

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. Some nodes are highlighted with blue circles, and others with blue dots.

# **Inteligencia Artificial II**

## **Generalidades**

A decorative network diagram in the bottom-right corner, similar to the one in the top-left, with interconnected nodes and lines, some highlighted with blue circles and others with blue dots.

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. The nodes are represented by small circles, some of which are larger and have concentric circles, suggesting a hierarchical or central structure. The lines are thin and gray, connecting the nodes in a non-linear fashion.

# 1. **Profesores**

## Profesores

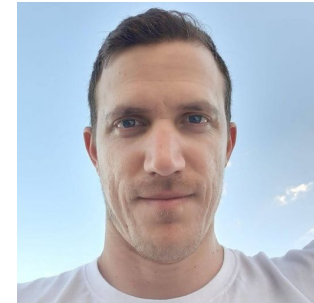
Rodrigo Gonzalez, PhD

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[jorge.guerra881215@gmail.com](mailto:jorge.guerra881215@gmail.com)



A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. The nodes are represented by small circles, some of which are larger and have concentric circles, while others are smaller and solid. The lines are thin and gray, connecting the nodes in a non-linear fashion.

# 2. **Horarios**

## Metodología

- ⦿ Lunes, clase de teoría, de 19:00 a 21:00.
- ⦿ Jueves, clase de práctica, de 19:00 a 21:00.

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. The nodes are represented by small circles, some of which are larger and have concentric circles, suggesting different levels of connectivity or importance. The lines are thin and gray, creating a mesh-like structure.

# 3. Cronograma

# Cronograma

				Teoria	Practica
Fecha	Nro	Tema	Unidad		
05/08/2024	1	Regresión lineal y regresión logística	1	Rodrigo	Rodrigo
12/08/2024	2	Linear Model Selection and Regularization. Ridge and Lasso.	1	Rodrigo	Rodrigo
19/08/2024	3	The mathematical building blocks of neural networks	1	Jorge	Jorge
26/08/2024	4	Getting started with neural networks: Classification and regression	2	Jorge	Jorge
02/09/2024	5	Fundamentals of machine learning	2	Jorge	Jorge
09/09/2024	6	Introduction to deep learning for computer vision	2	Rodrigo	Rodrigo
16/09/2024	7	Advanced deep learning for computer vision	3	Rodrigo	Rodrigo
23/09/2024	8	Deep learning for time series / Parcial 1	3	Rodrigo	Rodrigo
30/09/2024	9	Deep learning for text / Recuperatorio Parcial 1	3	Rodrigo	Rodrigo
07/10/2024	10	LLM	3	Jorge	Jorge
14/10/2024	11	LLM	3	Rodrigo	Rodrigo
21/10/2024	12	Reglas de asociación	4	Jorge	Jorge
28/10/2024	13	Sistemas de recomendación	4	Jorge	Jorge
04/11/2024	14	Parcial 2 / Recuperatorio Parcial 2	4		
11/11/2024	15		4		

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# 4. **Metodología**



## Metodología

- ⦿ Lunes, clase de teoría
- ⦿ Jueves, clase de práctica.
- ⦿ El día lunes se entregarán ejercicios a determinados alumnos, en forma rotativa. El día jueves, dichos alumnos deberán exponer.
- ⦿ La exposición es con nota.
- ⦿ Las exposiciones se promedian. Esta nota se agrega al siguiente parcial como un ejercicio más.

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# 5. Recursos

# Libros

An Introduction to Statistical Learning

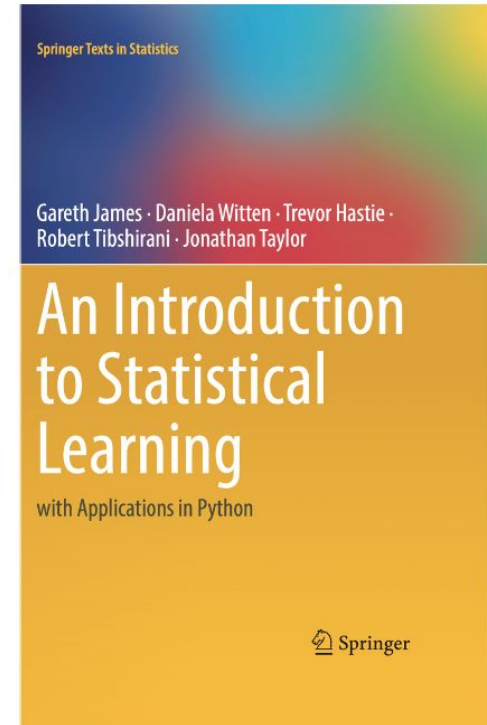
<https://www.statlearning.com/>

Bajar libro:

[https://hastie.su.domains/ISLP/ISLP\\_website.pdf.download.html](https://hastie.su.domains/ISLP/ISLP_website.pdf.download.html)

Linear regression methods

Linear regularization methods

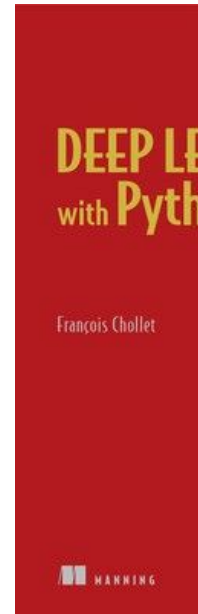


# Libros

Deep Learning with Python by François Chollet

<https://www.manning.com/books/deep-learning-with-python>

Deep learning



# Slack

Usamos el grupo para todos los avisos de la materia.

Enviar email a [rodrigo.gonzalez@ingenieria.uncuyo.edu.ar](mailto:rodrigo.gonzalez@ingenieria.uncuyo.edu.ar) para recibir link de invitación al grupo de Slack de la materia.

# Repositorio

<https://github.com/rodraz/ia2>

Programa

Filminas

Ejercicios de los alumnos

## Horarios de consulta

Las clases de consulta se coordinan por Slack o email.

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. The nodes are represented by small circles, some of which are larger and have concentric circles, suggesting different levels or types of nodes. The lines are thin and gray, connecting the nodes in a non-linear fashion.

# 6. **Herramientas**



# Herramientas

- ◎ Python
- ◎ Scikit-learning library (linear regression)
- ◎ Keras library (deep learning)

A decorative graphic in the top-left corner consisting of a network of interconnected nodes and lines, resembling a molecular structure or a data network. The nodes are represented by small circles, some solid and some hollow, connected by thin lines.

7.

