

Flatiron LLC

Tanzanian Water Wells

Presentors: Kyle Dufrane & Bradly Horn



Business Understanding

• • •

- Flatiron LLC
- Business Plan
- Pump Failures





The Process

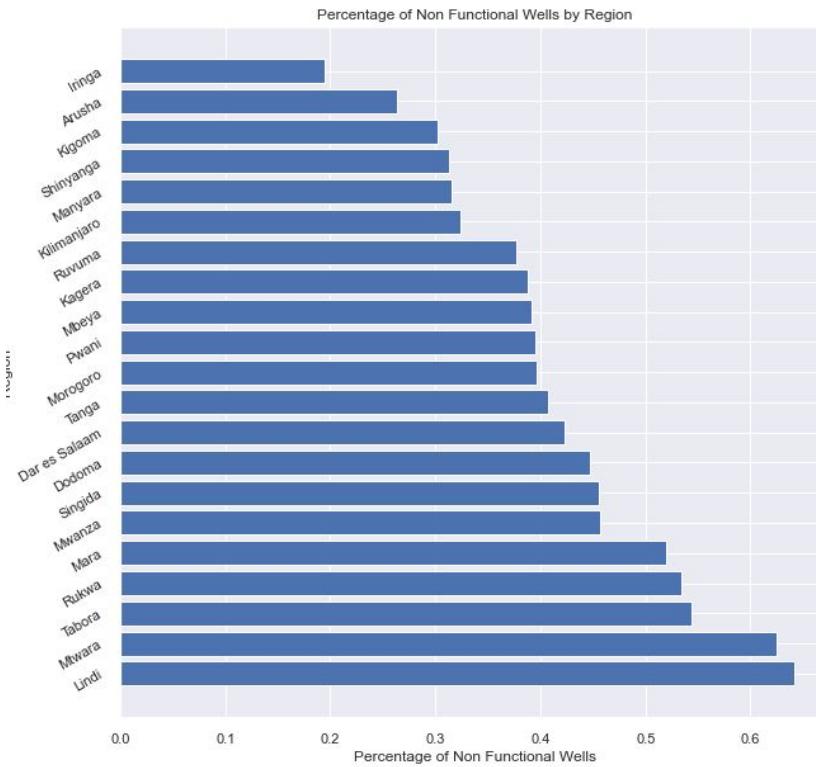


Data Understanding & Preparation



Top Functional Regions:

