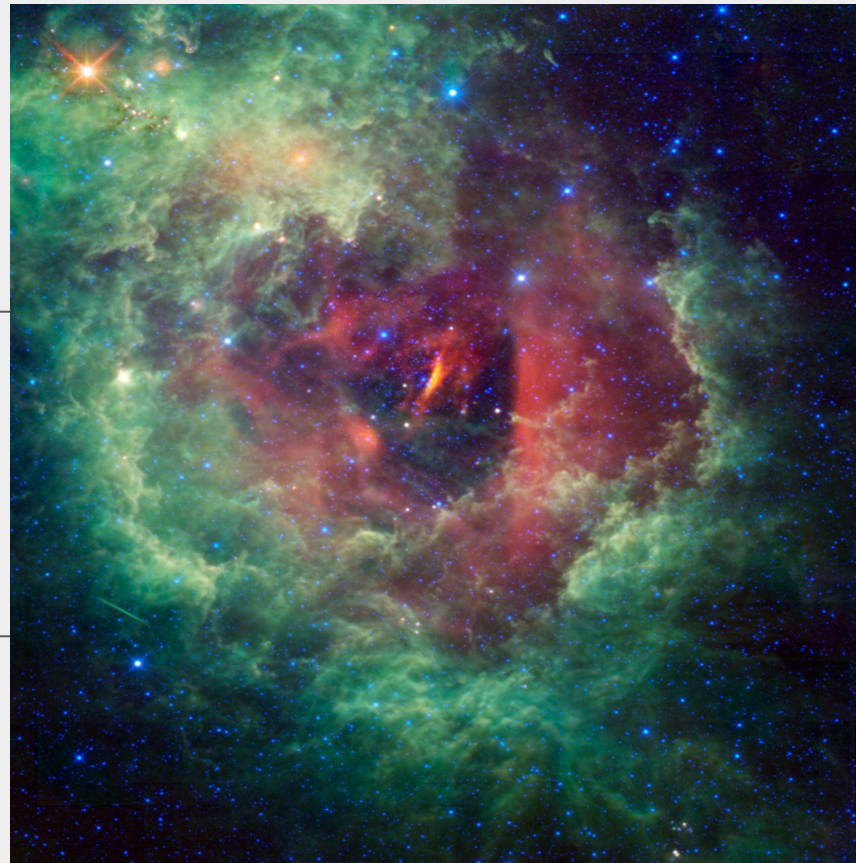


A trip through our galaxy

AlphaSky

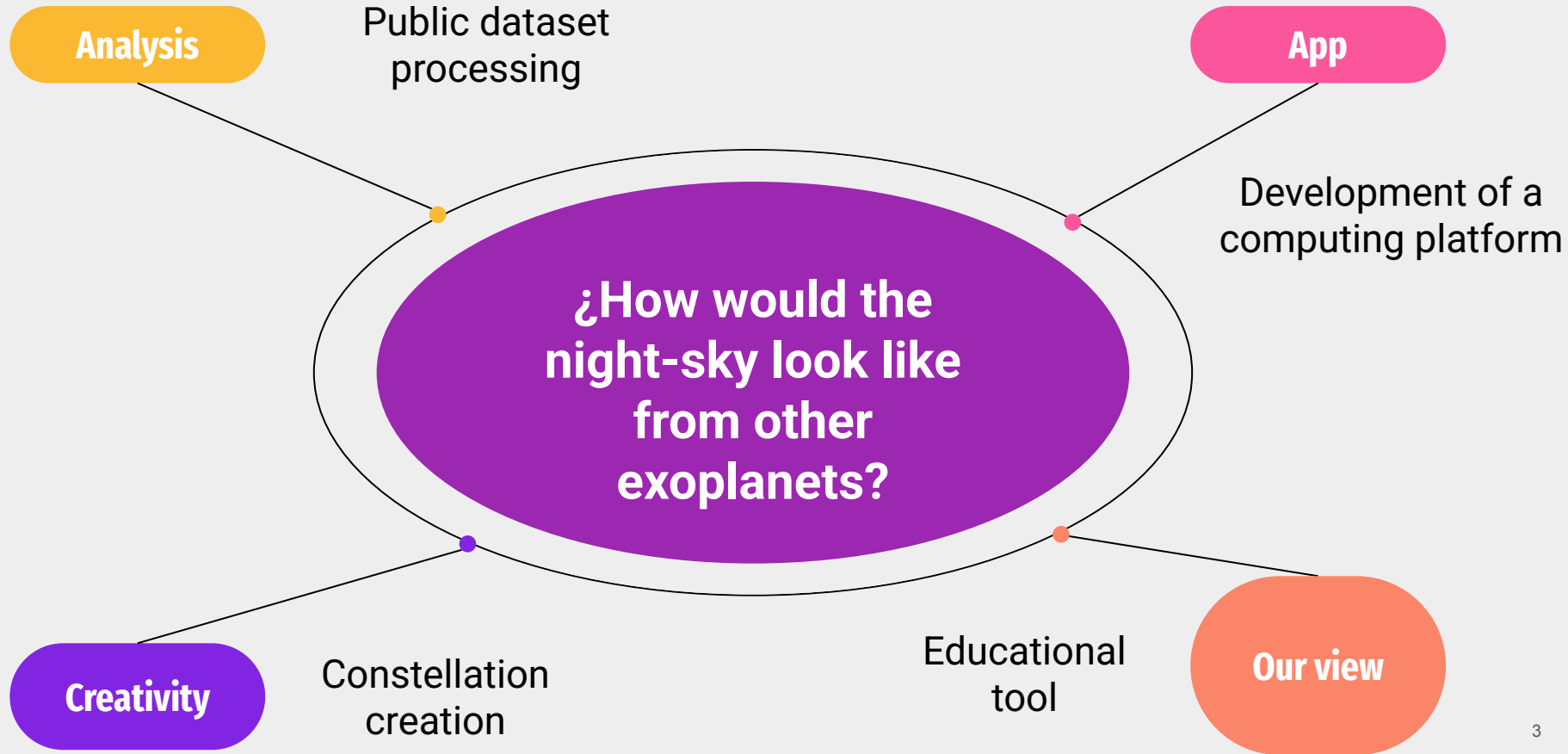


EXOSKY!



Rosette Nebulose - WISE mission
Credits: NASA/JPL-Caltech/UCLA

It was a big challenge



Our objectives

Mid/High-school teaching
app

“It is required to **renew and update** the
way in which **astronomy is taught**”

**¿Qué saben nuestros adolescentes de
astronomía?**