# Aprobación de la materia

## Regularización

- ⊙ Asistencia (>75%).
- ⊙ Aprobación de los 2 parciales teórico/prácticos, o sus respectivos recuperatorios, con al menos 6.
  - Parcial 1, jueves 26 de septiembre
  - Parcial 2, jueves 7 de noviembre.
- ⊙ Presentación de un anteproyecto

## Aprobación

- ⦿ Ser alumno regular.
- ⦿ Presentar un proyecto final en la mesa de la materia.
- ⦿ Más información en el programa de la materia.



**¡Gracias!**

**¿Preguntas?**

# Instructions for use

## EDIT IN GOOGLE SLIDES

Click on the button under the presentation preview that says "Use as Google Slides Theme".

You will get a copy of this document on your Google Drive and will be able to edit, add or delete slides.

You have to be signed in to your Google account.

## EDIT IN POWERPOINT®

Click on the button under the presentation preview that says "Download as PowerPoint template". You will get a .pptx file that you can edit in PowerPoint.

Remember to download and install the fonts used in this presentation (you'll find the links to the font files needed in the [Presentation design slide](#))

**More info on how to use this template at**  
**[www.slidescarnival.com/help-use-presentation-template](http://www.slidescarnival.com/help-use-presentation-template)**

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A decorative graphic at the top of the slide featuring a network of interconnected nodes and lines, resembling a molecular or digital structure. A central node is highlighted with a blue double quote symbol.

“


*Quotations are commonly printed  
as a **means of inspiration** and to  
invoke philosophical thoughts  
from the reader.*



## This is a slide title

- ◎ Here you have a list of items
- ◎ And some text
- ◎ But remember not to overload your slides with content

Your audience will listen to you or read the content, but won't do both.





# Big concept

Bring the attention of your audience over a key concept using icons or illustrations



## You can also split your content

### **White**

Is the color of milk and fresh snow, the color produced by the combination of all the colors of the visible spectrum.

### **Black**

Is the color of ebony and of outer space. It has been the symbolic color of elegance, solemnity and authority.

## In two or three columns

### **Yellow**

Is the color of gold, butter and ripe lemons. In the spectrum of visible light, yellow is found between green and orange.

### **Blue**

Is the colour of the clear sky and the deep sea. It is located between violet and green on the optical spectrum.

### **Red**

Is the color of blood, and because of this it has historically been associated with sacrifice, danger and courage.

## A picture is worth a thousand words

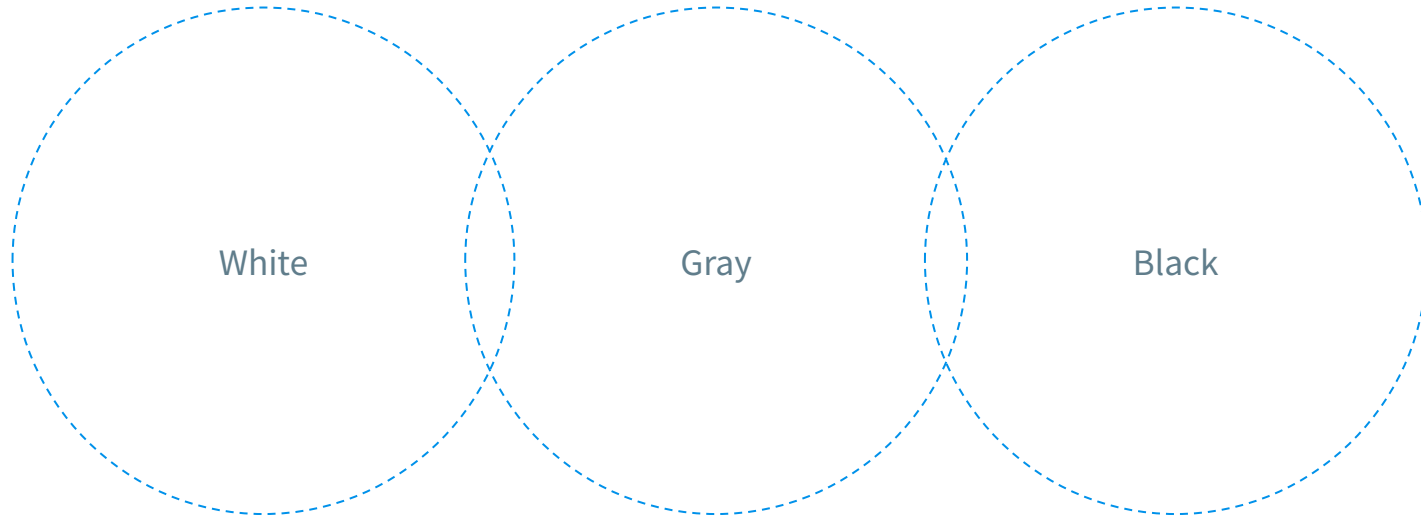
A complex idea can be conveyed with just a single still image, namely making it possible to absorb large amounts of data quickly.



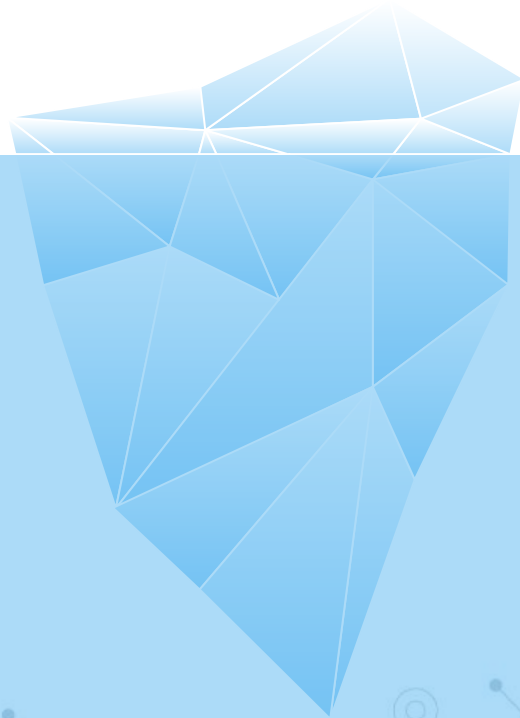


**Want big  
impact?**  
Use big image.

## Use charts to explain your ideas



## Or diagrams to explain complex ideas



### Example text.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam venenatis nisi at nisl tempor, et luctus diam lobortis. Nulla sit amet metus consequat velit iaculis tempor.

