

Milestone

1

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What is wrong with it

Visualisation

01

From: **John Hopkins University**

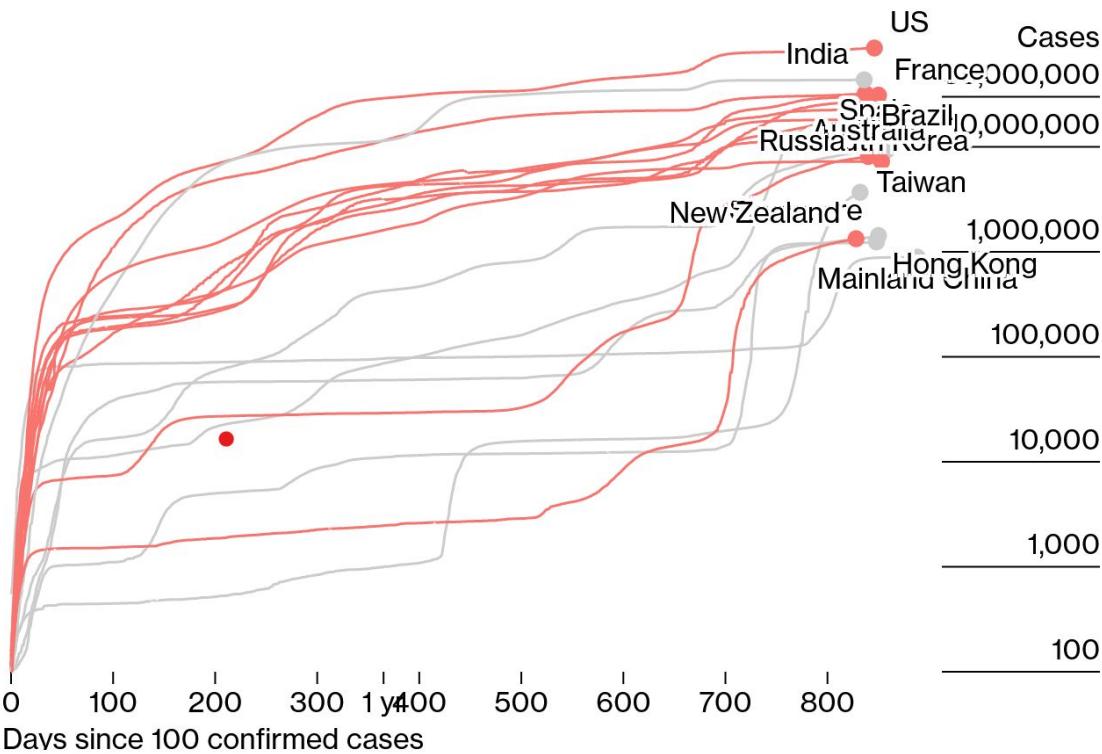


Getting to a Flatter Curve ↘

The first 894 days with more than 100 confirmed cases

Show deaths ↗

Asia Other

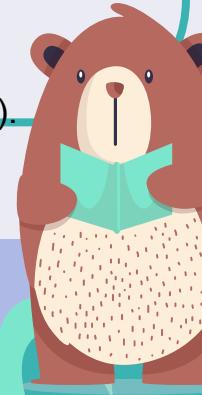


Graph Author (Source):

- Johns Hopkins University Center for Systems Science and Engineering.

About Graph:

- Multi-Line Graph of No. of COVID Cases from Day 0 to 800 After Reaching the 100th COVID Confirmed Case Mark (per Country).
- Days (X-Axis).
- No. of Cases (Y-Axis).
- Color of Lines:
 - Grey (for Asia Countries).
 - Red (for Non-Asia Countries).



URL: <https://www.bloomberg.com/graphics/2020-coronavirus-cases-world-map/#voronoi-container>

Critique

(John Hopkins University)



Data



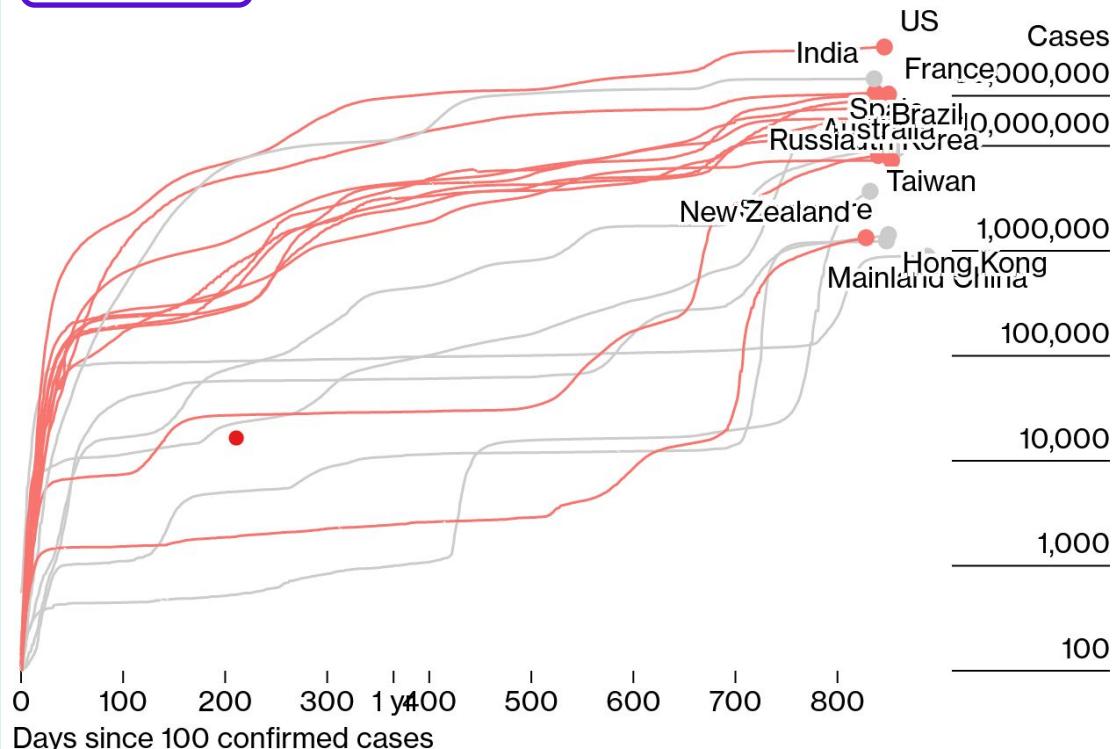
- The Author used **Red** (Color) for Non-Asian and **Grey** for 'Other' Non-Asian Countries within the Legend:
 - However, Red tends to be associated to Countries in Asia.
 - Also, the word 'Other' may be Confusing to Some Viewers, where Some Back-Tracing is Needed to Realize that Apart from Asia, the 'Other' refers to Non-Asian Countries.