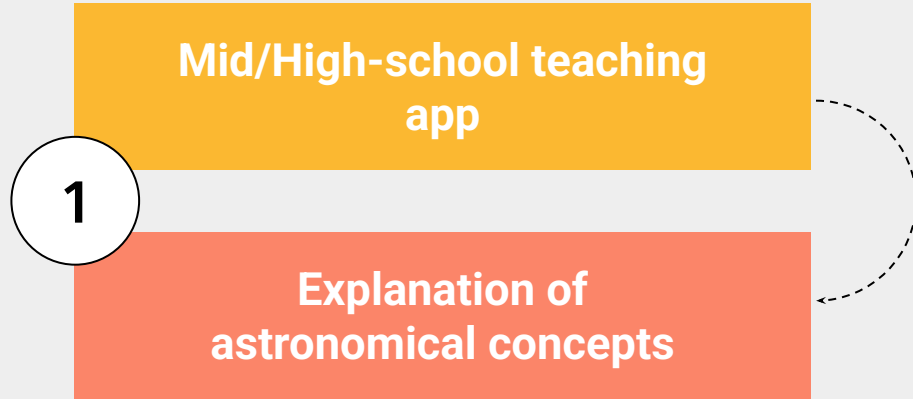
Un análisis de los conocimientos básicos relacionados
con los modelos mentales del sistema Tierra-Sol-Luna
en las etapas de ESO y Bachillerato.

Trabajo Final de Máster
Jorge García Meseguer

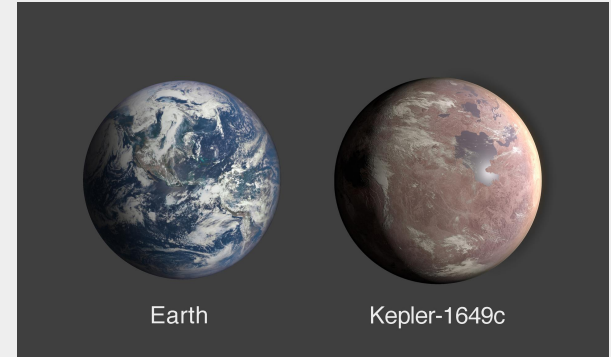
**What do teenagers
know about
astronomy?**



Our objectives



What is an **exoplanet**?
What is a **constellation**?