### Example text.

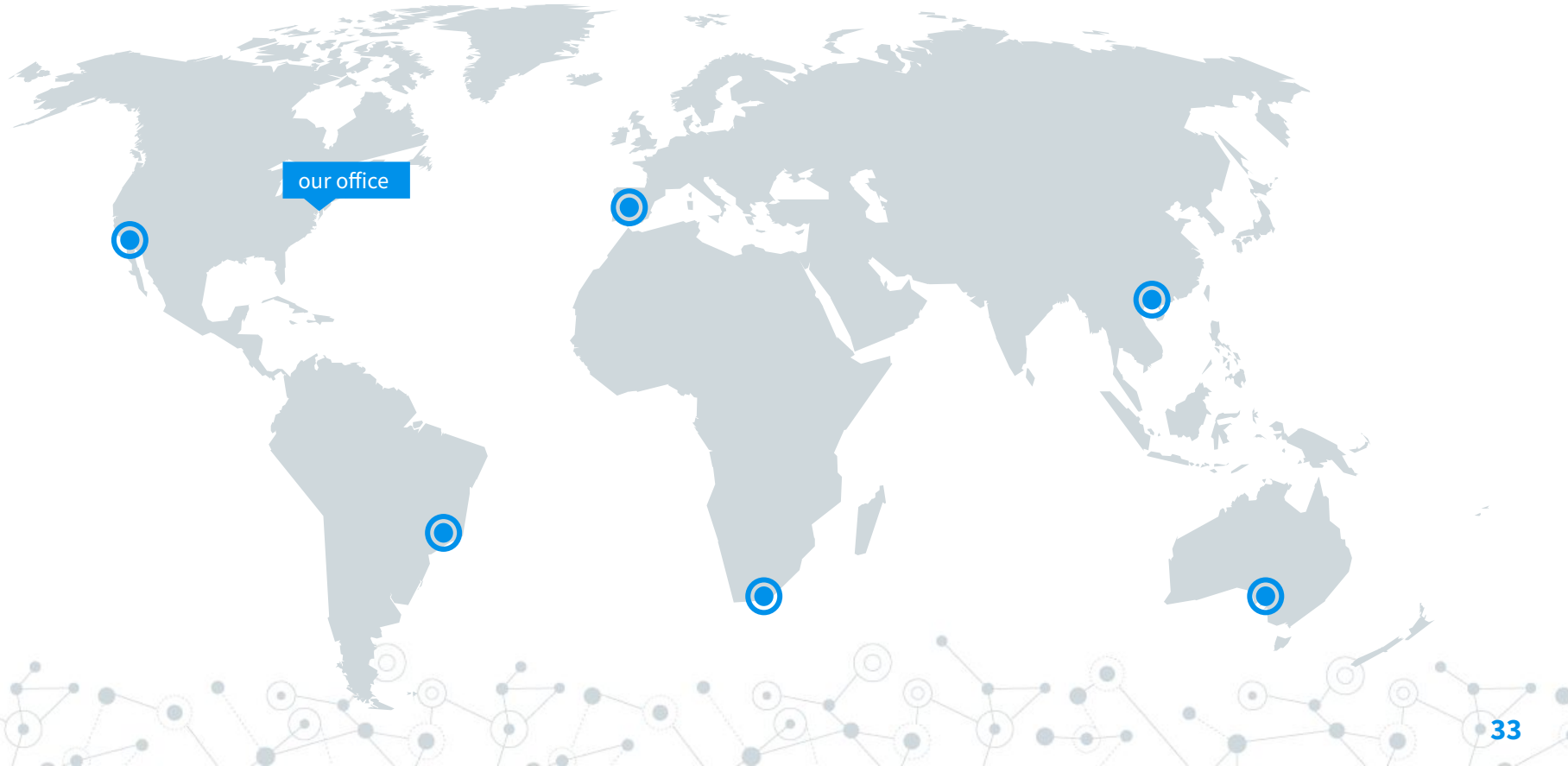
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam venenatis nisi at nisl tempor, et luctus diam lobortis. Nulla sit amet metus consequat velit iaculis tempor.

## And tables to compare data

	A	B	C
Yellow	<b>10</b>	<b>20</b>	<b>7</b>
Blue	<b>30</b>	<b>15</b>	<b>10</b>
Orange	<b>5</b>	<b>24</b>	<b>16</b>



# Maps



The background of the slide features a light gray network pattern. It consists of numerous small circles, some of which are double-lined, connected by thin, light gray lines. These connections form a complex, web-like structure that fills the entire background.

# 89,526,124

Whoa! That's a big number, aren't you proud?

# Presentation design

This presentations uses the following typographies and colors:

- Titles: **Roboto Slab**
- Body copy: **Source Sans Pro**

Download for free at:

<https://www.fontsquirrel.com/fonts/roboto-slab>

<https://www.fontsquirrel.com/fonts/source-sans-pro>

*You don't need to keep this slide in your presentation. It's only here to serve you as a design guide if you need to create new slides or download the fonts to edit the presentation in PowerPoint®*

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines, with some nodes highlighted in blue.

