежной работы системы, а также для поддержки функциональных возможностей, необходимых пользователям и приложениям.

Процессор является ключевым компонентом архитектуры компьютерных систем. Он выполняет команды, обрабатывает данные и управляет работой компьютерной системы.

Процессор состоит из арифметико-логического устройства (АЛУ), регистров и устройства управления.

Память используется для хранения данных и программ. Она может быть разделена на несколько уровней, включая кэш-память, оперативную память и внешнюю память.

Ввод-вывод обеспечивает взаимодействие с устройствами для ввода и вывода данных, такими как клавиатура, мышь, монитор, принтер и другие.



Операционные системы

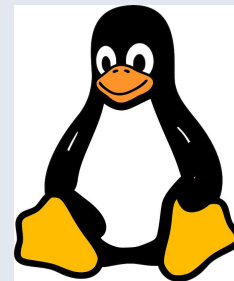
Операционная система (ОС) — это программа, которая управляет аппаратными и программными ресурсами компьютера и предоставляет общие службы для компьютерных программ. Операционная система является наиболее важным типом системного программного обеспечения в компьютерной системе. Она отвечает за управление компьютерными ресурсами, такими как память, вычислительная мощность, устройства хранения и устройства ввода/вывода (I/O). Операционная система также предоставляет пользовательский интерфейс, который позволяет пользователям взаимодействовать с компьютером и запускать приложения.

Вот несколько примеров популярных операционных систем:

Windows



Linux



macOS



Android



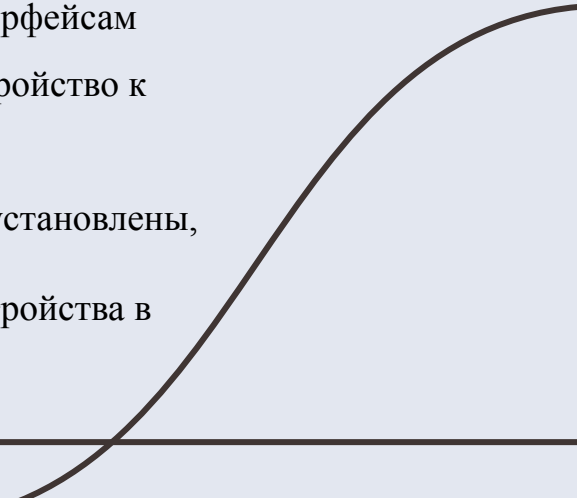
Работа с дополнительными внешними устройствами ПК

К дополнительным внешним устройствам ПК относятся: поиск драйверов, подключение, настройка, установка и замена расходных материалов для принтеров, ксерокса, плоттера.

Внешние устройства – представляют собой, совокупность дополнительных устройств персонального компьютера расширяющих его функционал. Периферийные устройства можно, условно, разделить на две основные группы исходя из их назначения: устройства ввода и устройства вывода.



Во время исполнения задач нужно иметь внешние устройства для выполнения качественной работы, например, для создания копии документа без ксерокса получится неполноценный документ.

- 1. Поиск драйверов.** Каждое устройство имеет свой драйвер, который необходимо установить, чтобы оно работало корректно. Драйверы можно найти на сайте производителя устройства или на специальных сайтах, которые предоставляют бесплатное скачивание драйверов.
 - 2. Подключение.** Подключение устройства может происходить по разным интерфейсам (USB, HDMI, VGA, Bluetooth и т.д.). Необходимо правильно подключить устройство к соответствующему порту на компьютере.
 - 3. Настройка.** После того, как устройство правильно подключено и драйверы установлены, необходимо настроить его работу в операционной системе. Для этого можно воспользоваться специальной утилитой устройства или настроить работу устройства в настройках операционной системы
- 

Работа в текстовом процессоре и работа в электронных таблицах

Работа в текстовом процессоре:

Работа в текстовом процессоре предназначена для создания и редактирования текстовых документов. С помощью текстового процессора можно создавать различные документы, такие как письма, отчеты, договоры, статьи и т.д. Текстовые процессоры позволяют форматировать текст, добавлять таблицы, изображения, графики, ссылки и другие элементы, чтобы документы выглядели более привлекательно и удобочитаемо.



WORD



NOTEPAD

Работа в электронных таблицах:

Работа в электронных таблицах предназначена для работы с числовыми данными.

Электронные таблицы позволяют создавать таблицы, в которых можно выполнять различные расчеты и анализировать данные. Они используются для создания бюджетов, планов продаж, инвентаризационных ведомостей, учета доходов и расходов и т.д. Электронные таблицы позволяют автоматически выполнять сложные расчеты, фильтровать данные, строить графики и диаграммы для наглядного представления информации.



CALLIGRA SHEETS



EXCEL



Whoa!