NASA/Ames Research Center/Daniel Rutter



https://commons.wikimedia.org/wiki/File:Big_Dipper_20210116.jpg

Our objectives

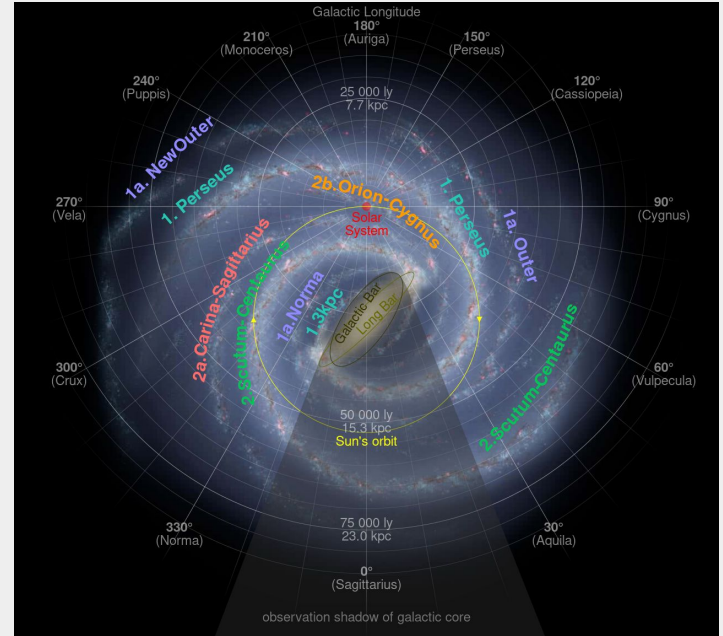
1 Mid/High-school teaching app

2 Explanation of astronomical concepts

Where are we?

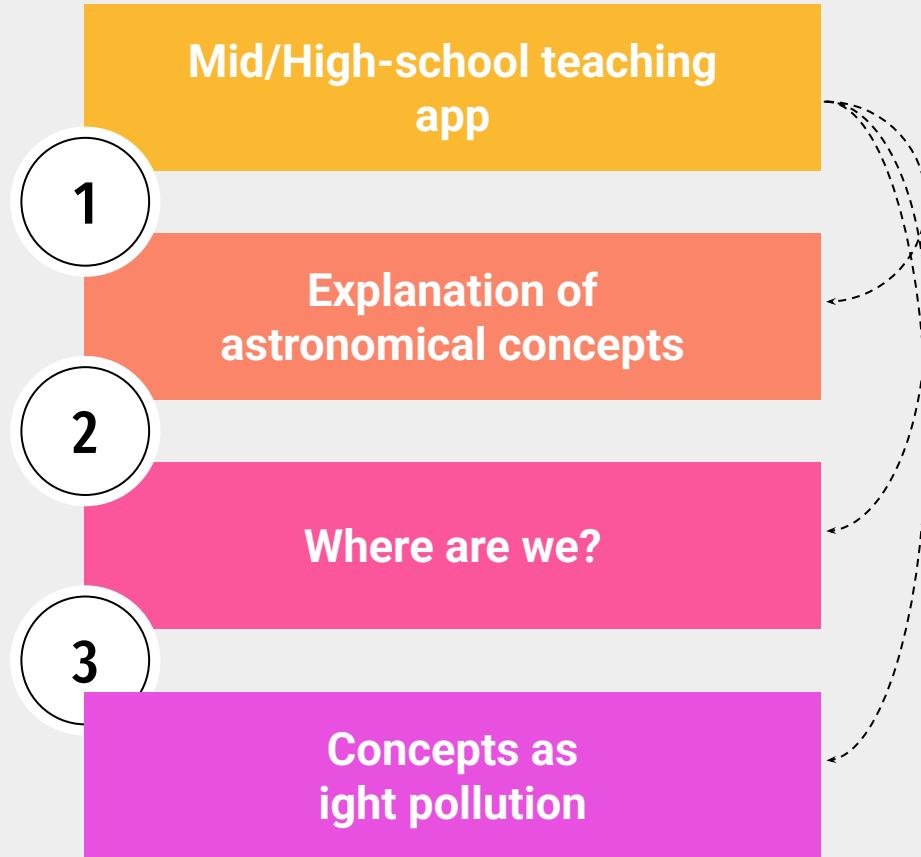
Why is it that we see stars in those particular positions in the sky?