- Iringa
- Arusha
- Manyara
- Kilimanjaro
- Pwani



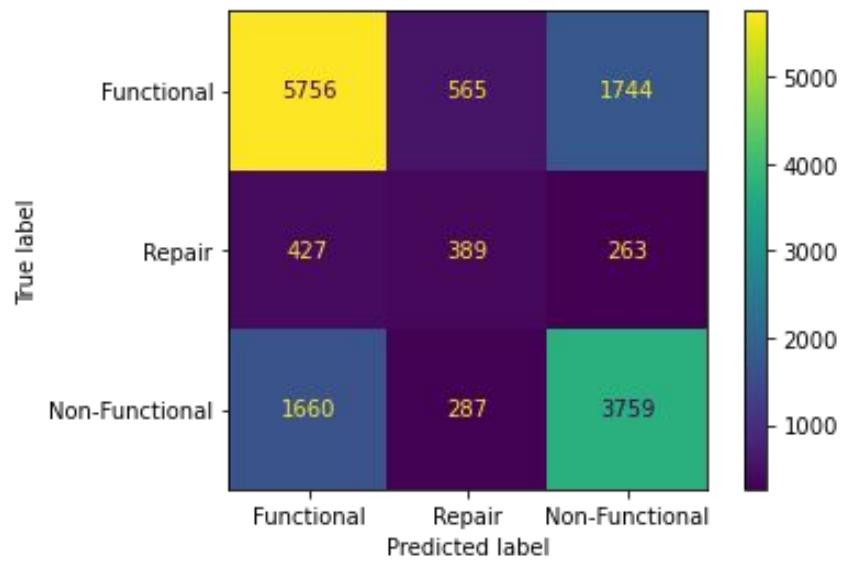
Modeling

Recall

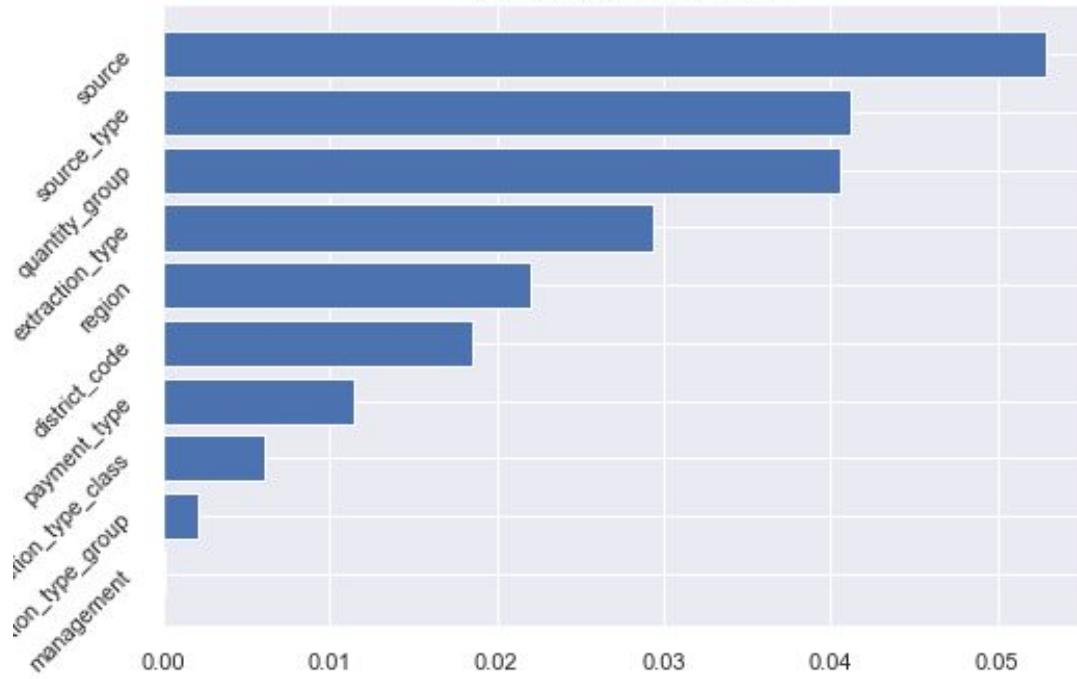
Dispatch your team
with confidence



First Simple Model



Top 10 Feature Importances



Modeling Process

First Simple Model



57.9%

...

Hyperparameter Tuning



70.38%

...

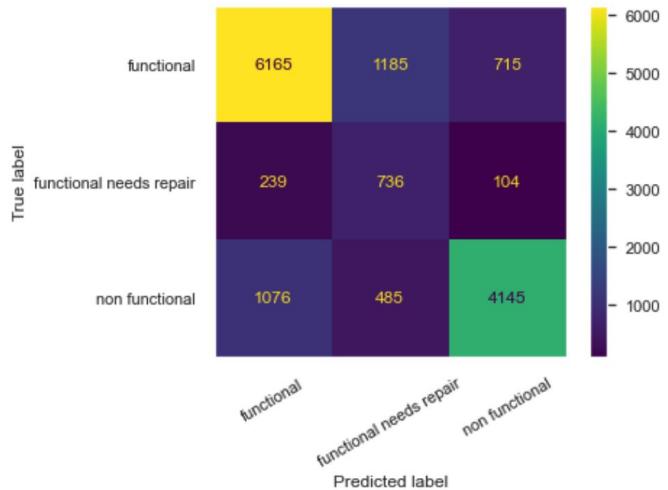


72.43%

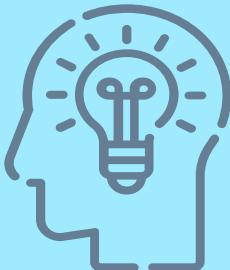
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Feature Engineering