# 89,526,124\$

That's a lot of money

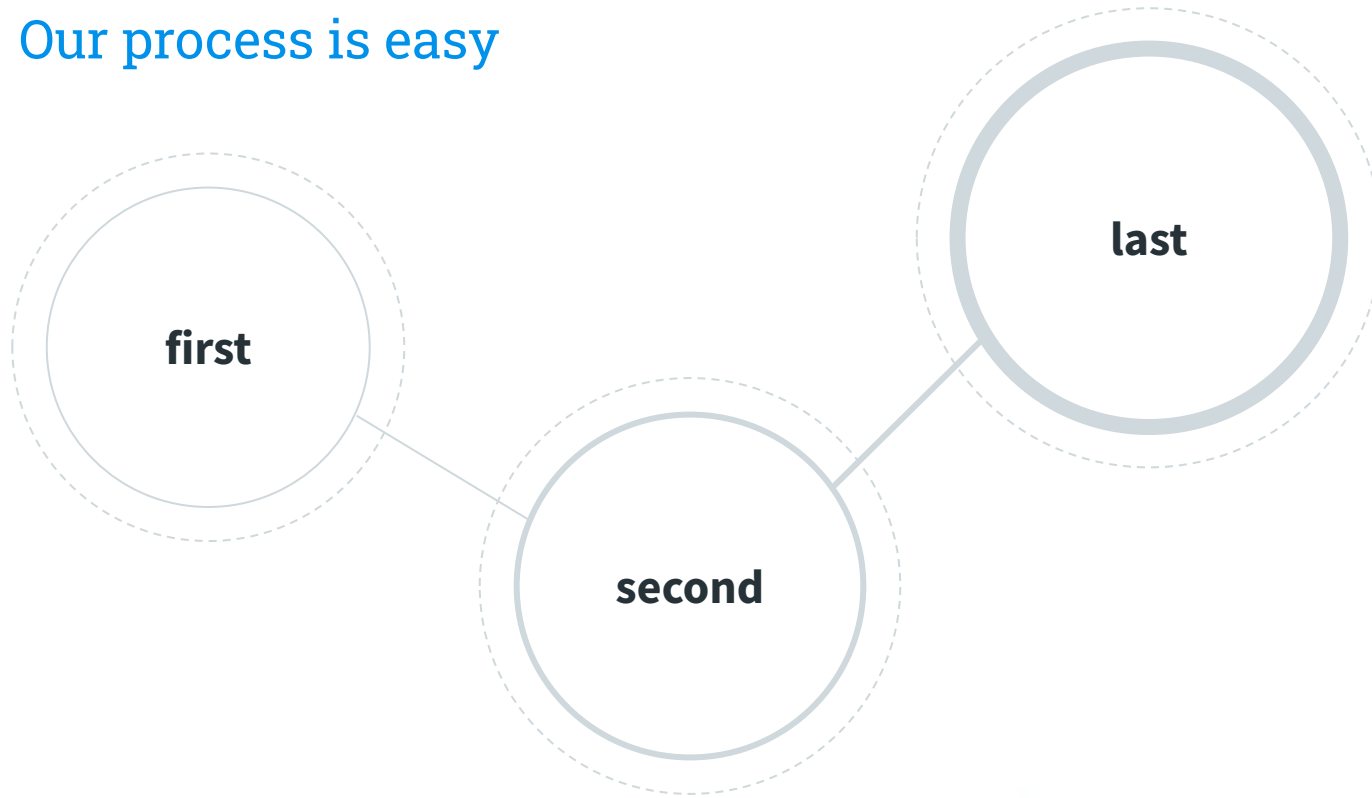
# 185,244 users

And a lot of users

# 100%

Total success!

Our process is easy



# Let's review some concepts



## Yellow

Is the color of gold, butter and ripe lemons. In the spectrum of visible light, yellow is found between green and orange.



## Yellow

Is the color of gold, butter and ripe lemons. In the spectrum of visible light, yellow is found between green and orange.



## Blue

Is the colour of the clear sky and the deep sea. It is located between violet and green on the optical spectrum.



## Blue

Is the colour of the clear sky and the deep sea. It is located between violet and green on the optical spectrum.



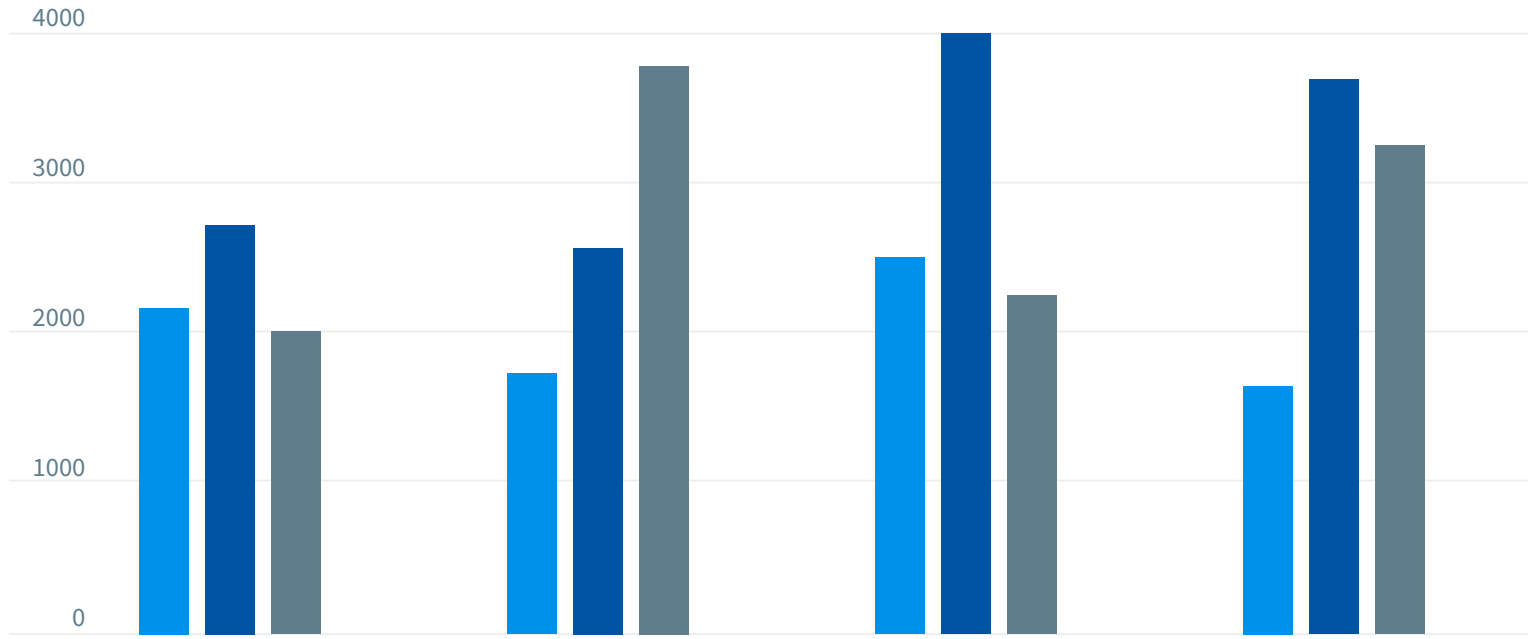
## Red

Is the color of blood, and because of this it has historically been associated with sacrifice, danger and courage.



## Red

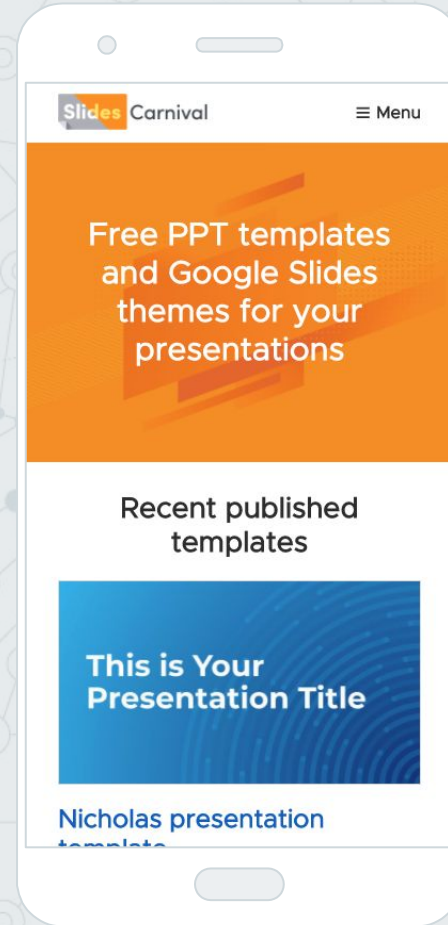
Is the color of blood, and because of this it has historically been associated with sacrifice, danger and courage.