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

01

Introduction

Insert a subtitle here if you need it

01

Introduction

Insert a subtitle here if you need it



This is a graph

Jupiter

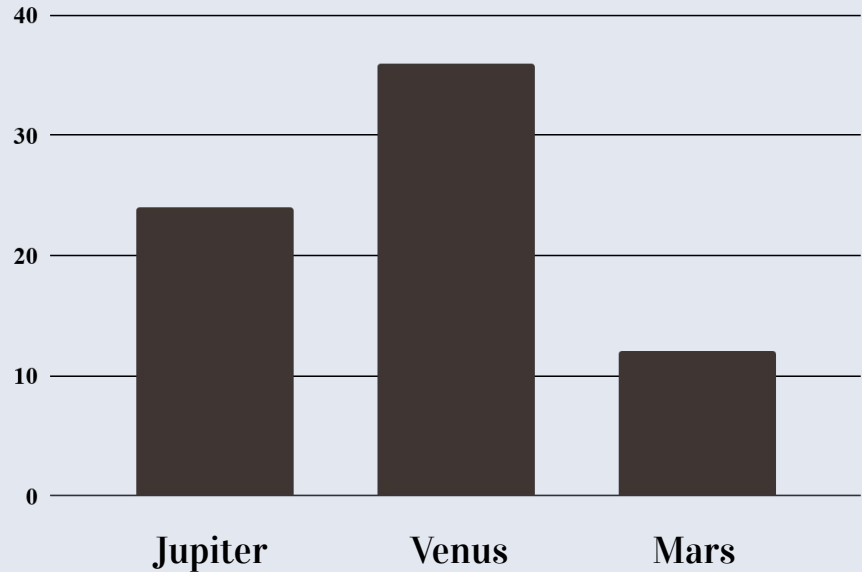
It's a gas giant and
the biggest planet

Venus

Venus has a
beautiful name

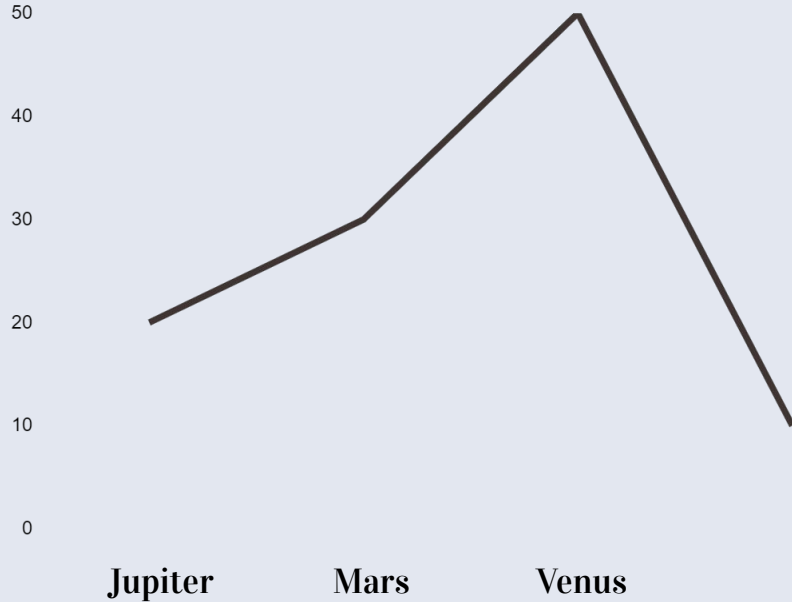
Mars

Mars is a cold place,
not hot



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

This is a graph



20% Mars

Mars is a cold place,
not hot

30% Jupiter

Jupiter is the
biggest planet

50% Venus

Venus has a
beautiful name

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

Maybe you need to divide the content



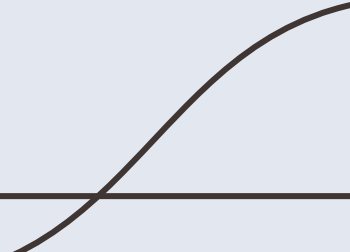
Mercury

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



Venus

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



Maybe you need to divide the content

Mercury

Mercury is the closest planet to the Sun

Venus

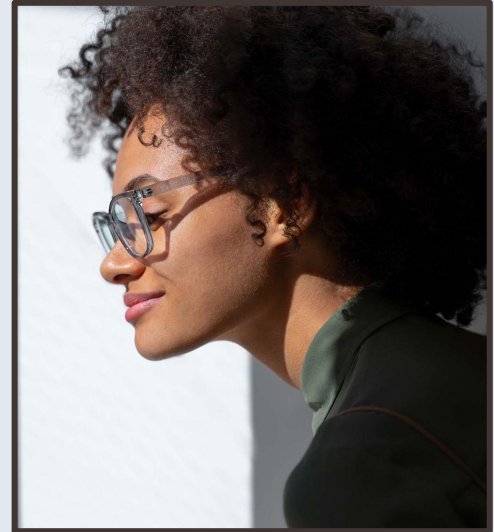
Venus has a beautiful name and it's hot

Jupiter

It's a gas giant and the biggest planet

Mars

Despite being red, Mars is actually a cold place



**A picture is worth a
thousand words**





**A picture is
worth a
thousand words**

145,245

Big numbers catch your audience's attention

795,321

Big numbers catch your audience's attention




Schedule

Phase 1 9:00 10:00 11:00 12:00

Task 1  

Task 2   

Phase 2

Task 1   

Task 2  

Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
08:15	Task 1	Meeting	Idea	Project	Test
10:20	Meeting	Idea	Task 3	Chat	Task 4
12:15	Proposal	Meeting	Meeting	Idea	Idea
14:30	Test	Task 2	Project	Test	Meeting