Final Model



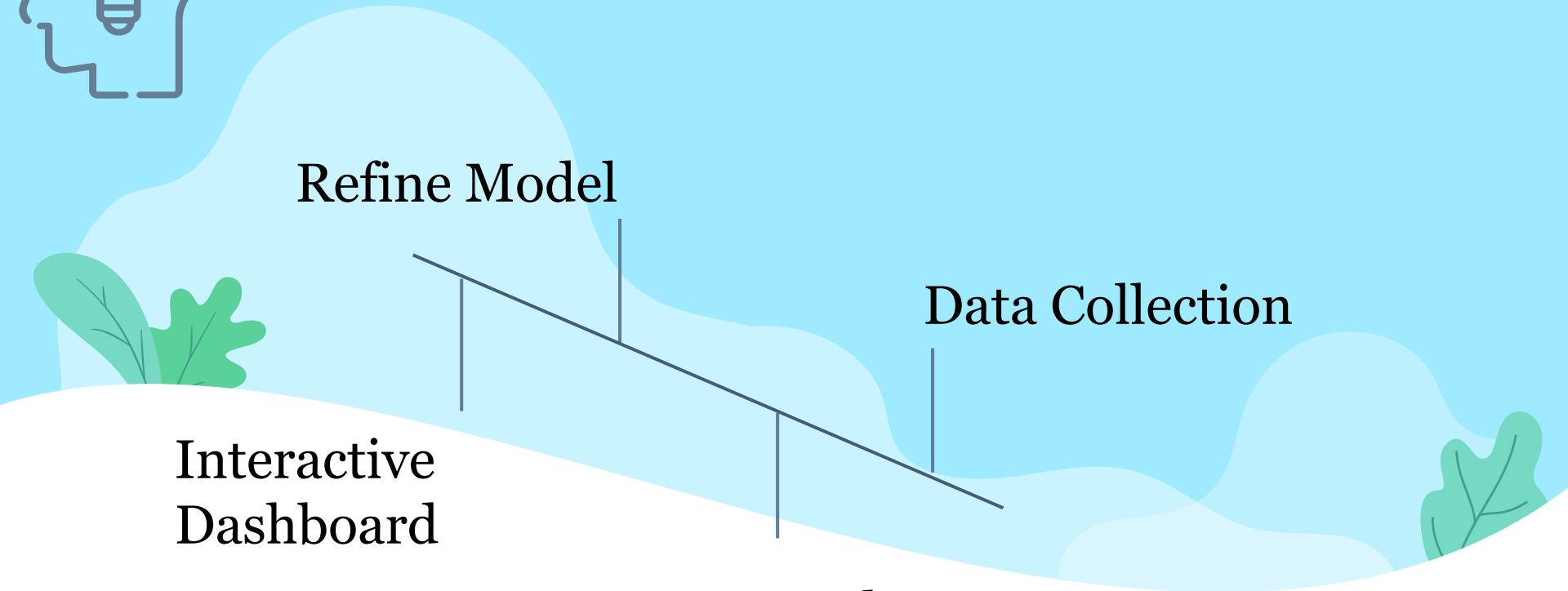
Moving Forward



Interactive
Dashboard



Data Collection



Deployment

...

333,000.00

EARTHS IS THE SUN'S MASS

Big numbers catch your audience's attention

Thank you!

Kyle Dufrane

Email: kyle.dufrane@gmail.com

Github: github.com/kyledufrane

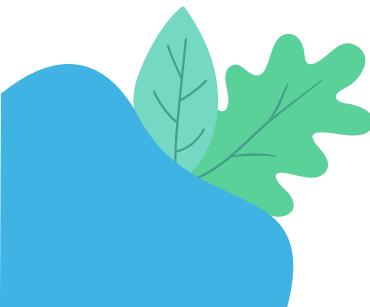
Bradly Horn

Email: wolfnchaos@gmail.com

Github: github.com/WolfnChaos



Final Model



AWESOME WORDS



UNDERSTANDING THE PROBLEM



MARS • • •

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

JUPITER • • •

It's a gas giant and also the biggest planet in our Solar System.

NEPTUNE • • •

It's the farthest planet from the Sun in our Solar System

A landscape photograph showing several white wind turbines with three blades each, standing on a grassy hill. The sky is a vibrant blue with scattered white, fluffy clouds. In the foreground, there's some dry, brownish ground and a small, simple building with a corrugated roof.

A PICTURE IS WORTH A THOUSAND WORDS

A stylized illustration of a blue planet with green landmasses at the bottom. Three blue wind turbines are positioned on the surface. The background is white.