Where would they appear to be if we lived somewhere else in the galaxy?



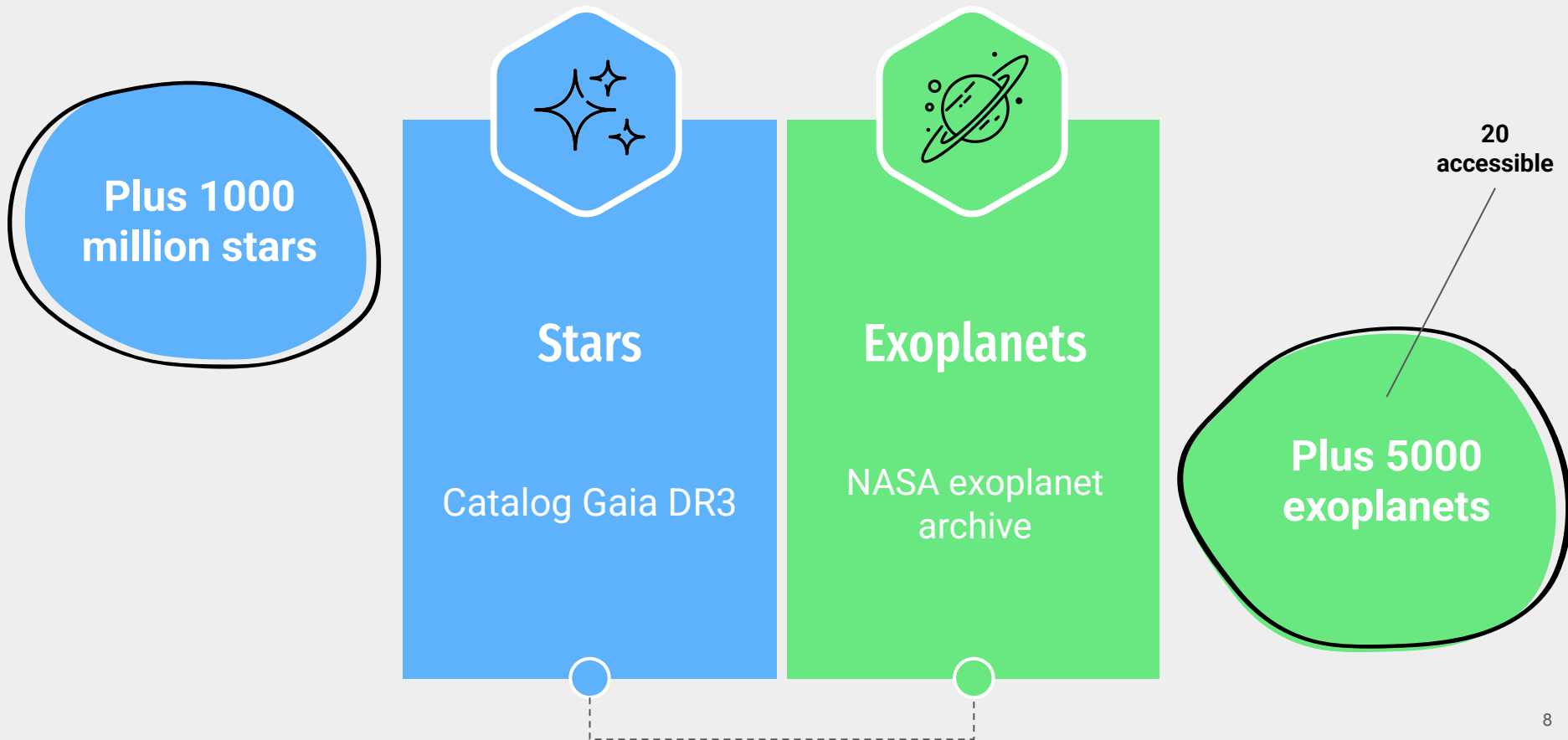
https://commons.wikimedia.org/wiki/File:Big_Dipper_20210116.jpg

Our objectives



https://commons.wikimedia.org/wiki/File:Light_pollution_It%27s_not_pretty.jpg

The data backbones...



The creation backbone...