You can insert graphs from Excel or Google Sheets

## Mobile project

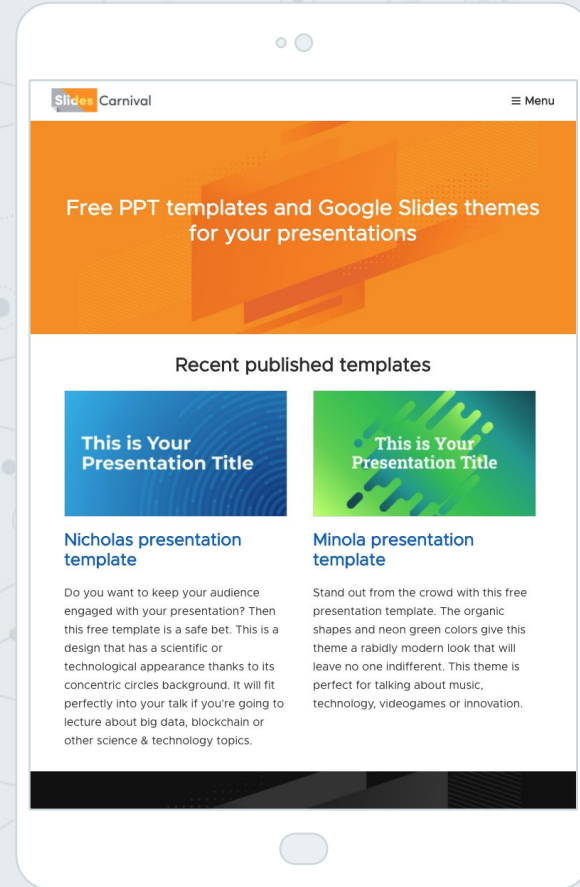
Show and explain your web, app or software projects using these gadget templates.

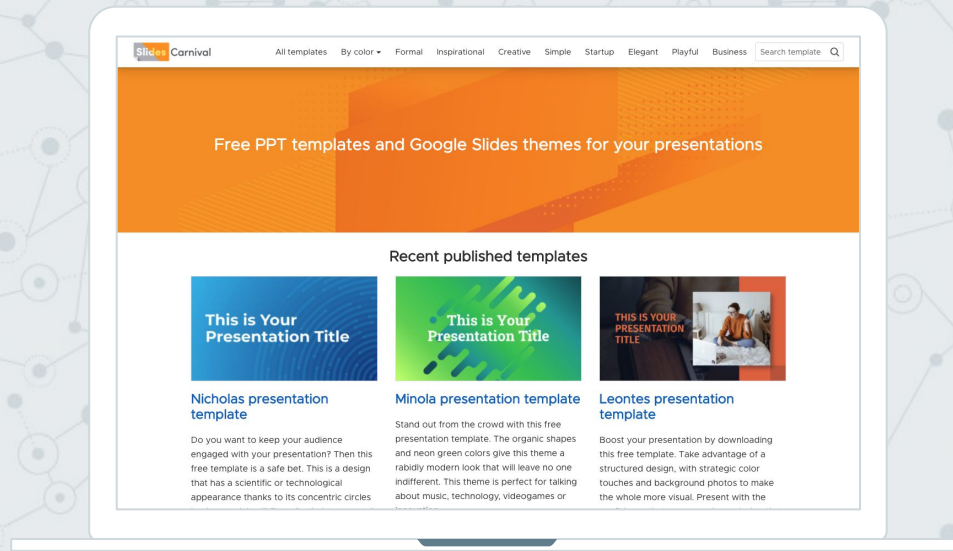




# Tablet project

Show and explain your web, app or software projects using these gadget templates.





## Desktop project

Show and explain your web, app or software projects using these gadget templates.

## Credits

Special thanks to all the people who made and released these awesome resources for free:

- ◎ Presentation template by SlidesCarnival
- ◎ Photographs by Unsplash

A decorative graphic in the top-left corner consisting of a network of interconnected nodes and lines, rendered in a light gray color. The nodes are represented by small circles, some of which are larger and have concentric circles, suggesting a hierarchical or complex network structure.

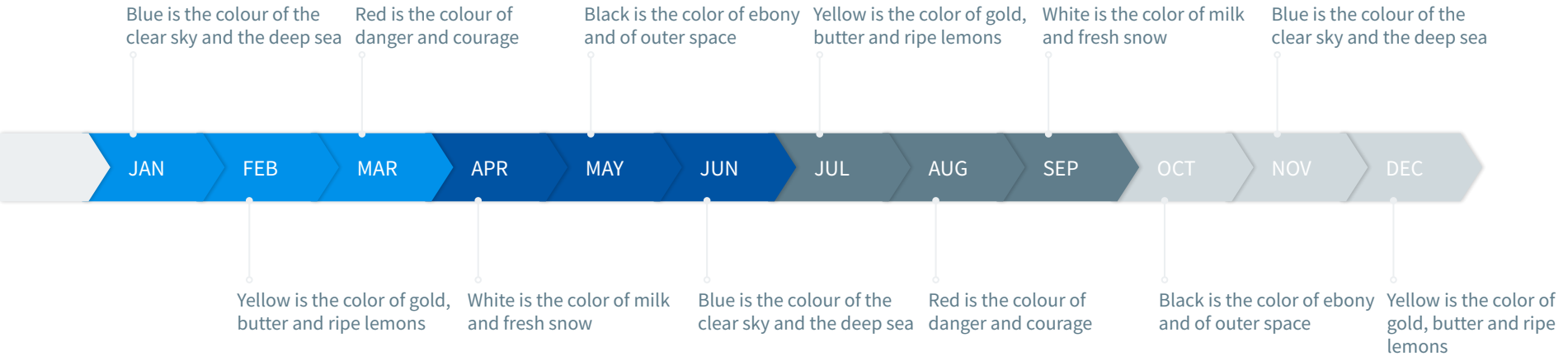
2.