02

Company

Insert a subtitle here if
you need it

02

Company

Insert a subtitle here if
you need it

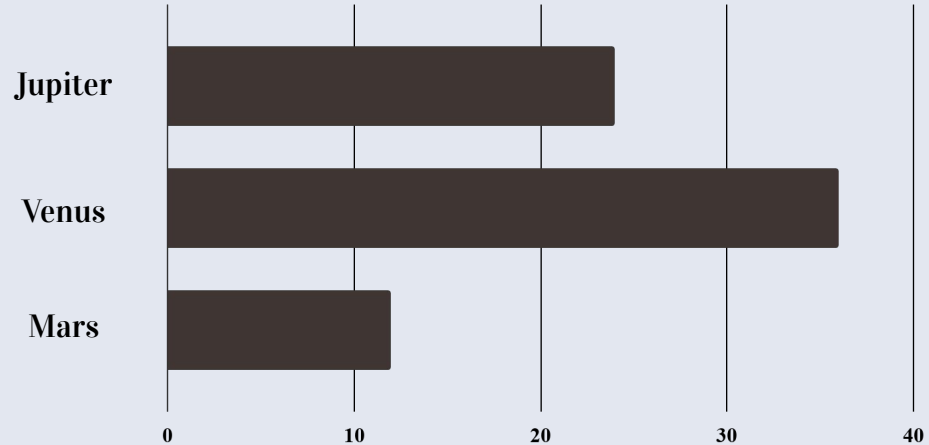


This is a graph

1,254 **Jupiter**
It's a gas giant and
the biggest planet

4,215 **Venus**
Venus has a
beautiful name

8,554 **Mars**
Mars is a cold place,
not hot



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

More graphs

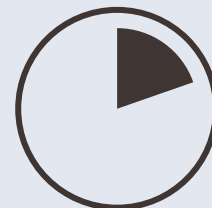


35% Jupiter

Jupiter is the
biggest planet

20% Mars

Mars is a cold place,
not hot

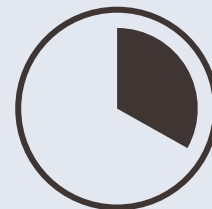


10% Venus

Venus has a
beautiful name

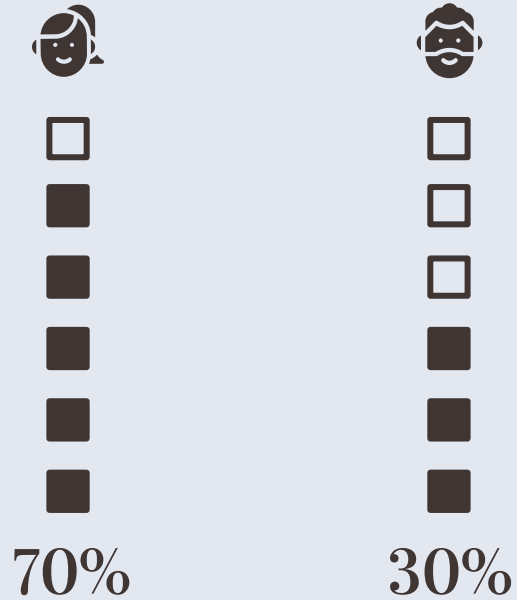
35% Mercury

Mercury is the
smallest planet

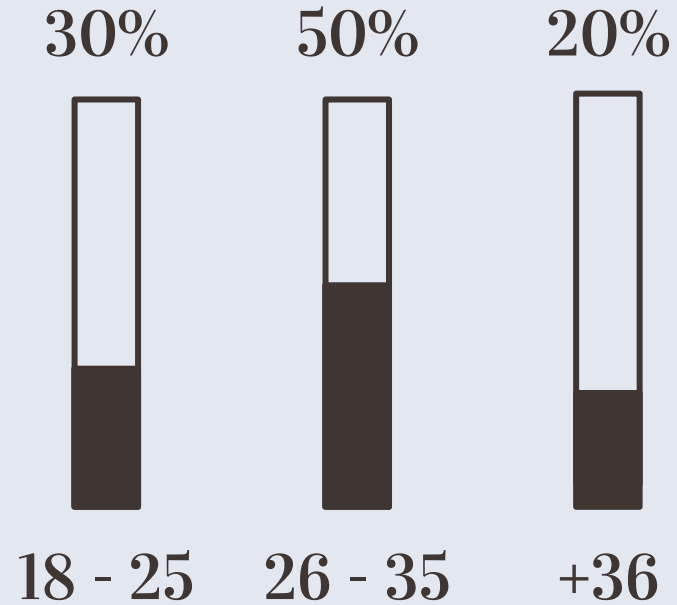


Target

Gender



Age



Target

Gender



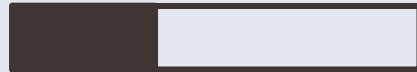
60%



Saturn is a gas giant and has rings



40%



Mercury is the closest planet to the Sun

Most sold products

- Write the best-selling products
- Write the best-selling products
- Write the best-selling products
- Write the best-selling products
- Write the best-selling products

Annual expenses

Avg. expense: \$5000

Age

25-38



39-50



A picture always reinforces the concept

Images reveal large amounts of data, so remember: use and image instead of long texts





A picture always reinforces the concept

Images reveal large amounts of data, so remember: use and image instead of long texts

Your can use three columns



Mars

Mars is actually a cold place. It's full of iron oxide dust



Venus

Venus is the second planet from the Sun. It's really hot



Mercury

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

You can use six columns



Mercury

It's the closest planet to the Sun



Venus

It's a planet with very high temperatures



Mars

Mars is actually a very cold place



Jupiter

Jupiter is the biggest planet of them all



Saturn

It's composed of hydrogen and helium



Neptune

It's the farthest planet from the Sun

This is a timeline

Jupiter

Jupiter is the
biggest planet

Mars

Mars is a cold
place, not hot

01 ——— 02 ——— 03 ——— 04

Mercury

Mercury is the
smallest planet

Neptune

Neptune is far
away from Earth

How the company generates income

Mercury

Mercury is a small planet



Mars

Mars is actually very cold



Saturn

Saturn is a gas giant with rings



Jupiter

Jupiter is the biggest planet



Neptune

Neptune is far away from Earth



This is a table

	Mars	Venus	Jupiter
Task 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Task 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Task 3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Task 4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

This is a table

	Task 1	Task 2	Task 3	Task 4
Description	Jupiter is the biggest planet	Mercury a small planet	Saturn has several rings	Neptune is far away from us
Year	2019	2020	2021	2022
Duration	Three months	Two weeks	Six months	Four months