Getting to a Flatter Curve ↘

The first 894 days with more than 100 confirmed cases

Show deaths ↗

Asia Other



Idiom



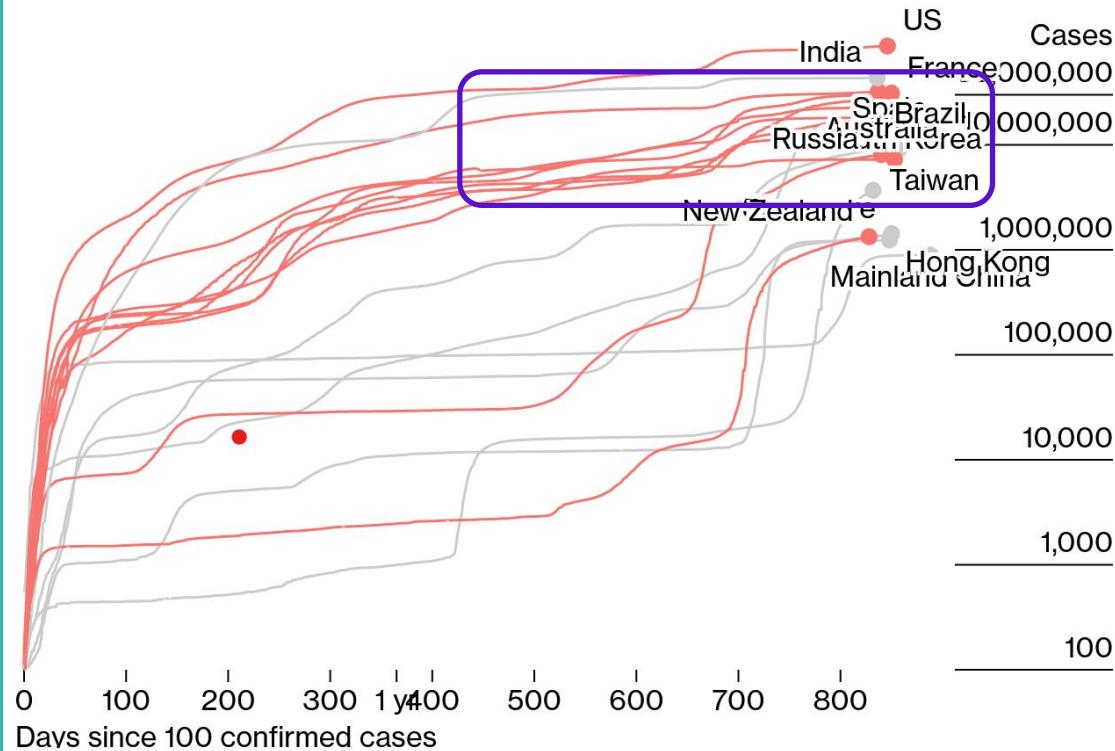
- The Authors Wanted to Visually Compare Each Country's COVID Cases Against the Other Ones (Asia and Non-Asia/Others), thus a Multi-Line Graph was Used.
 - However, Due to the Unproportionate 'Cases' Scale, Some Countries nearing the 10,000,000 and 100,000,000 Marks, on a Given No. Of Days, Results in Noticeable Overlaps of Lines/Country-Labels that Could Cause Confusion to the Viewer(s) as to which of Those Represents which Country.

Getting to a Flatter Curve ↘

The first 894 days with more than 100 confirmed cases

Show deaths ↗

Asia Other



Idiom



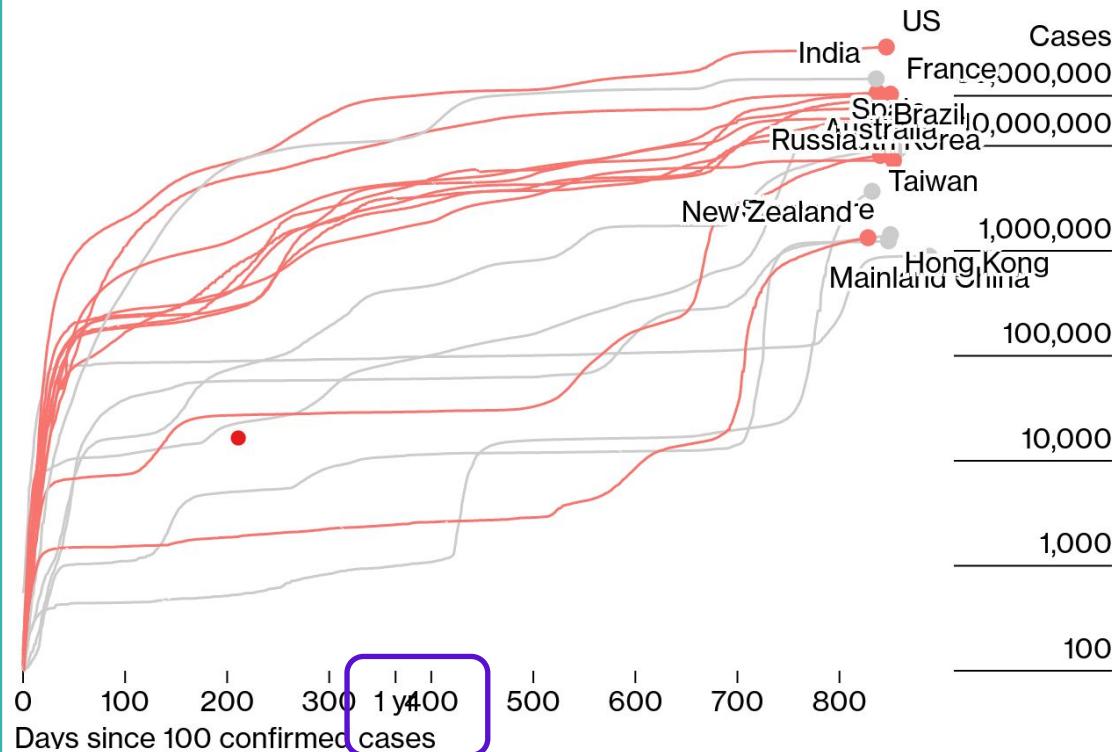
- The Authors Wanted to Visually Compare Each Country's COVID Cases Against the Other Ones (Asia and Non-Asia/Others), thus a Multi-Line Graph was Used.
 - Also, the X-Axis' '1 yr' Mark is Overlapping the '400' Day Mark, Making it More Inconvenient to Review the Respective (Country) Line's Day Mark on the X-Axis.

Getting to a Flatter Curve ↘

The first 894 days with more than 100 confirmed cases

Show deaths

Asia Other



Task



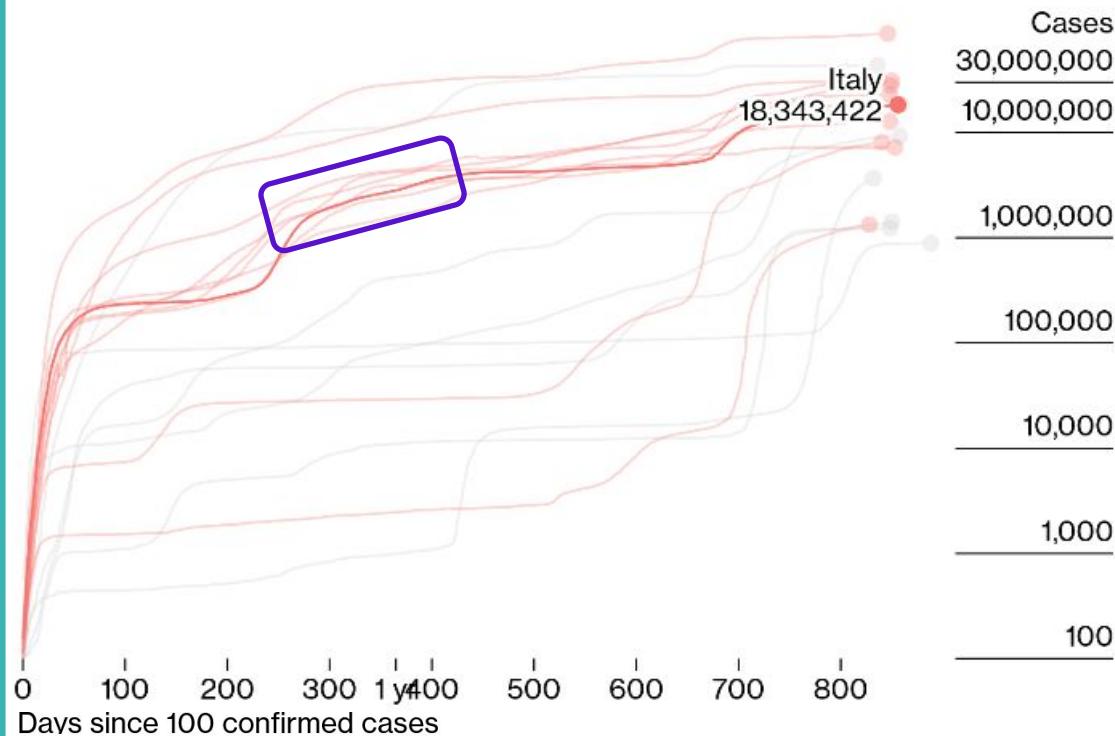
- The Authors Have also Implemented a Mouse Hover-Over Feature to Highlight the preferred Country in which the Viewer would Like to Focus On.
 - Despite this, due to the Extreme Closeness Between the Overlapping of (Country) Lines, Users With Mobility/Varying Impairments (e.g. Hand Tremors, Larger Fingers) and/or Utilizes this Feature in Differing Environments (e.g. On Public Transportation, On Their Device Using One-Hand) Would Be Affected to a Large Extent.