## **Extra Resources**

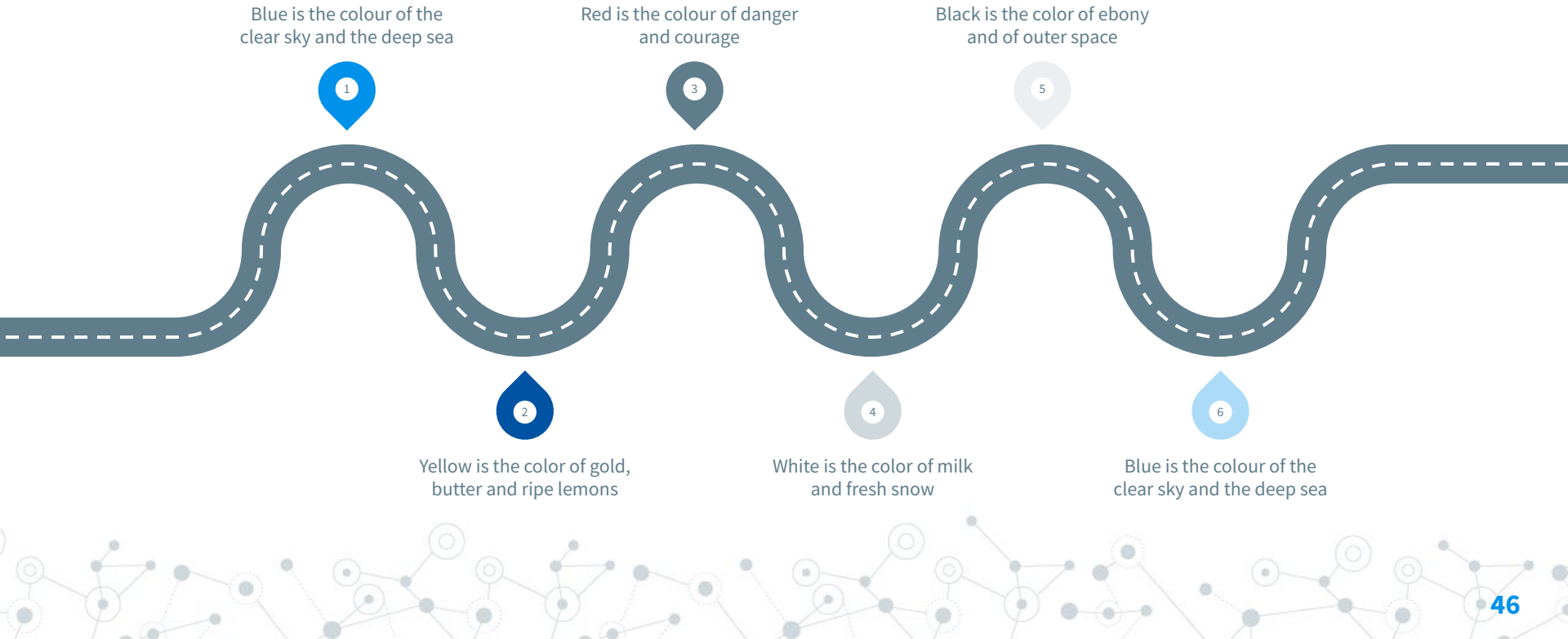
For Business Plans, Marketing Plans,  
Project Proposals, Lessons, etc

A decorative graphic in the bottom-right corner, mirroring the style of the top-left graphic. It features a network of interconnected nodes and lines in light gray, with some nodes highlighted by concentric circles.