UPCOMING GOALS

• • •

VENUS

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

• • •

MARS

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

ANALYSIS



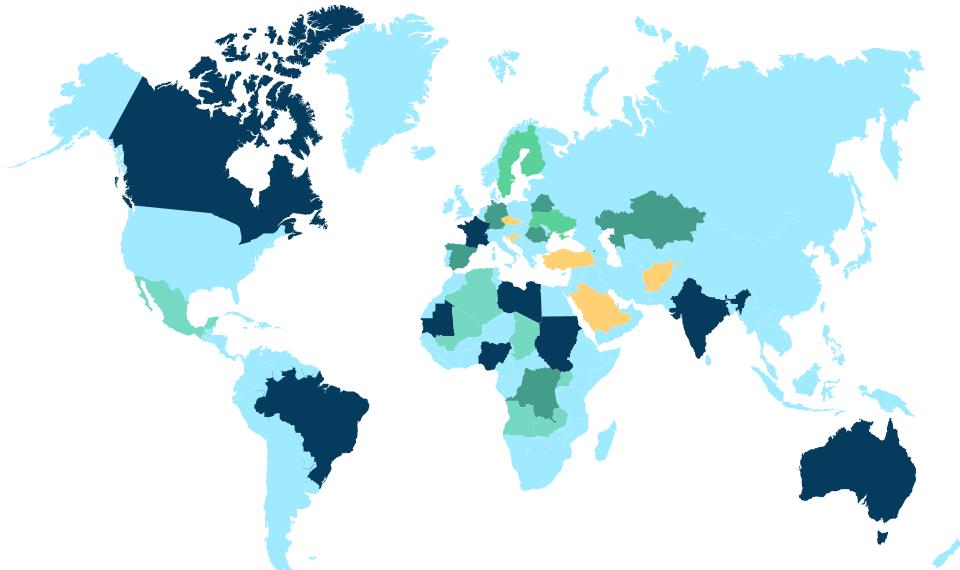
MARS

Despite being red, Mars is a cold place



VENUS

This planet is terribly hot in Solar System



MERCURY

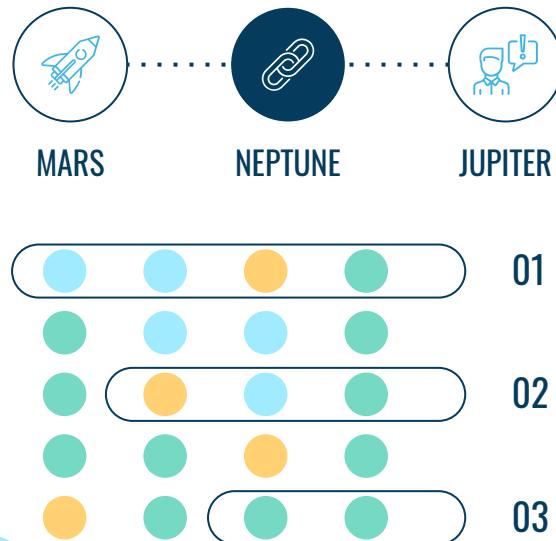
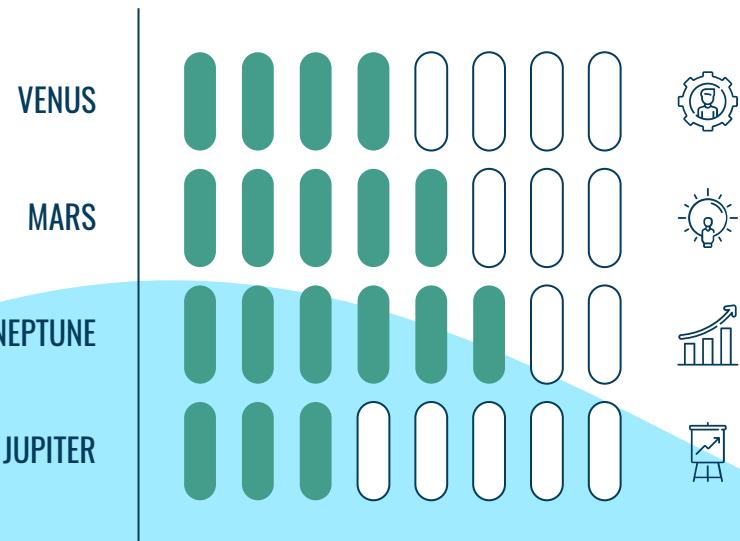
Mercury is the closest planet to the Sun