Getting to a Flatter Curve ↘

The first 894 days with more than 100 confirmed cases

Show deaths

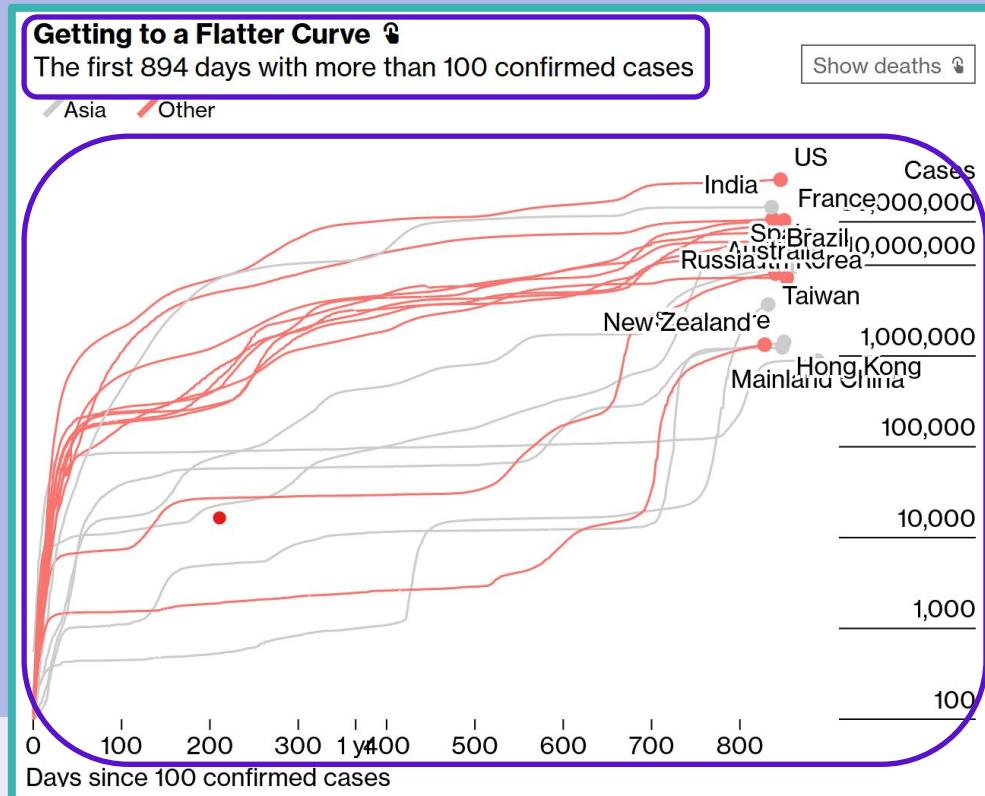
Asia Other



Task

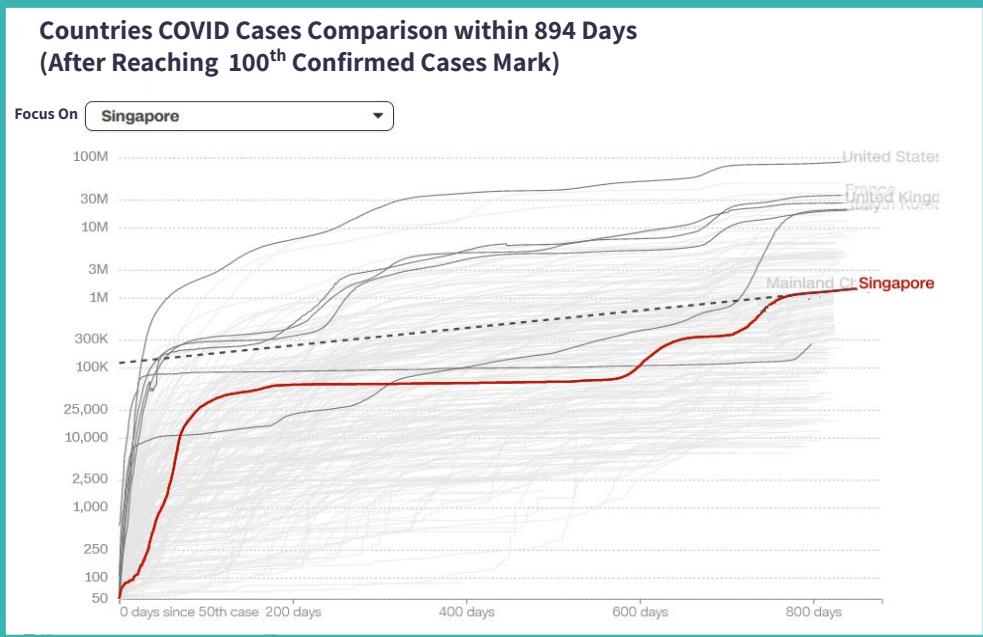


- The Authors Added a Main Title for the Graph as '**Getting to a Flatter Curve**' with a Sub-Title of 'The first 894 days with more than 100 confirmed cases'.
 - However, the Main Title had a slightly bigger Font Size and a Bold Text Style, it was assumed that it would be related to the Sub-Title and the Graph, which is not true in this instance, making it confusing to the Viewer.
 - Also, the Main Title is Not Descriptive Enough in conveying what was Meant by 'Getting to a Flatter Curve' with respect to the Graph.



Solution

- Remove the Legend (with 'Asia' / 'Other' Variables).
- Remove the '1 yr' Mark from the Days Scale (X-Axis).
- Add a DropDown List, Containing the List of Countries with More Than 100 Confirmed Cases, such that on Selecting a Country within it, that Country (Line) will be Highlighted in **Red**, on the Graph, while the Remaining Ones are **Greyed Out**.
- Allow the No. of Cases (Y-Axis) to Scale Proportionally.

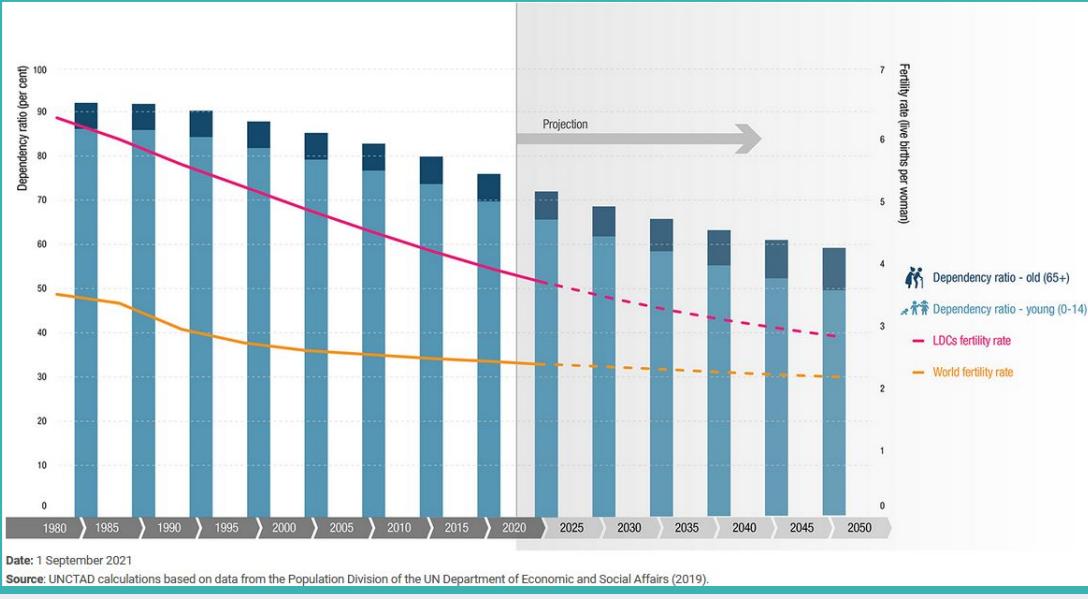


Visualisation

02

From: **UNCTAD**



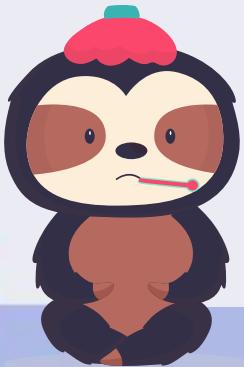


Graph Author (Source):

- United Nations Conference on Trade and Development (UNCTAD)

About Graph:

- Calculations Based On Data From the Population Division of the UN Department of Economic and Social Affairs .
- Stacked-Bar and Multi-Line Graph from **Historical** Year 1980 to 2020 and **Projected** Year 2020 to 2050.
- Year (X-Axis)
- Dependency-Ratio / Fertility-Rate (Y-Axis)
- Colors:
 - Bar: Light Blue** (for Age 0 to 14 Dependency Rate).
 - Bar: Dark Blue** (for Dependency Rates of Age 65 Onwards).
 - Line: Orange** (for **World** Fertility Rate).
 - Line: Pink** (for **LDC's** Fertility Rate).