Percentages

20% — 40% — 60%

Mars

Mars is actually a
cold place

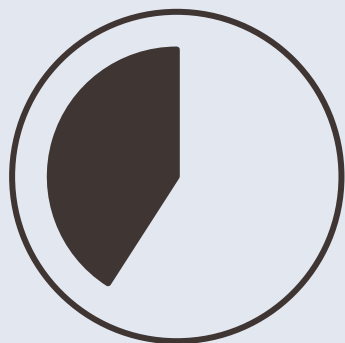
Venus

Venus has a
beautiful name

Mercury

Mercury is the
smallest planet

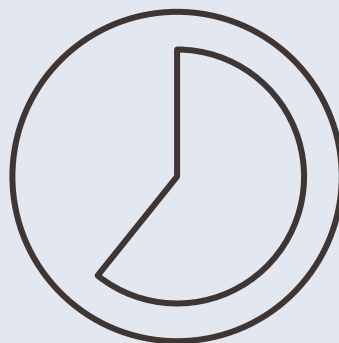
Percentages



40%

Mercury

Mercury is the
smallest planet



60%

Mars

Mars is actually a
very cold place

You can use six columns



Mars

Mars is actually a
cold place



Venus

Venus has a
beautiful name



Mercury

Mercury is the
smallest planet



Neptune

Neptune is far away
from Earth



Jupiter

Jupiter is the
biggest planet



Saturn

Saturn is a gas giant
with several rings

Competitors

Mars

Despite being red,
Mars is cold

Mercury

Mercury is the
smallest planet

Jupiter

Jupiter is the
biggest planet

Neptune

Neptune is far away
from Earth

Saturn

Saturn is a gas giant
with rings

Awesome words



Awesome words

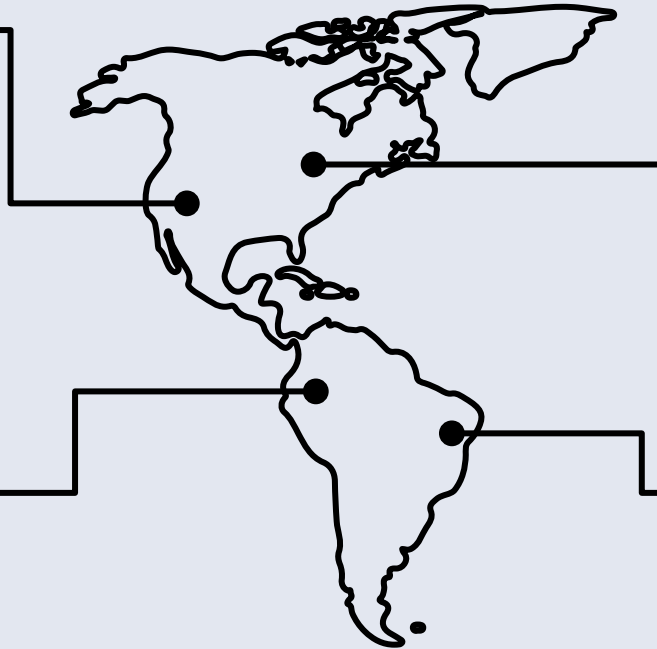
This is a map

Jupiter

It's a gas giant and
the biggest planet

Mars

Mars is a cold place,
not hot



Venus

Venus has a
beautiful name

Mercury

Mercury is the
smallest planet

This is a map



Jupiter

Jupiter is the biggest planet



Mars

Mars is a cold place, not hot



Venus

Venus has a beautiful name



Mercury

Mercury is the smallest planet



You can use four columns



Mars

Mars is actually a
cold place



Venus

Venus has a
beautiful name



Neptune

It's the farthest
planet from the Sun



Jupiter

Jupiter is the
biggest planet

You can use three columns

01

Neptune

Neptune is far away
from Earth

02

Mars

Mars is actually a
cold place

03

Jupiter

Jupiter is the
biggest planet

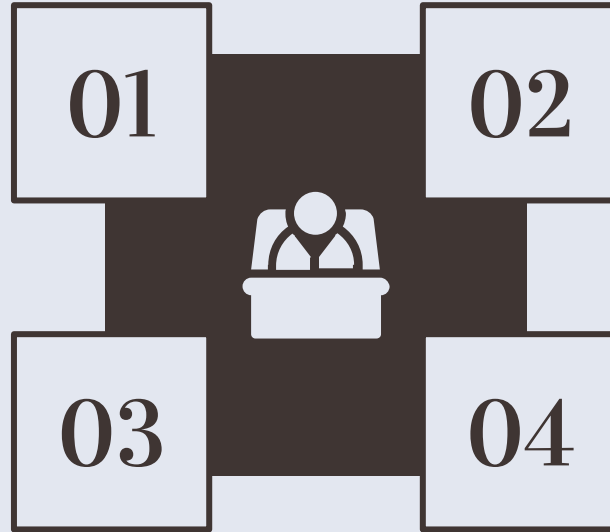
This is an infographic

Mars

Mars is a cold place, not hot

Jupiter

Jupiter is the biggest planet



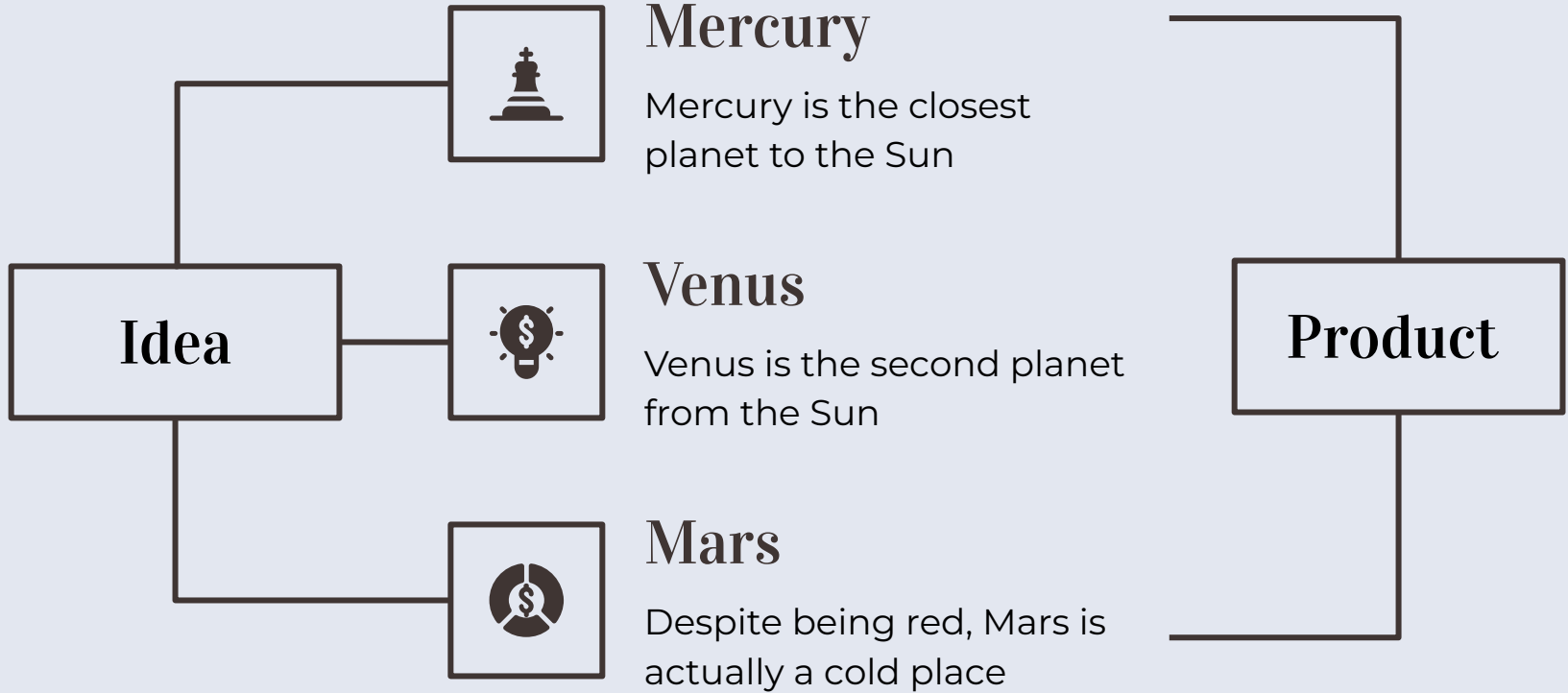
Venus

Venus has a beautiful name

Saturn

Saturn is a gas giant with rings

This is an infographic



Monthly data

125K

January

Mars is actually a
cold place

250K

June

Venus has a
beautiful name

540K

November

Mercury is the
smallest planet

Percentages

25%

Venus

Venus has a beautiful name and it's very hot

20%

Jupiter

Jupiter is the biggest planet of them all

40%

Mars

Despite being red, Mars is actually a cold place

15%

Neptune

It's the farthest planet from the Sun

Our goals



Mars

Mars is actually a cold place

Venus

Venus has a beautiful name



Neptune

It's the farthest planet from the Sun

Jupiter

Jupiter is the biggest planet



Our goals

Neptune

It's the farthest planet from the Sun

Venus

Venus has a beautiful name

Jupiter

Jupiter is the biggest planet



Statistics

	Phase 1	Phase 2	Phase 3
Mercury	1,254	9,145	8,145
Mars	5,214	6,541	3,214
Saturn	3,418	3,214	5,415

Statistics

	2019	2020	2021	2022
Avg. spen	\$15,225	\$40,000	\$45,000	\$65,000
Description	Mercury is very small	Venus has a nice name	Jupiter is the biggest planet	Mars is a cold place, not hot
Customers	12,000	20,000	19,000	40,000