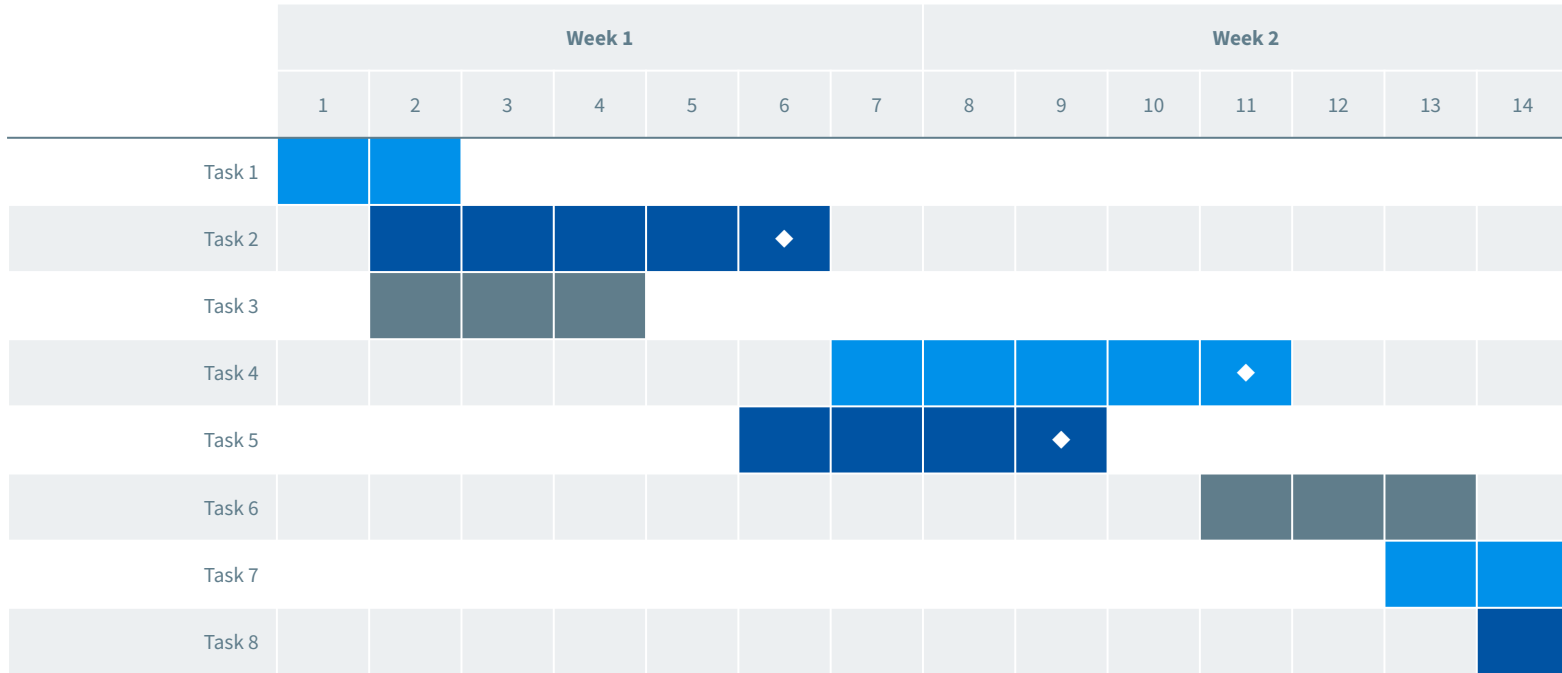
# Timeline



# Roadmap



# Gantt chart



# SWOT Analysis

## **STRENGTHS**

Blue is the colour of the clear sky and the deep sea

S

## **WEAKNESSES**

Yellow is the color of gold, butter and ripe lemons

W

O

Black is the color of ebony and of outer space

## **OPPORTUNITIES**










T

White is the color of milk and fresh snow

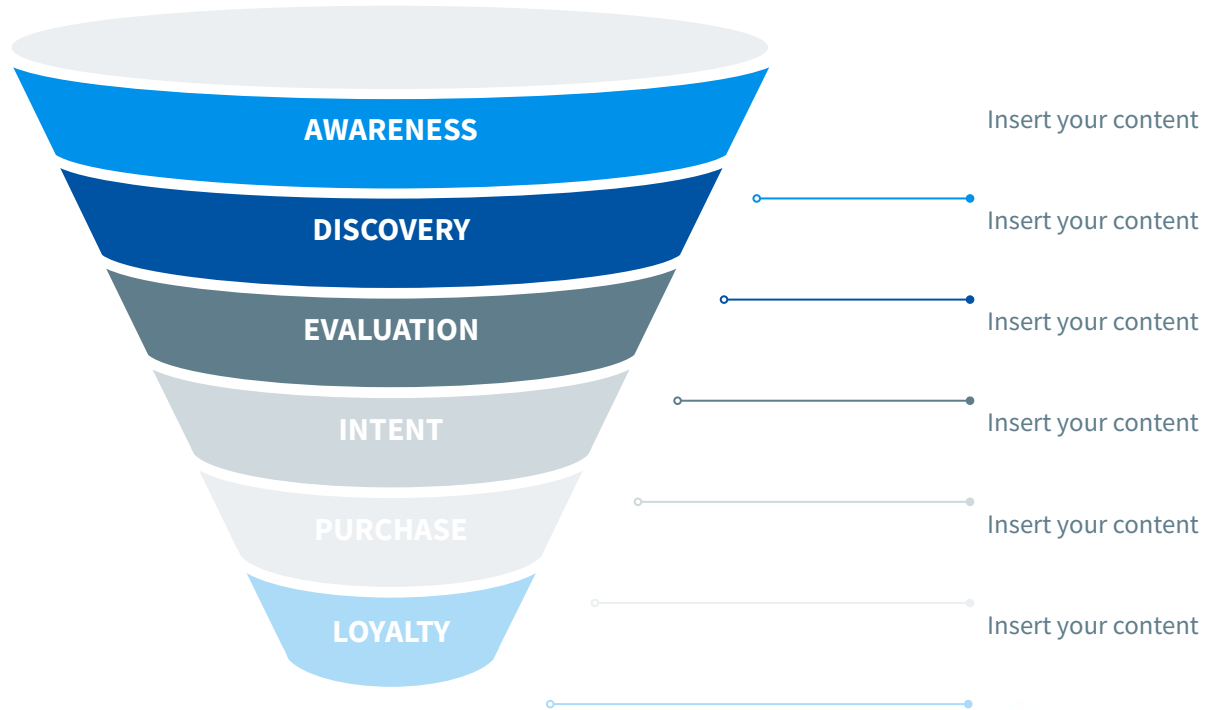
## **THREATS**



# Business Model Canvas

<b>Key Partners</b> Insert your content 	<b>Key Activities</b> Insert your content 	<b>Value Propositions</b> Insert your content 	<b>Customer Relationships</b> Insert your content 	<b>Customer Segments</b> Insert your content 
	<b>Key Resources</b> Insert your content 		<b>Channels</b> Insert your content 	
<b>Cost Structure</b> Insert your content 		<b>Revenue Streams</b> Insert your content 		