URL: <https://unctad.org/topic/least-developed-countries/chart-september-2021>

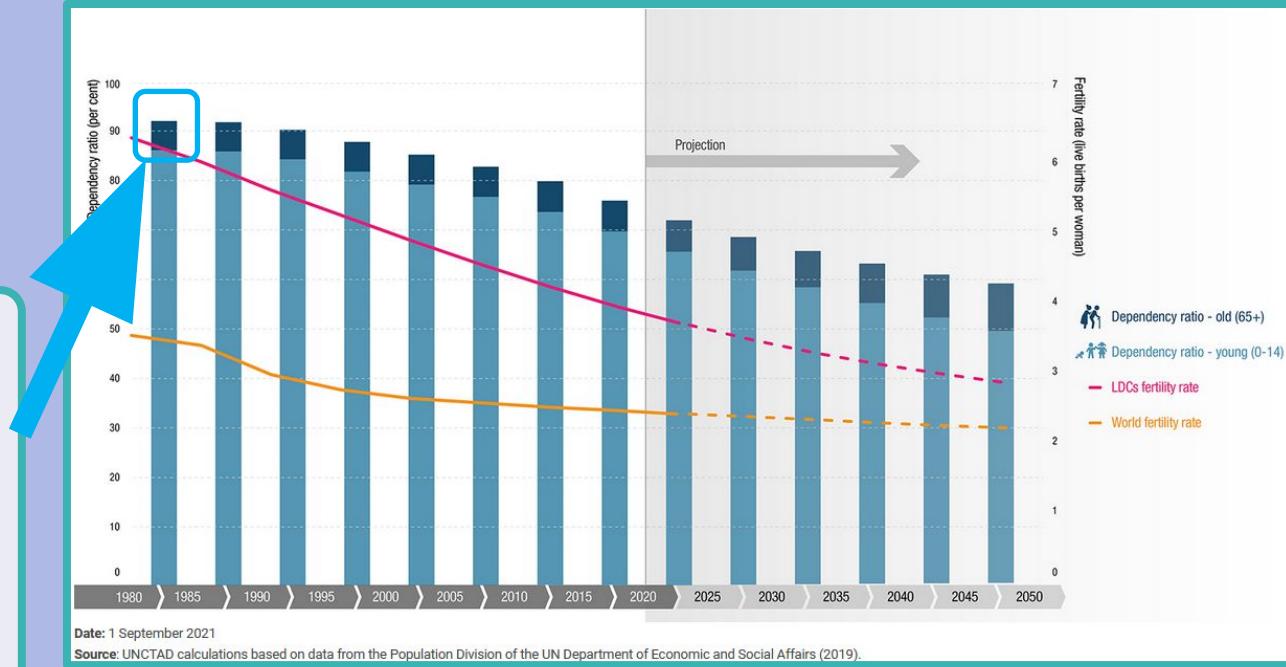
Critique (UNCTAD)



Data



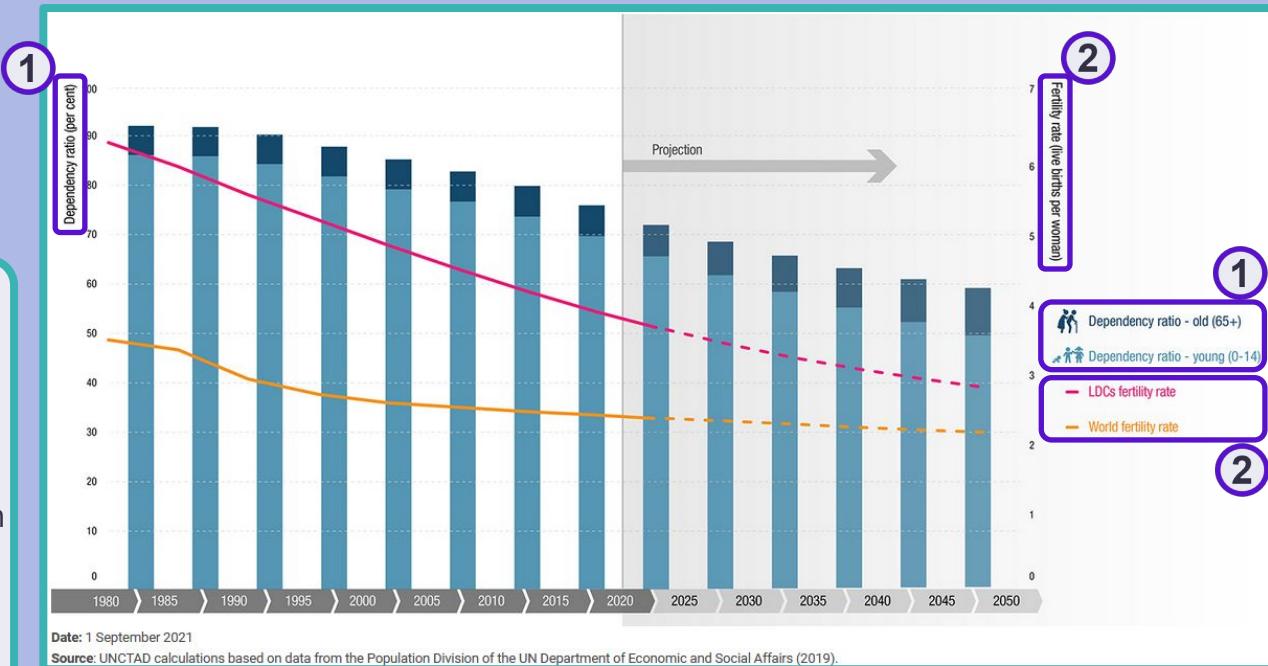
- With the Use of Stacked-Bar Charts
 - Some Viewers May be Required to Move-Closer/Zoom-In on the Smaller (Valued) Stacked **Dark Blue Bar** and Mentally Calculate its Estimated Dependency Ratio.



Idiom



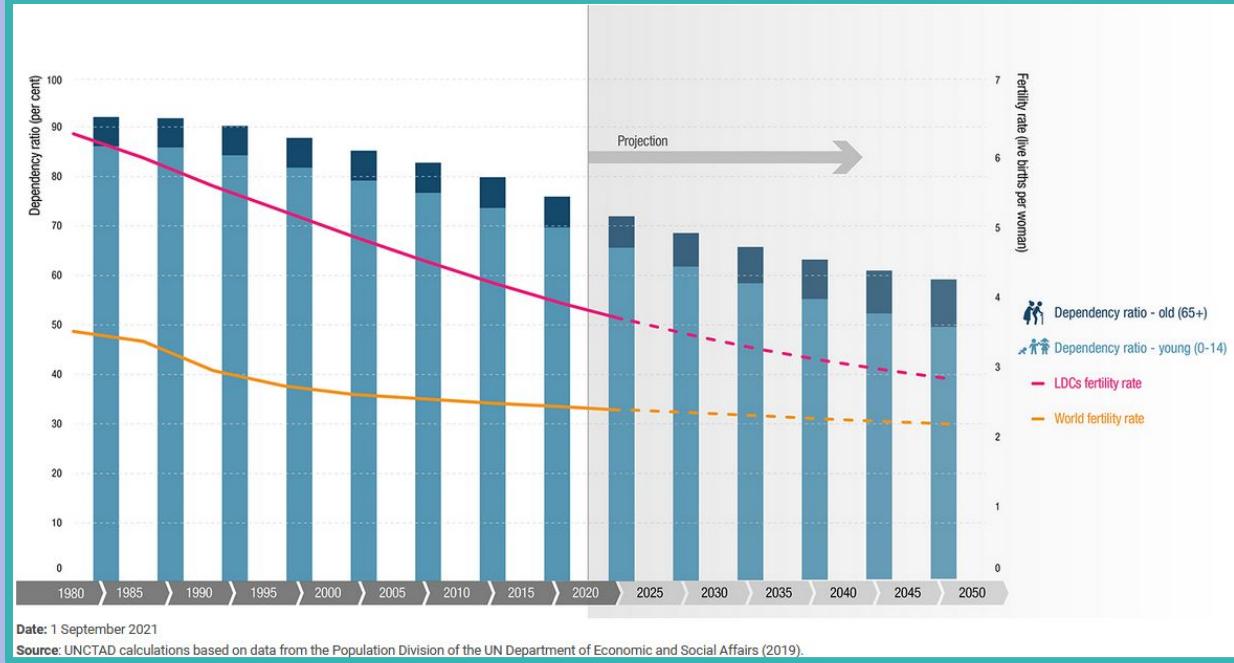
- The Author used two Y-Axis:
(Left-Side) Dependency Ratio
(Right-Side) Fertility Rate
- ① to refer to the Correlation between the
- ② Dependency and Fertility Rates/Ratios,
thus a Stacked-Bar and Multi-Line Graph was Used.
- However, Some Viewers May be confused by which Side of the Y-Axis (Left/Right) should the Bar(s)/Line(s) be referred to.