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

354

Mars

Despite being red, Mars is actually a cold place

789

Mercury

Mercury is the smallest planet of them all

912

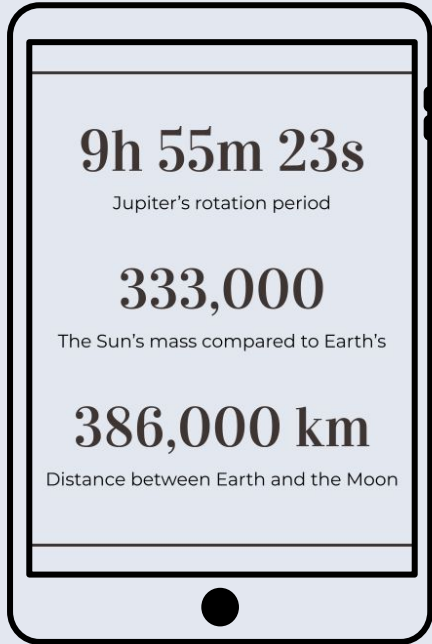
Neptune

Neptune is the farthest planet from the Sun

Desktop mockup

You can replace the image on the screen with your own work



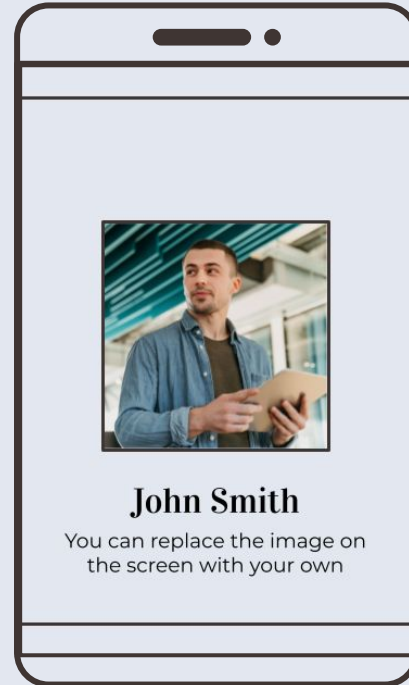


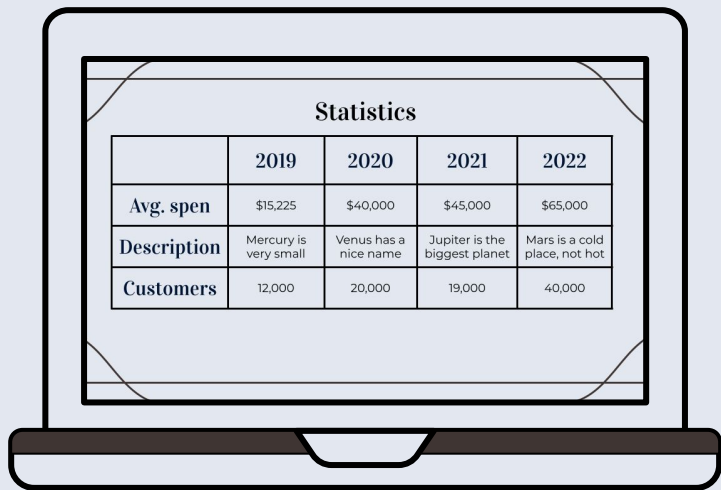
Tablet app

You can replace the image on the screen with your own work

Mobile web

You can replace the image on the screen with your own work

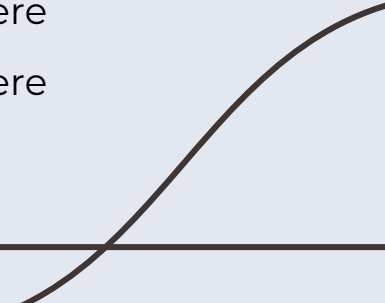




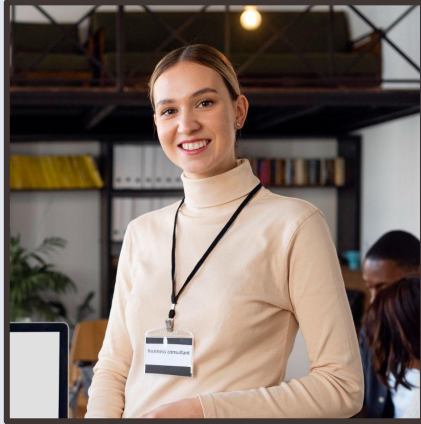
Laptop mockup

You can replace the image on the screen with your own work

List of references

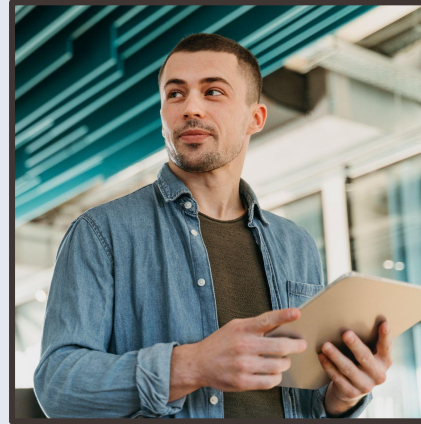
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- 

Our team



Jenna Doe

You can replace the image on the screen with your own



John Smith

You can replace the image on the screen with your own

Our team



Dalila Roge

You can replace the image on the screen with your own



Joe Smith

You can replace the image on the screen with your own



Janice Clarke

You can replace the image on the screen with your own

Thanks

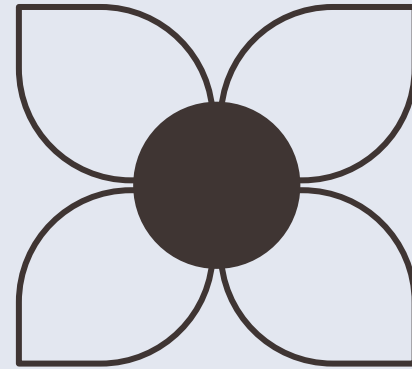
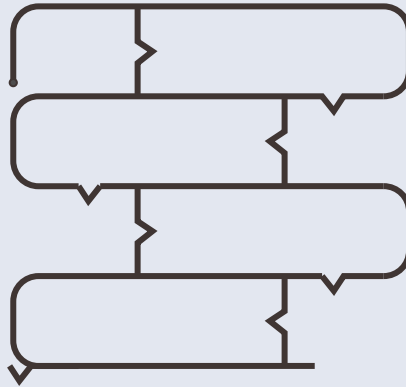
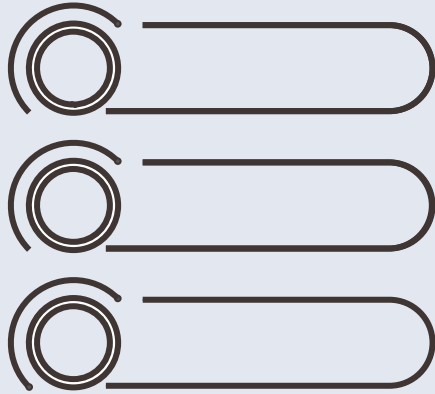
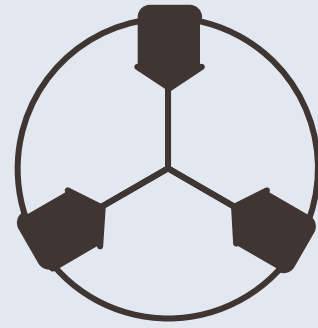
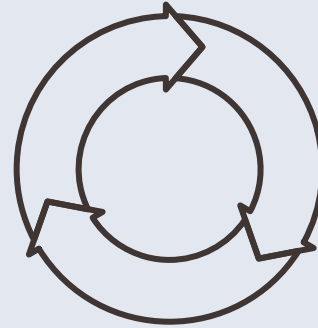
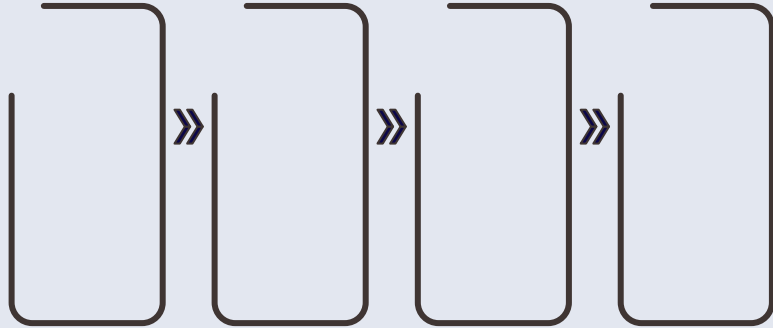
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+91 620 421 838
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Alternative infographics elements