NEPTUNE

Neptune is the farthest planet from the Sun

TARGET



THIS IS OUR TEAM

JOHN DOE

Talk a bit about
this person

JENNA DOE

Talk a bit about
this person

JACK DOE

Talk a bit about
this person





OUR PARTNERS

VENUS	MARS	JUPITER
Venus has a beautiful name and is the second planet from the Sun	Despite being red, Mars is actually a cold place. It's full of iron oxide dust	Jupiter is a gas giant planet and the biggest planet in our Solar System
PARTNER	PARTNER	PARTNER



TESTIMONIALS



MARS

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



JUPITER

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



VENUS

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



SATURN

"Saturn is a gas giant, composed mostly of hydrogen and helium"



MERCURY

"This planet is named after the Roman messenger god"



NEPTUNE

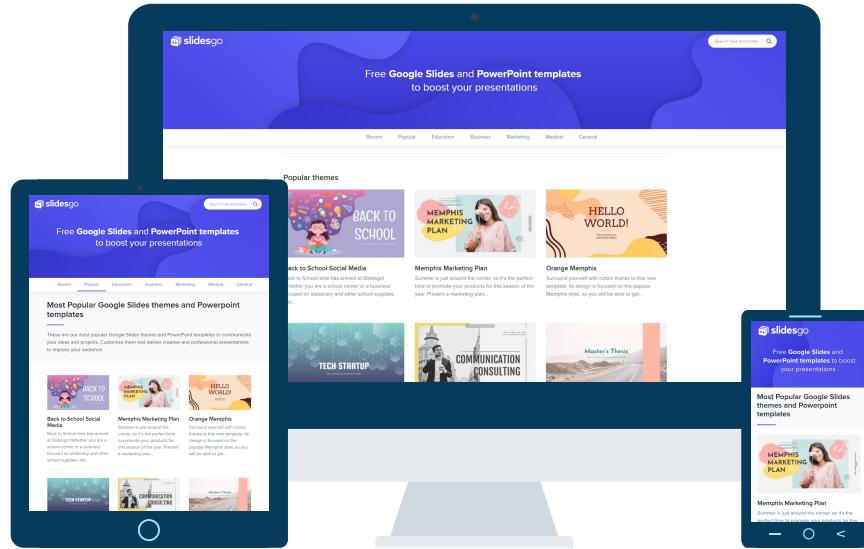
"Neptune is the fourth-largest planet in our Solar System"



MOCKUPS

...

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AWARDS



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

AWARD

• • •



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

AWARD

• • •



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

AWARD

• • •

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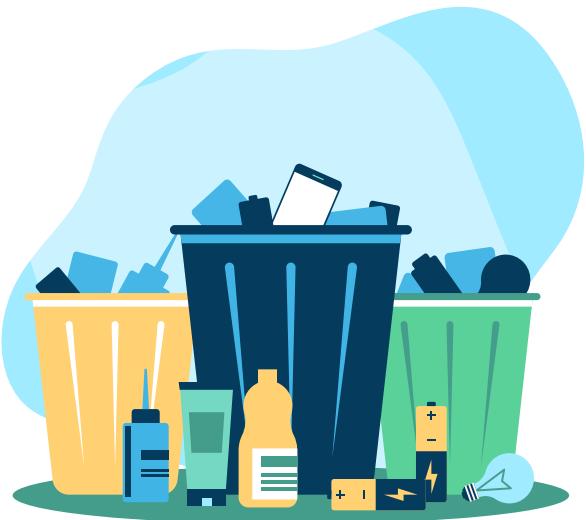
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ALTERNATIVE RESOURCES



ALTERNATIVE RESOURCES



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PHOTOS:



- Windmills in field
- Hands holding earth globe

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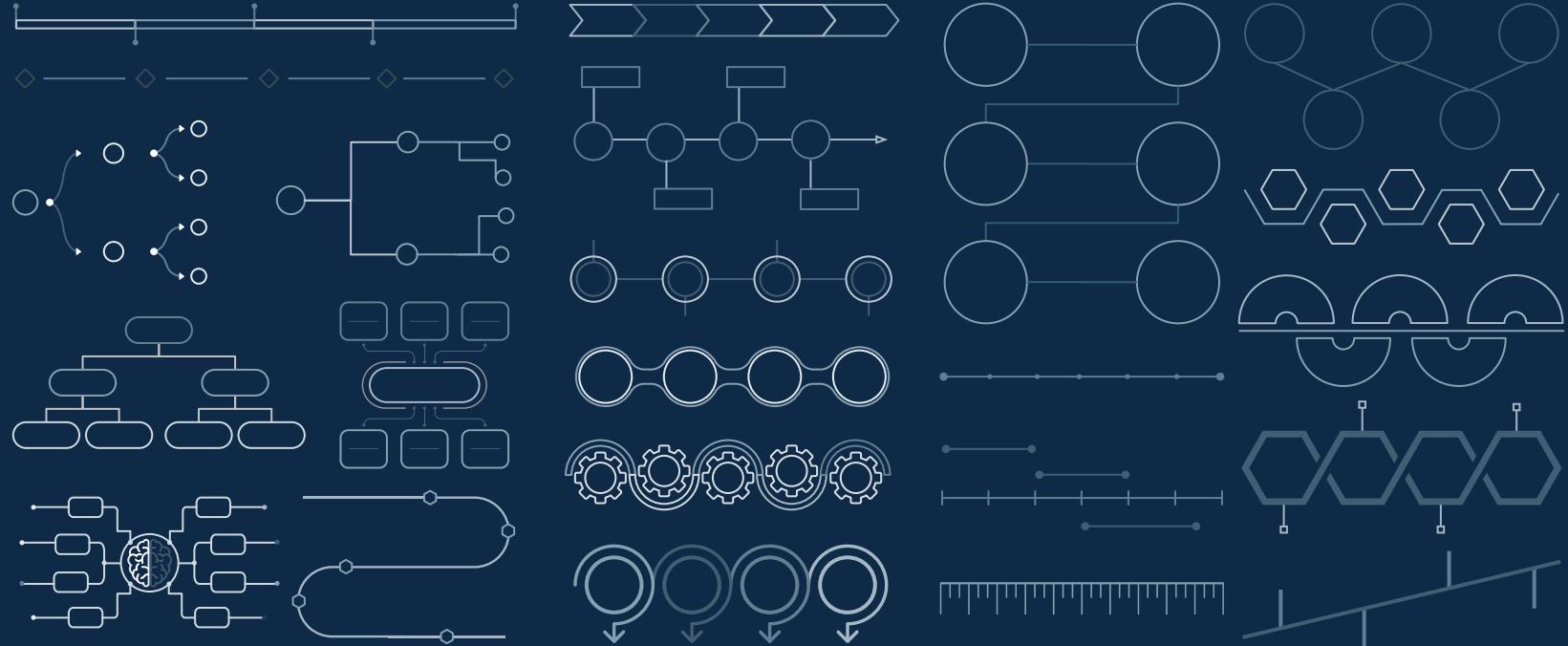
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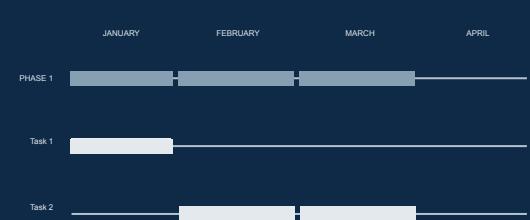
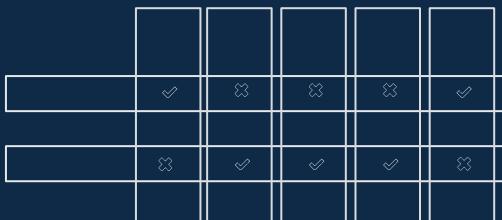
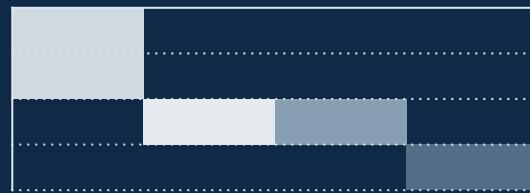
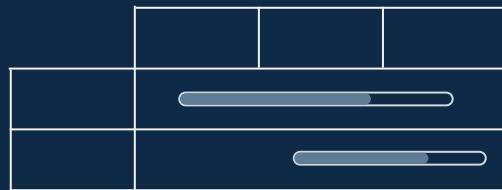
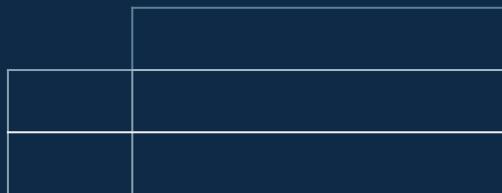
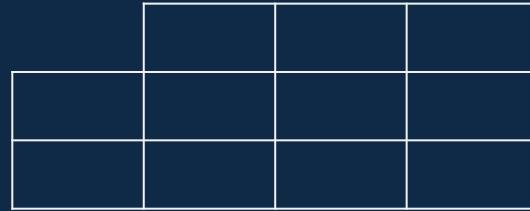