Task

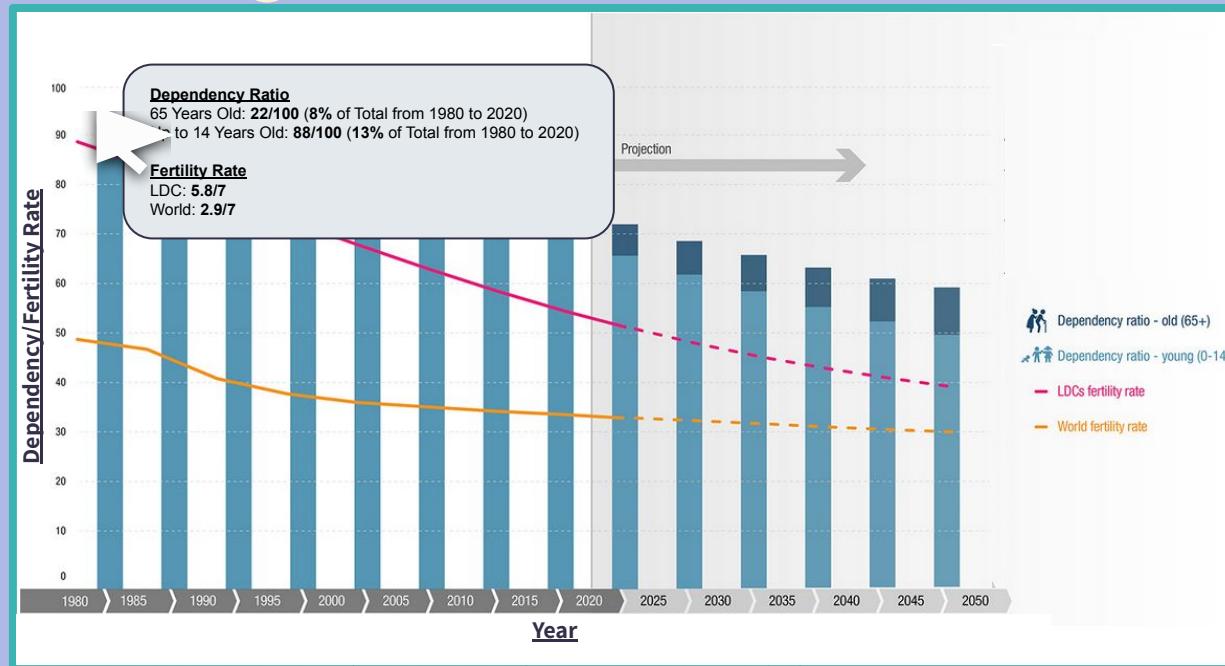


- Being a Static Graph, there are No Options to Further Analyse the Graph's Properties (e.g. Hover-Over, Selection).



Solution

- Add a Mouse Hover-Over ToolTip, that would Display a Pop-up Containing the Dependency Ratios and Fertility Rates.
- Merge the 2 Y-Axis into 1 Y-Axis Scale, Where the Fertility Rate is Automatically Transformed (*from a Total of 7 to Total of 100*)
- Reform the X and Y Axis to Reflect the Relevant Changes Above (with the Inclusion of the Y-Axis' Label 'Year')



Thank you



QnA!



TRANSMISSION



ANIMALS

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



HUMANS

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



TRANSMISSION TIMELINE



VIRUS

Despite being red,
Mars is a cold place



HUMANS

Jupiter is the biggest
planet

1

2

3

4

ANIMALS

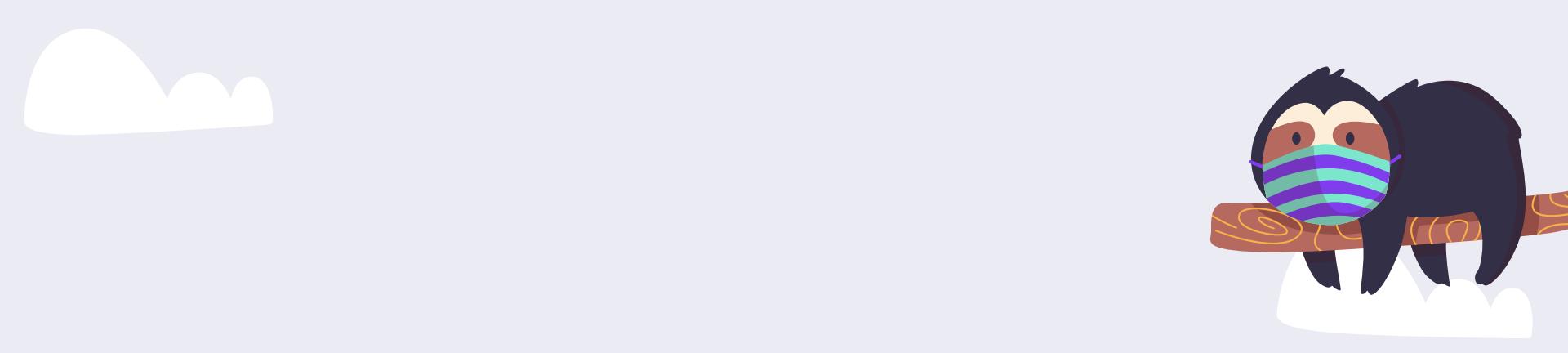
Mercury is the
smallest planet



INFECTION

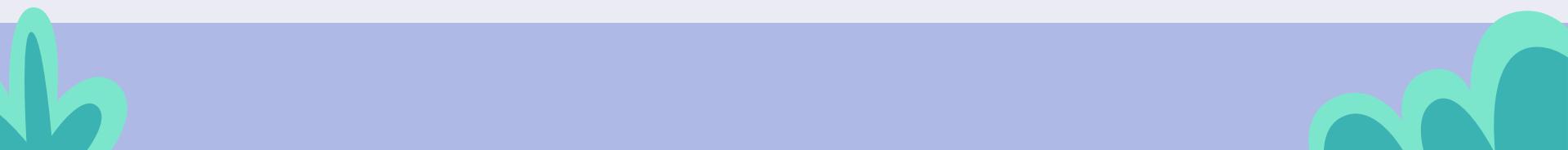
Neptune is very far
from the Sun





4,498,300,000

Big numbers catch your audience's attention





QnA!

AND HERE COMES THE SLIDE TITLE!

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



Thank you





“This is a quote. Words full of wisdom that someone important said and can make the reader get inspired.”