Alternative resources

Photos

- People in business meeting high angle
 - Front view of people meeting over a cup of coffee
 - Businessman at office with laptop
 - Smiley redhead business woman working
 - Business women talking while looking
 - Medium shot smiley business woman
-

Alternative resources

Photos

- Smiling young woman working at laptop in office
 - Medium shot woman with box
 - Medium shot business people with devices
 - Startups entrepreneurs discussing strategies
 - Close up business people at tablet
 - Man and woman discussing a new project
 - Business people discussing a new project
-

Alternative resources

Photos

- Coworkers discussing a new project together
- Smiley man holding project documents
- Businessman respecting safety measures at the office
- Young man using laptop with coffee cup

Icons

- Business Icon Pack
-

Resources

Photos

- Business people doing their job
 - People having a meeting in the office
 - Low angle businessman
 - Women working together on a project
 - Young businesswoman posing with copy
 - Smiley woman at business meeting
-

Resources

Photos

- Low angle womens team meeting
 - Close up on company employee smiling
 - Close up on young businesswoman
 - Low angle womens team meeting I
 - Blond woman sitting back and smiling with closed eyes at workplace
 - Brunette businesswoman posing
-

Resources

Photos

- Business people working on a new project together
 - Business man and woman working together
 - Business team working together in the office with laptop
 - Front view business woman at office
-

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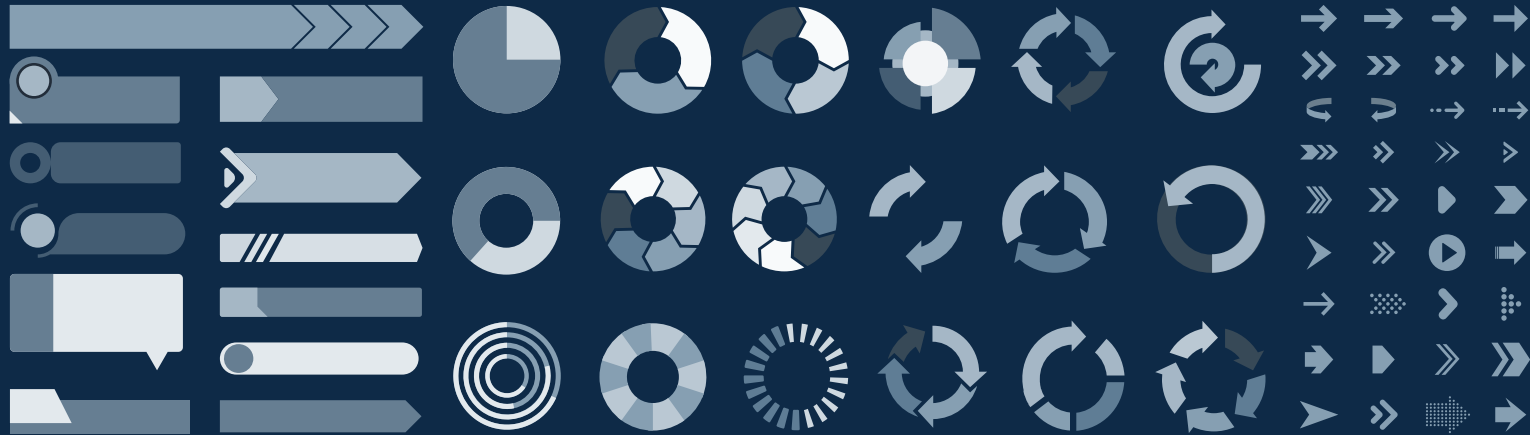