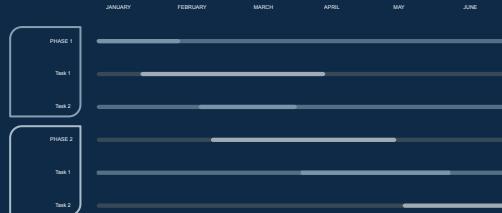
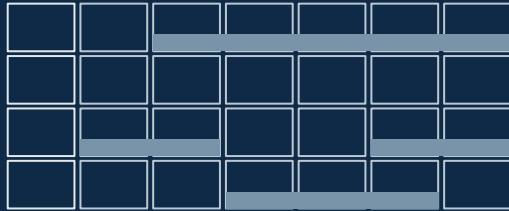
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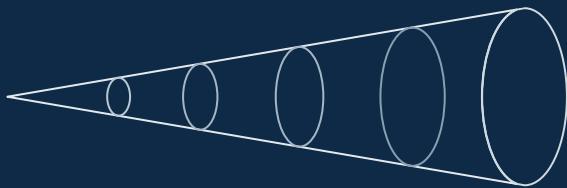
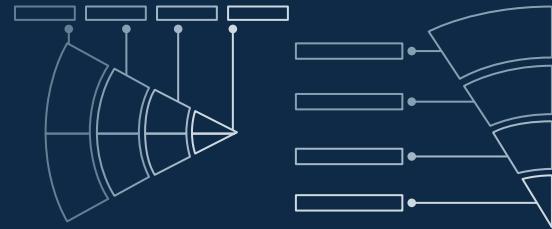
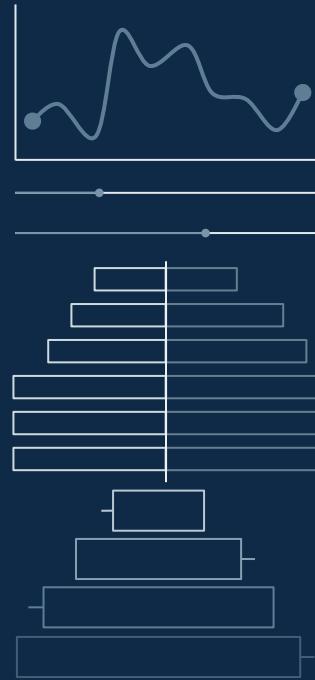
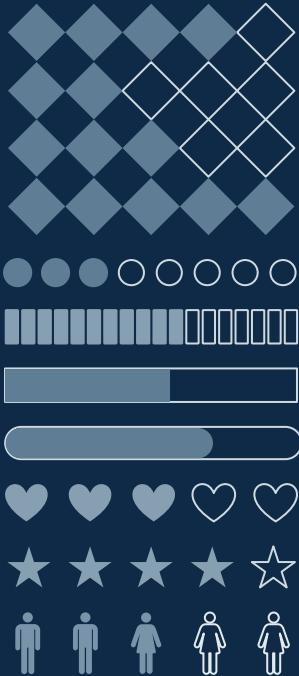
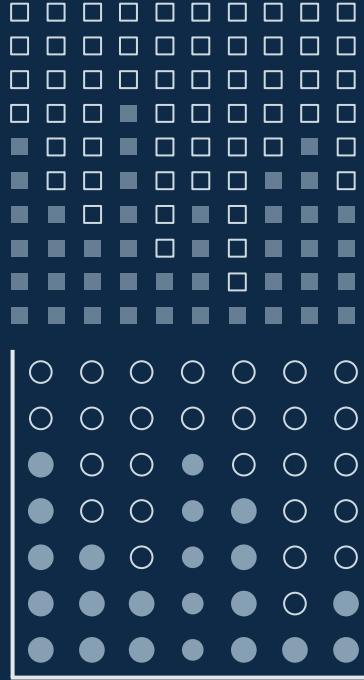












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