-SOMEONE FAMOUS

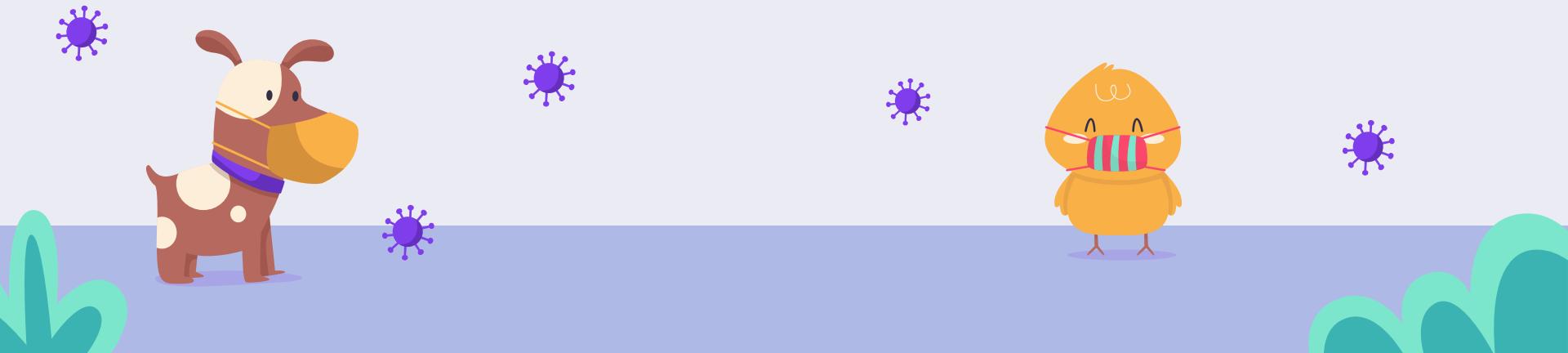


23,57K

Mercury is the closest
planet to the Sun

56,67M

Jupiter is the biggest
planet in our Solar System



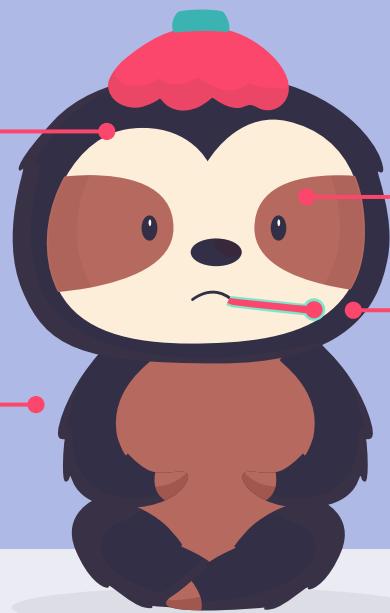
SYMPTOMS INFOGRAPHIC

HEADACHE

Mercury is the
smallest planet

ACHES

Venus has a
beautiful name



TIREDNESS

Neptune is very
far from the Sun

FEVER

Jupiter is the
biggest planet





03.

PREVENTION

Insert a subtitle here, if you
need it

**A PICTURE
IS WORTH A
THOUSAND
WORDS**



PREVENTION



MASK

Mercury is the closest planet to the Sun



DISTANCE

Venus is the second planet from the Sun



DISINFECTION

Despite being red, Mars is a cold place



GLOVES

Jupiter is the biggest planet of them all



HANDWASHING

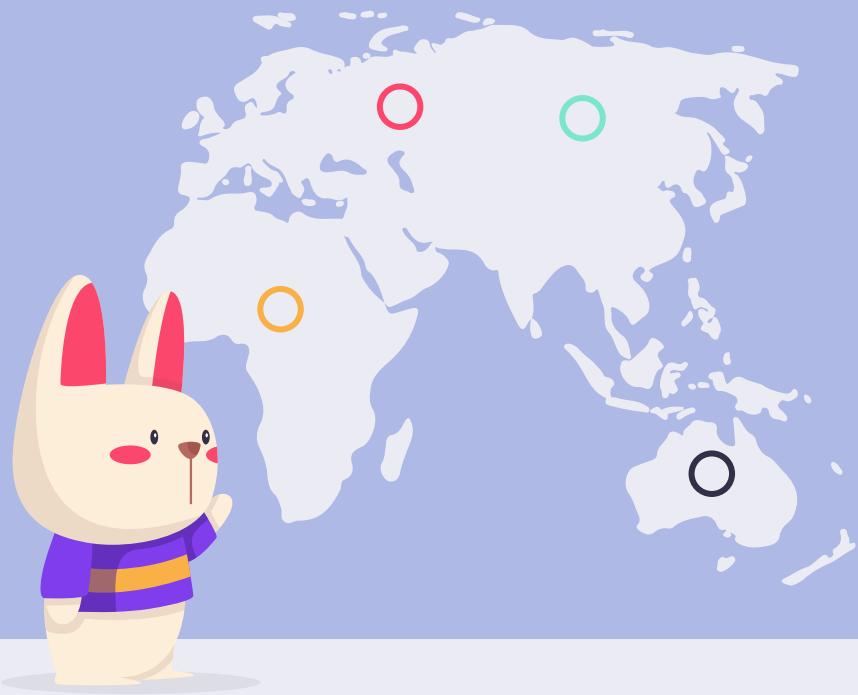
Saturn is the ringed one and a gas giant



STAY HOME

Neptune is the farthest planet from the Sun

THIS IS A MAP



MERCURY

Mercury is the smallest planet



NEPTUNE

Neptune is very far from the Sun



VENUS

Venus has a beautiful name



JUPITER

Jupiter is the biggest planet



A PICTURE ALWAYS REINFORCES THE CONCEPT

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



04.