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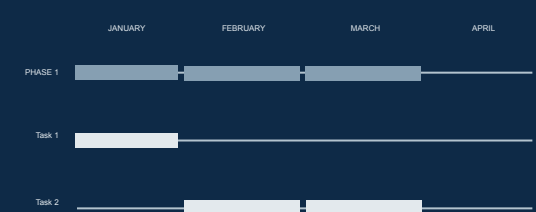
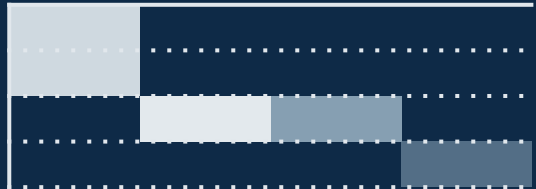
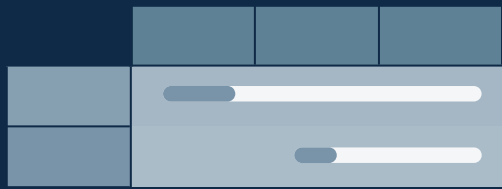
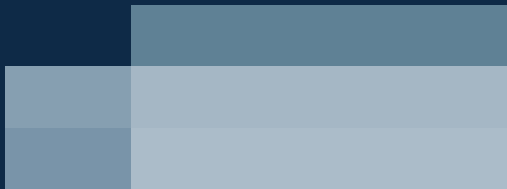
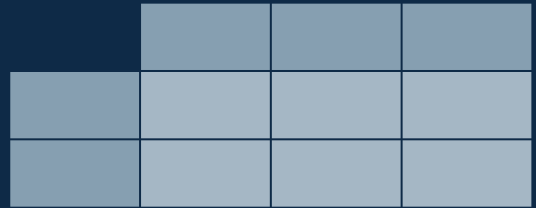
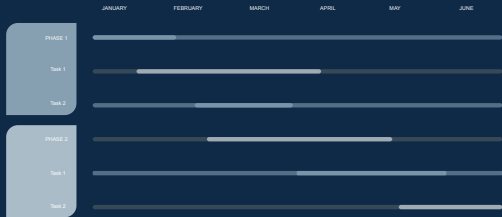
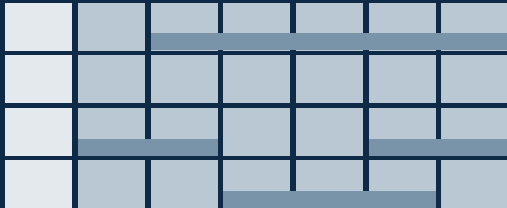
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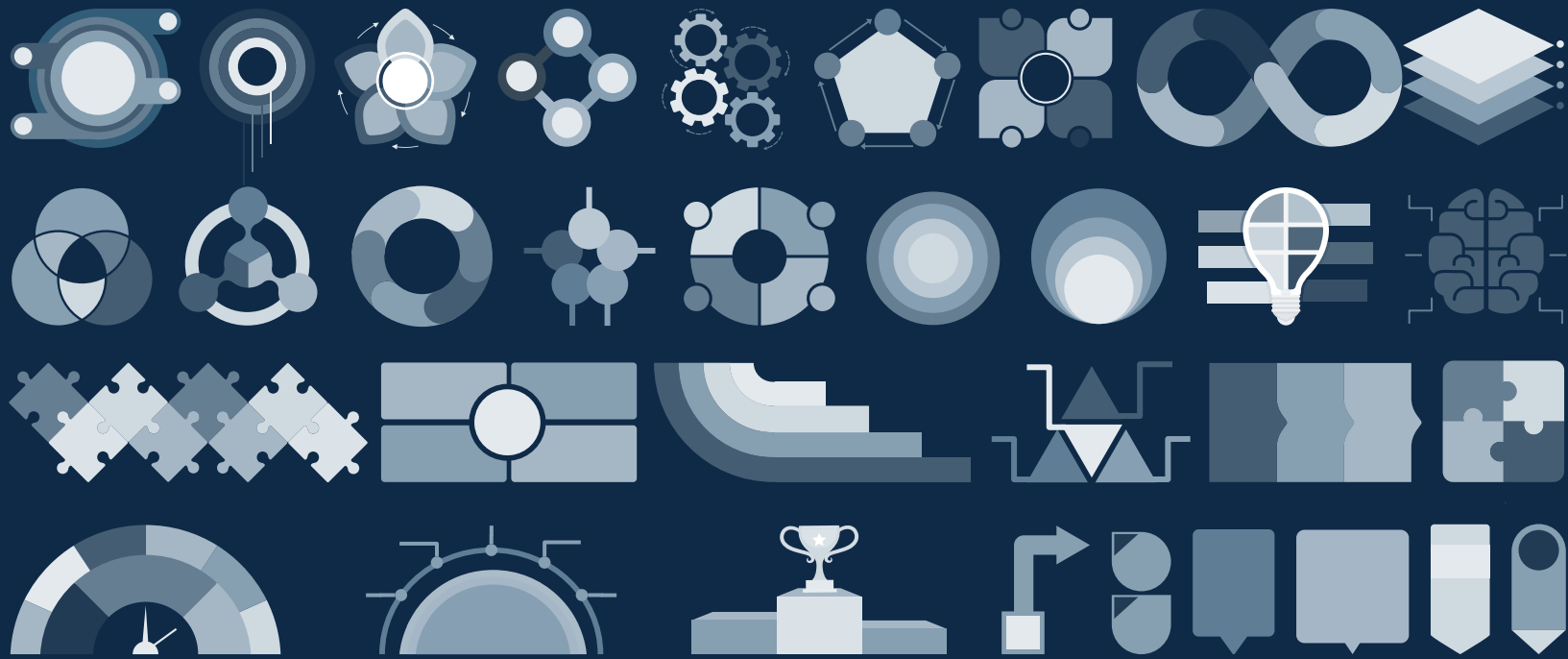
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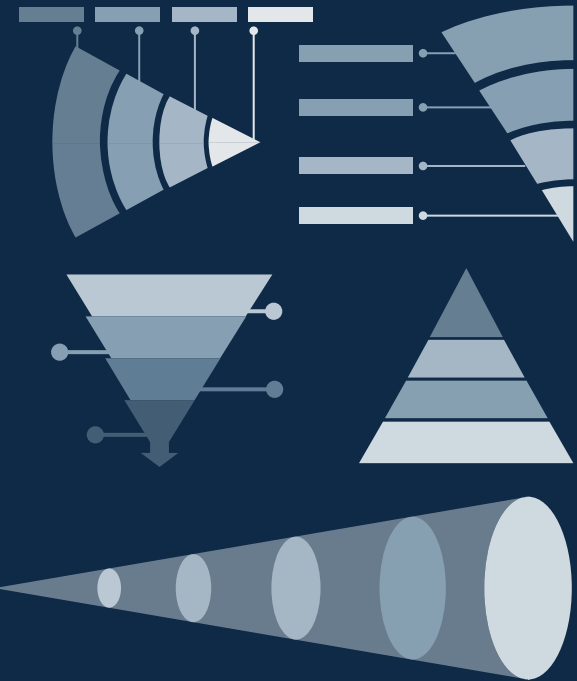