Ursina

“A Python powered, open source
game engine”



Putting it altogether...

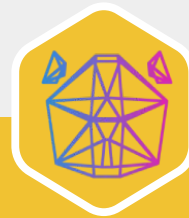
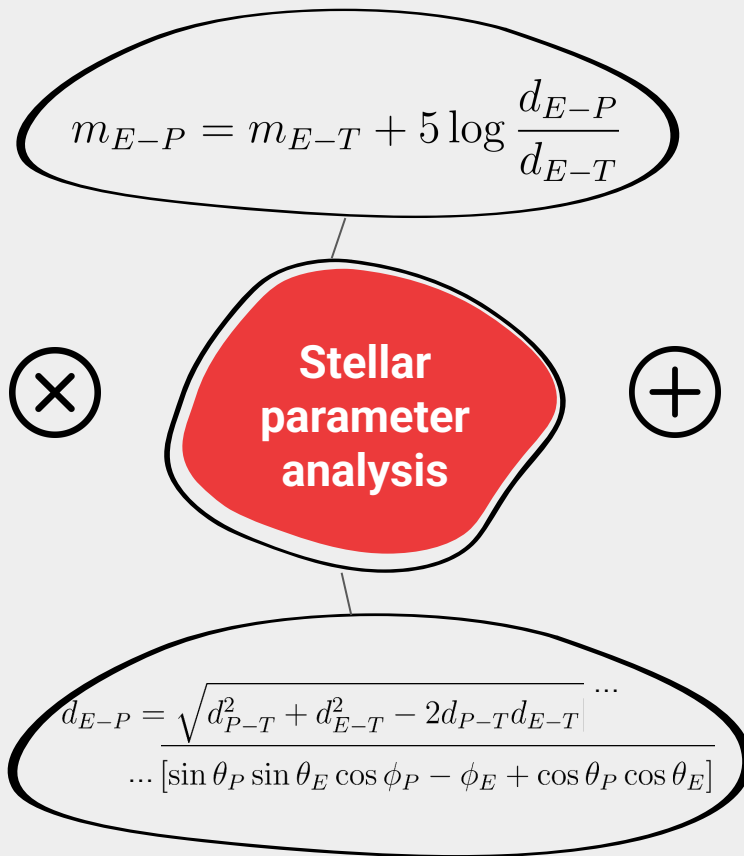


Stars

Catalog Gaia DR3

Exoplanets

NASA exoplanet
archive



Ursina

"A Python powered, open
source game engine"







Hello, human!

My name is **Copernico**, main pilot of the α -Valentia spaceship.
Today you'll learn many interesting things about

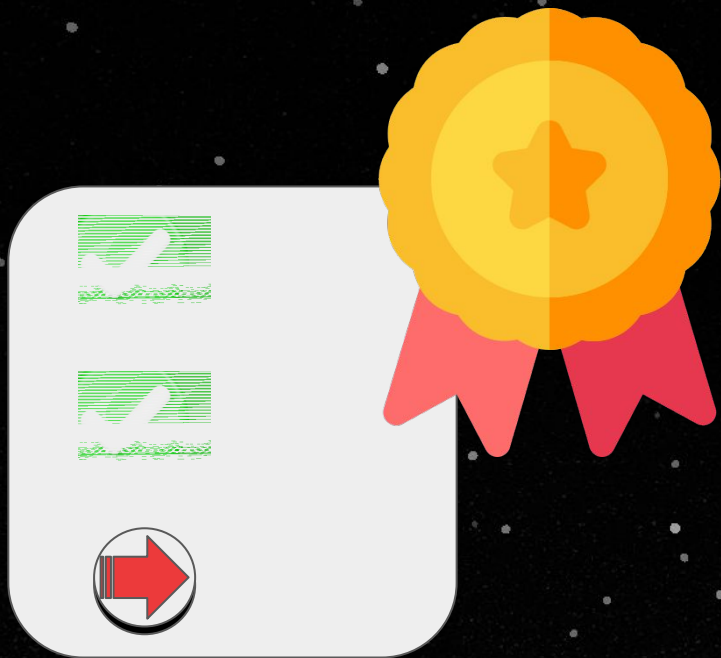


Constellations

Why did they do this? Well, constellations helped ancient people navigate the night sky, tell time, and even predict the seasons!

Can you imagine looking at the stars and knowing when to plant your crops?

We want more...



Thank you!



Code repository