# Funnel



# Team Presentation



**Imani Jackson**

JOB TITLE

Blue is the colour of the clear  
sky and the deep sea



**Marcos Galán**

JOB TITLE

Blue is the colour of the clear  
sky and the deep sea



**Ixchel Valdía**

JOB TITLE

Blue is the colour of the clear  
sky and the deep sea

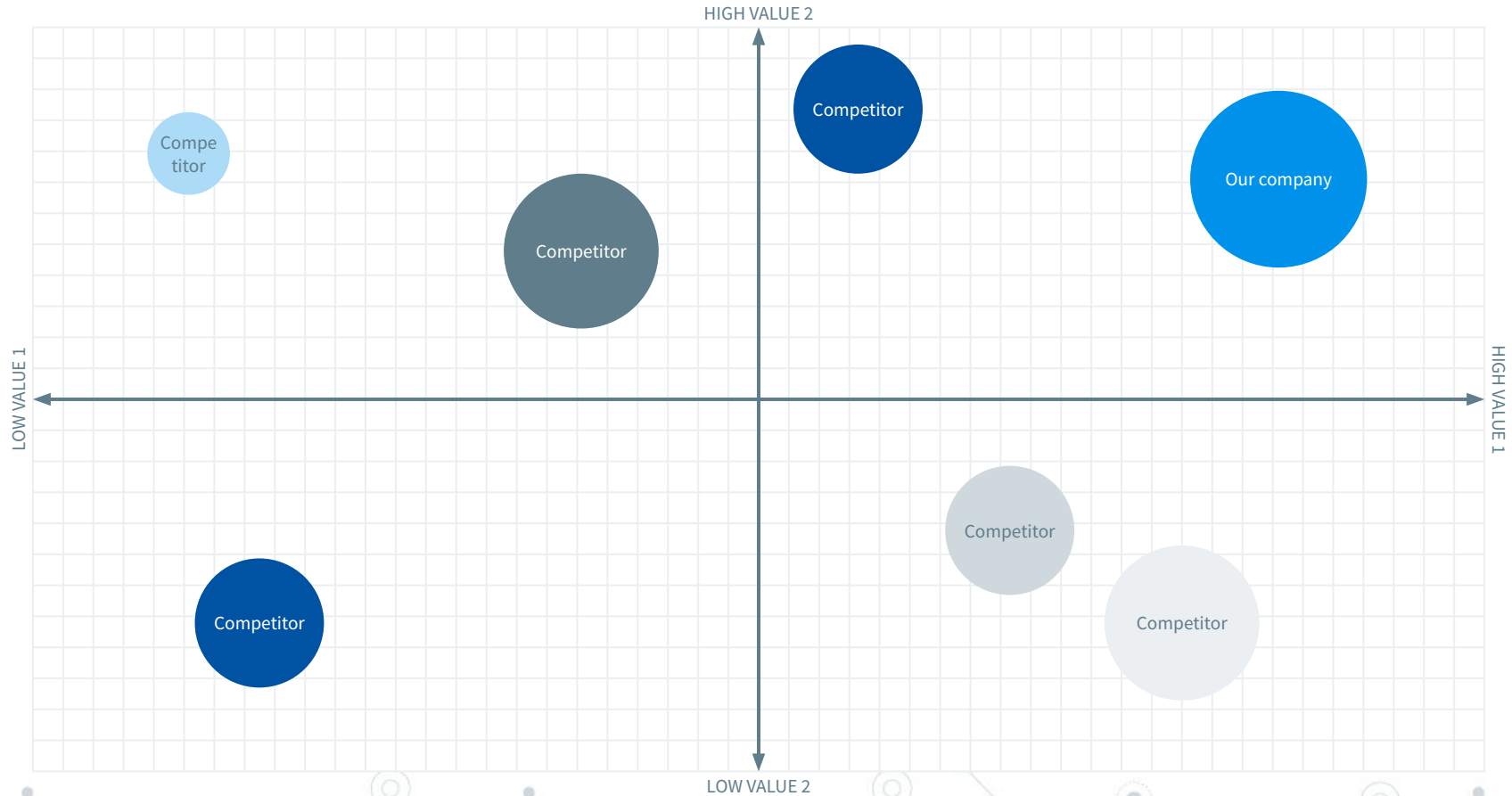


**Nils Årud**

JOB TITLE

Blue is the colour of the clear  
sky and the deep sea

## Competitor Matrix



# Weekly Planner

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
09:00 - 09:45	Task	Task	Task	Task	Task	Task	Task
10:00 - 10:45	Task	Task	Task	Task	Task	Task	Task
11:00 - 11:45	Task	Task	Task	Task	Task	Task	Task
12:00 - 13:15	✓ Free time	✓ Free time	✓ Free time	✓ Free time	✓ Free time	✓ Free time	✓ Free time
13:30 - 14:15	Task	Task	Task	Task	Task	Task	Task
14:30 - 15:15	Task	Task	Task	Task	Task	Task	Task
15:30 - 16:15	Task	Task	Task	Task	Task	Task	Task



## SlidesCarnival icons are editable shapes.

This means that you can:

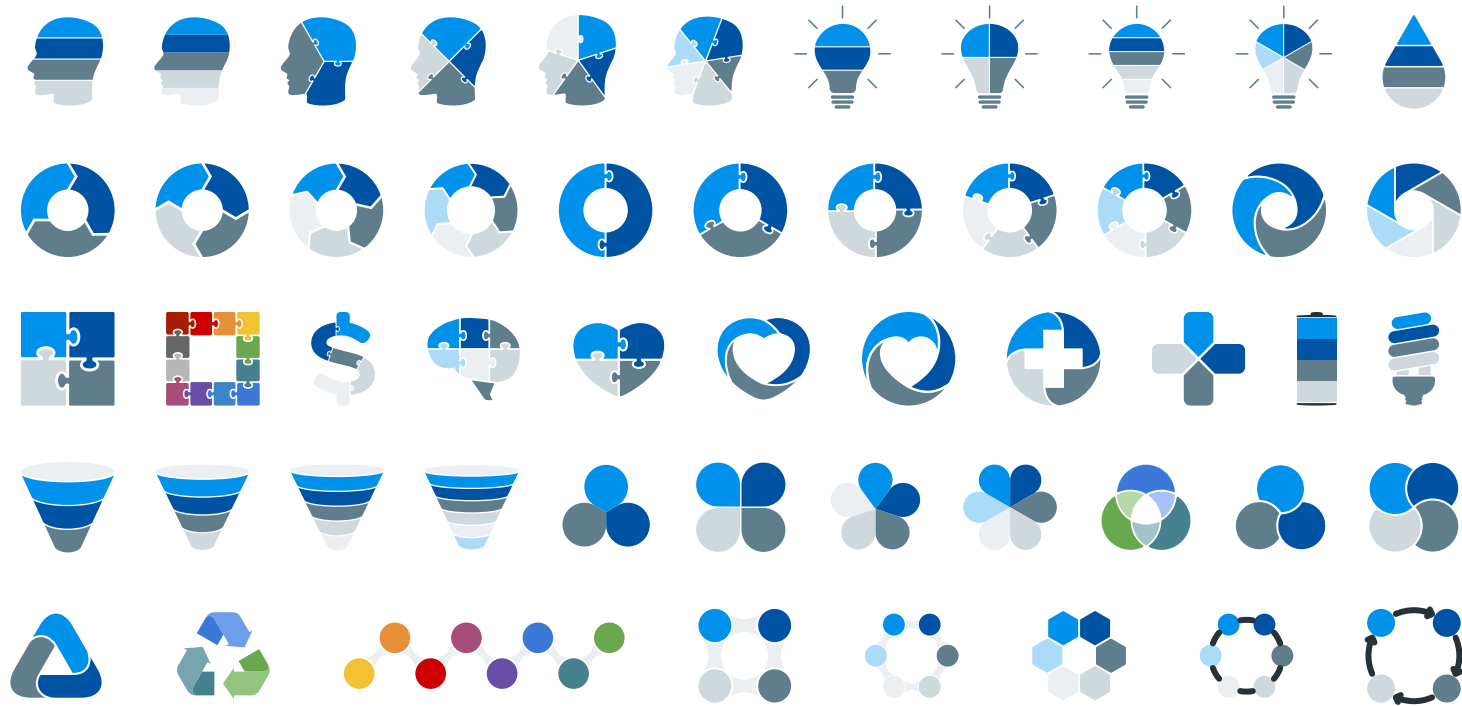
- Resize them without losing quality.
- Change line color, width and style.

Isn't that nice? :)

Examples:



# Diagrams and infographics



**You can also use any emoji as an icon!**

And of course it resizes without losing quality.

How? Follow Google instructions <https://twitter.com/googledocs/status/730087240156643328>



and many more...





**Free templates for all your presentation needs**



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Google Slides



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