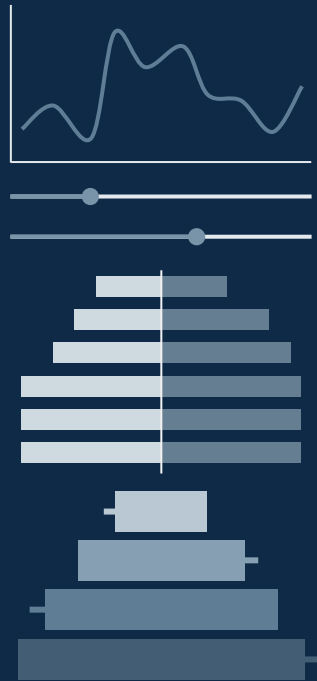
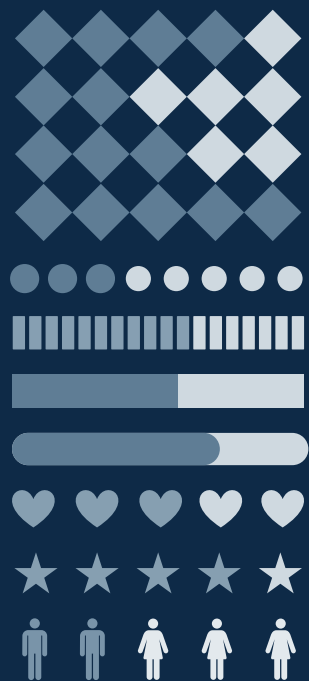
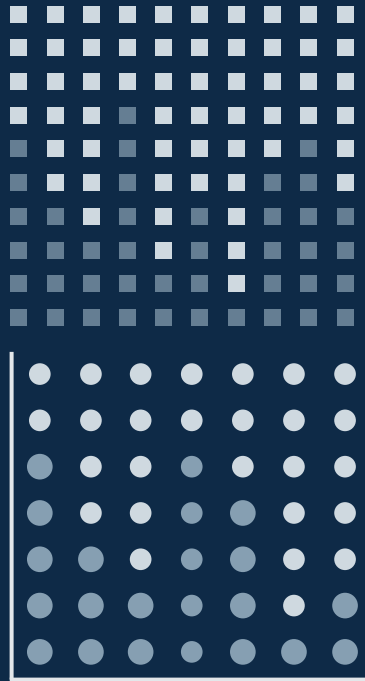
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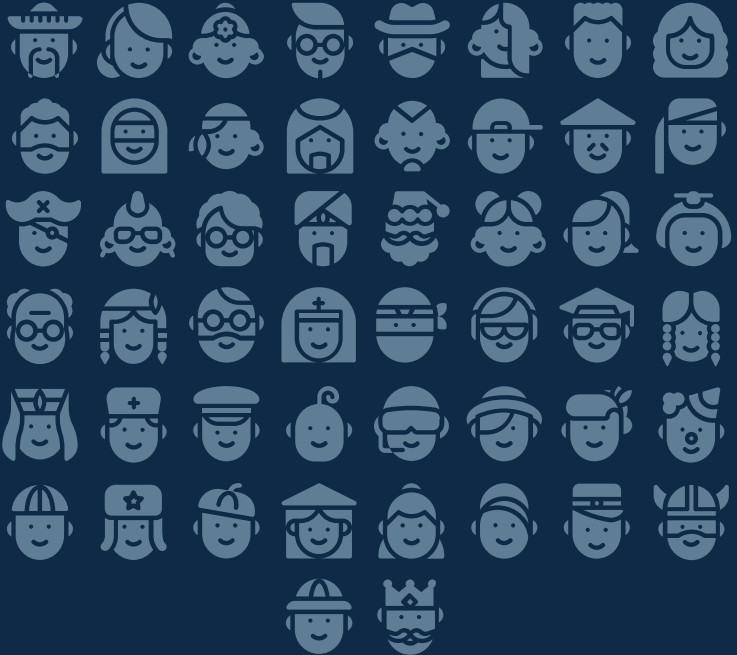
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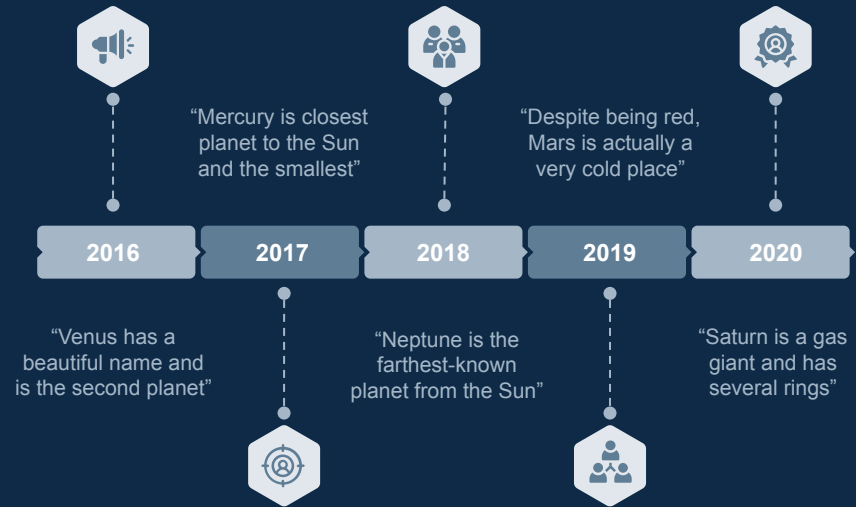
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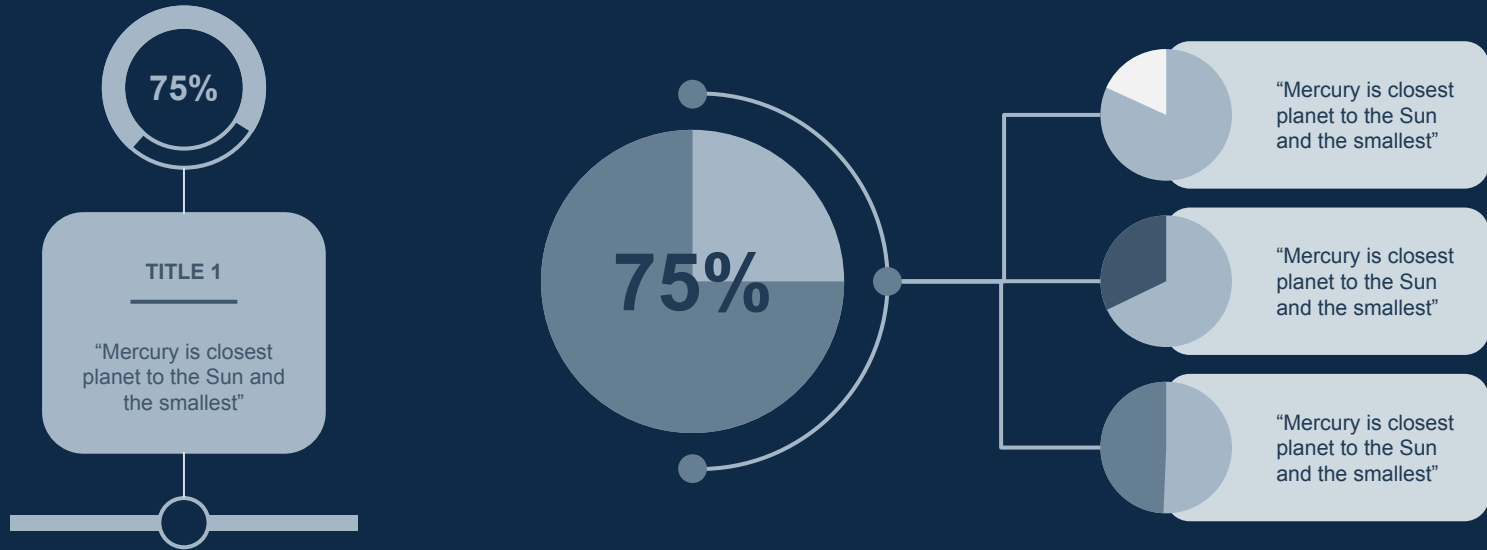
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