TREATMENTS

Insert a subtitle here, if you need it



A TABLE

MERCURY	VENUS	JUPITER	SATURN
0,06	0,38	0,38	0,12
0,11	0,53	0,36	0,03
95,2	9,40	1,16	9,40



SELF CARE

SELF CARE 1

- Describe what to do here

SELF CARE 2

- Describe what to do here



TREATMENTS

WATER



Venus has a beautiful name, but it's terribly hot

MEDICINES



Neptune is the farthest planet from the Sun

SLEEP

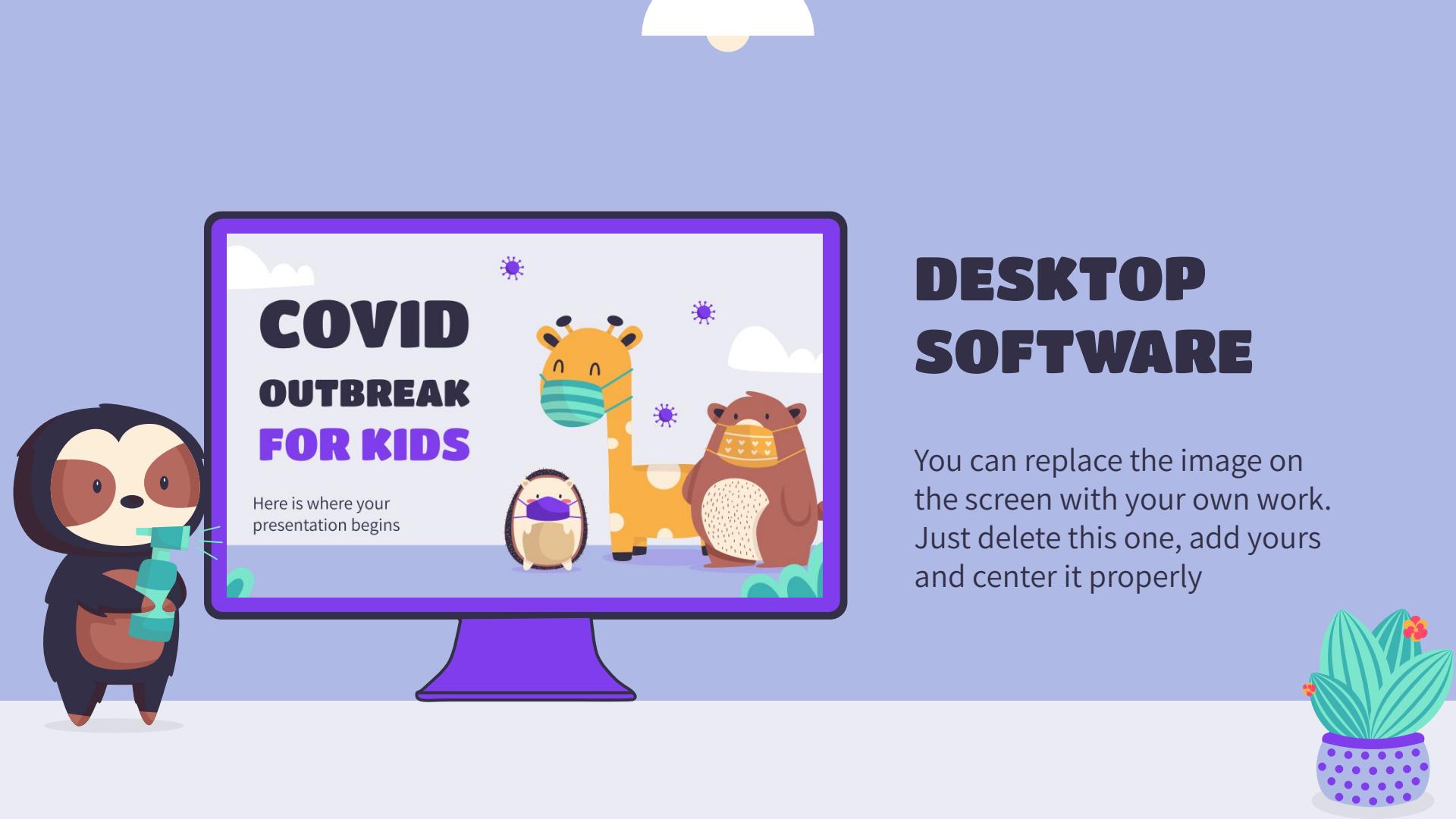


Despite being red, Mars is a very cold place

NUTRITION



Jupiter is the biggest planet of them all

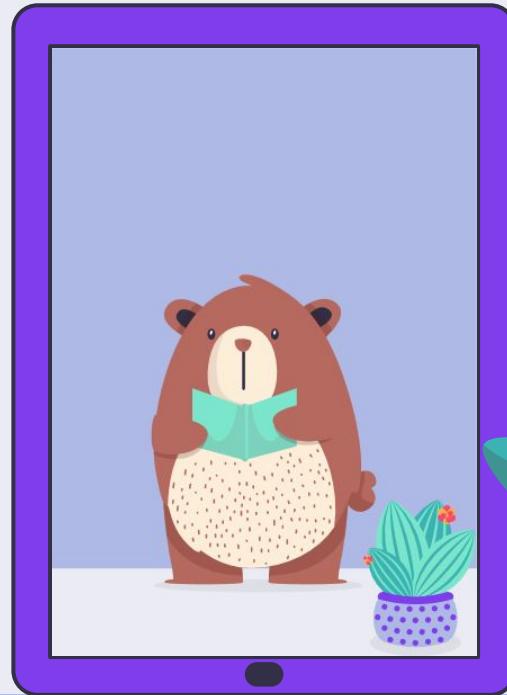


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OUR TEAM



Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's only a bit larger than our Moon. The planet's name has nothing to do with the liquid metal

THANKS!



Do you have any questions?

youremail@freepik.com

+91 620 421 838

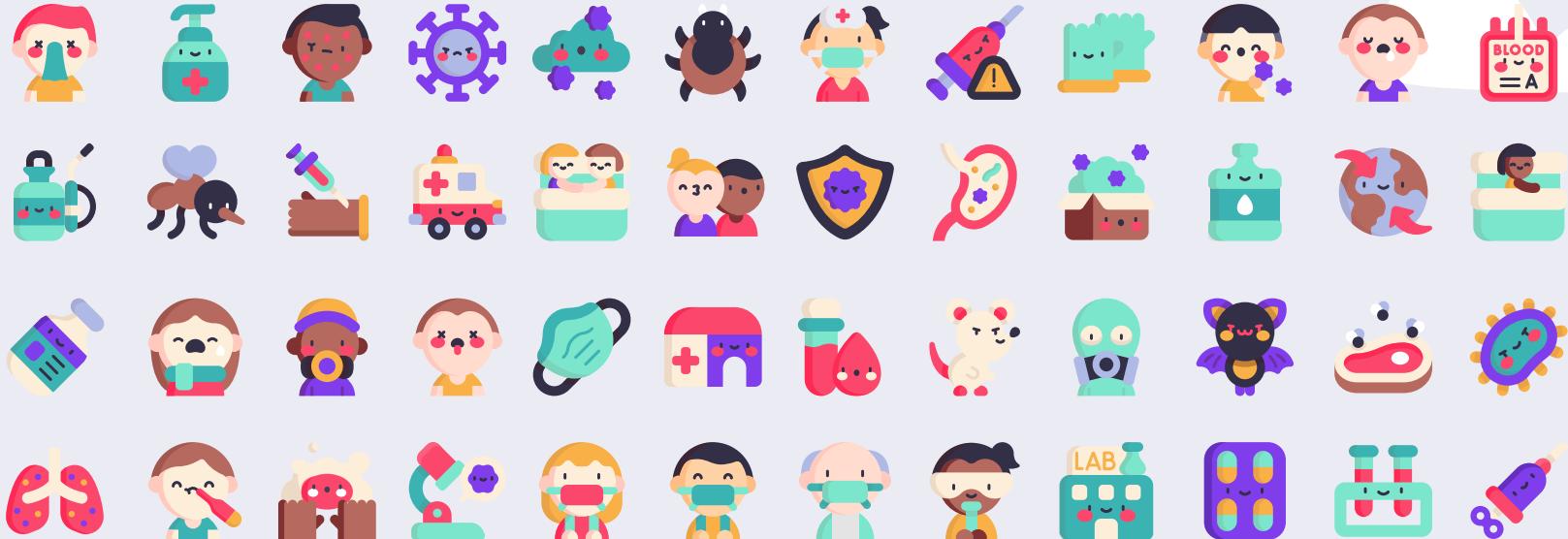
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ICONS



ALTERNATIVE RESOURCES





RESOURCES



VECTOR

- Cute animals in time of coronavirus
- Cute animal in times of coronavirus
- Social distancing concept with cute animals
- Social distancing concept with cute animals

PHOTO

- Boy with mask showing ok sign
- Side view of mom putting medical mask on child
- Smiley teacher standing in classroom

ICON

- Virus transmission Icon Pack

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Pana



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Rafiki



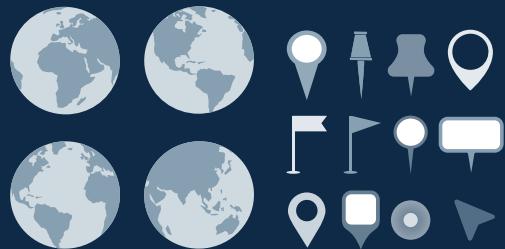
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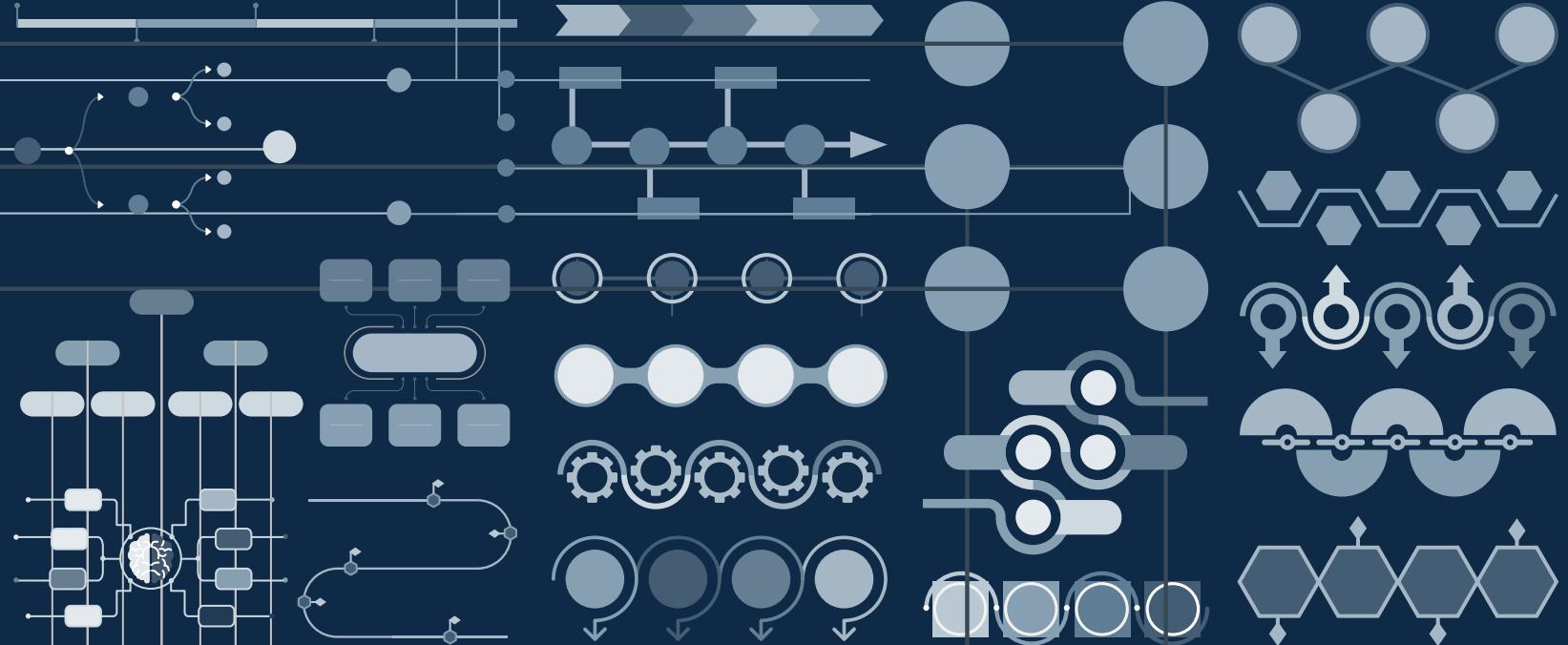
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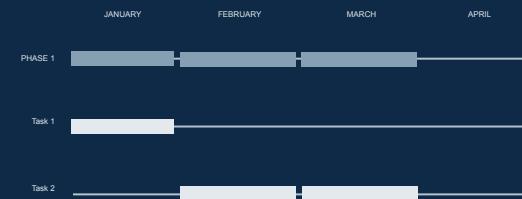
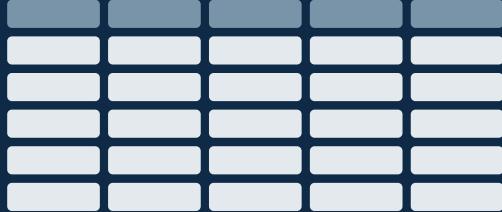
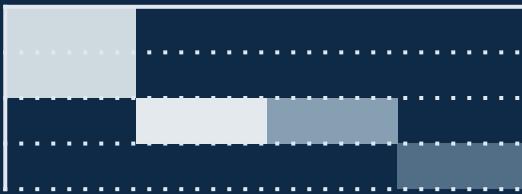
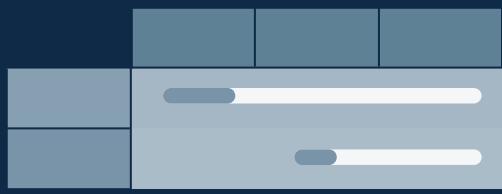
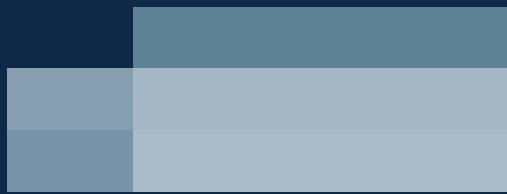
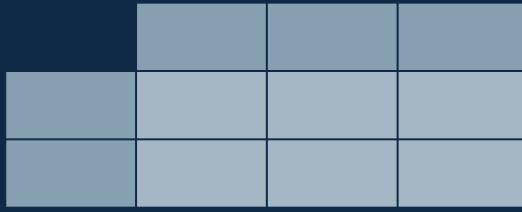
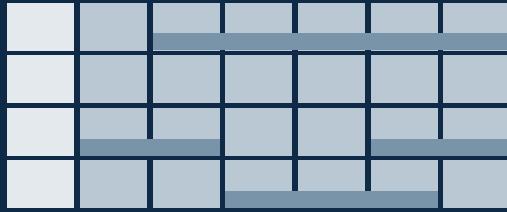
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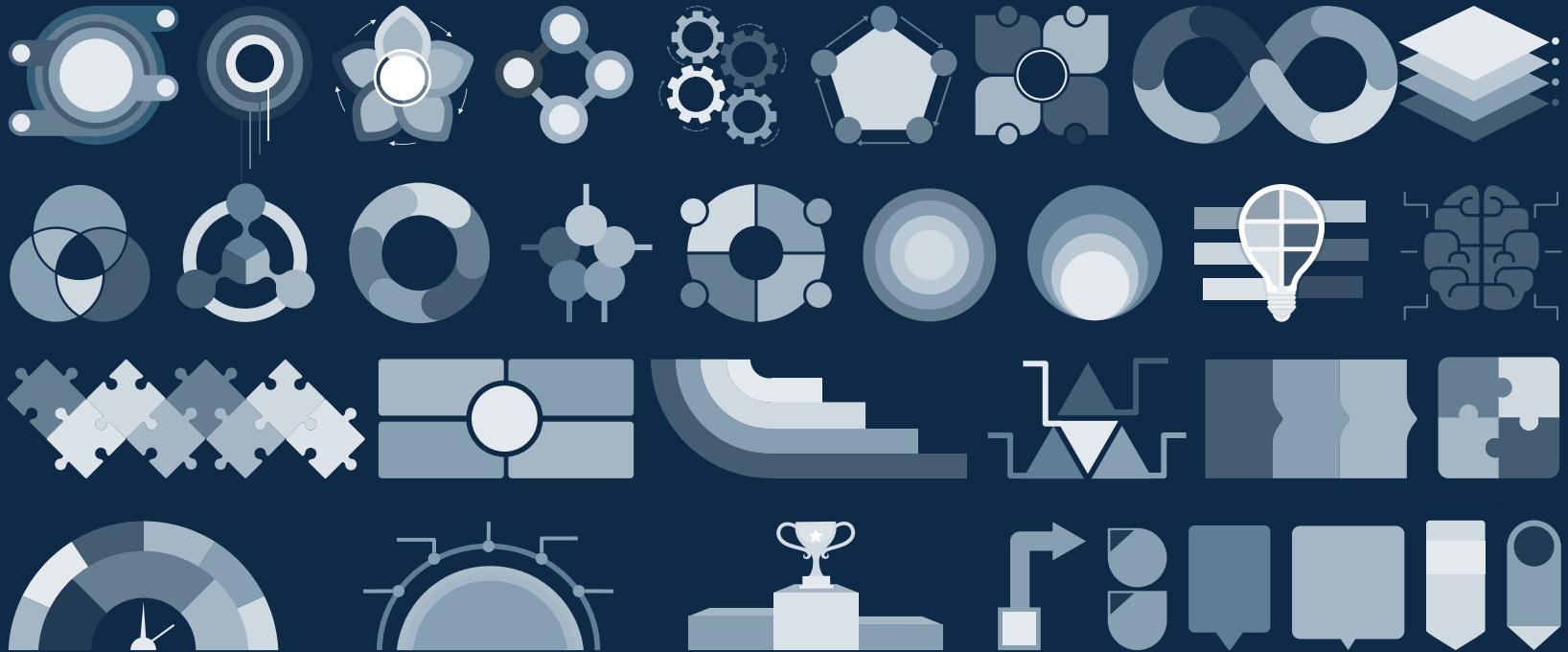
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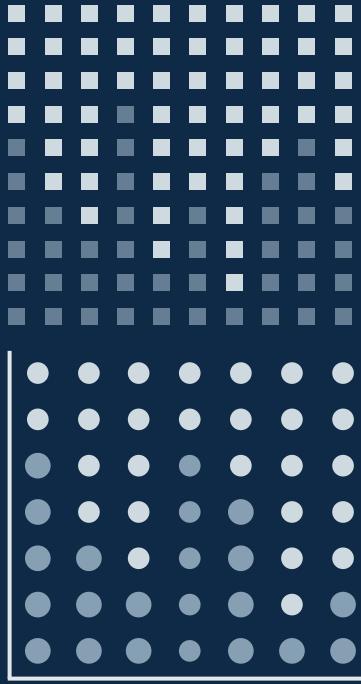












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Avatar Icons



Creative Process Icons



Performing Arts Icons



Nature Icons



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