

Clearote

*Simplifying Elections
Strengthening Communities*



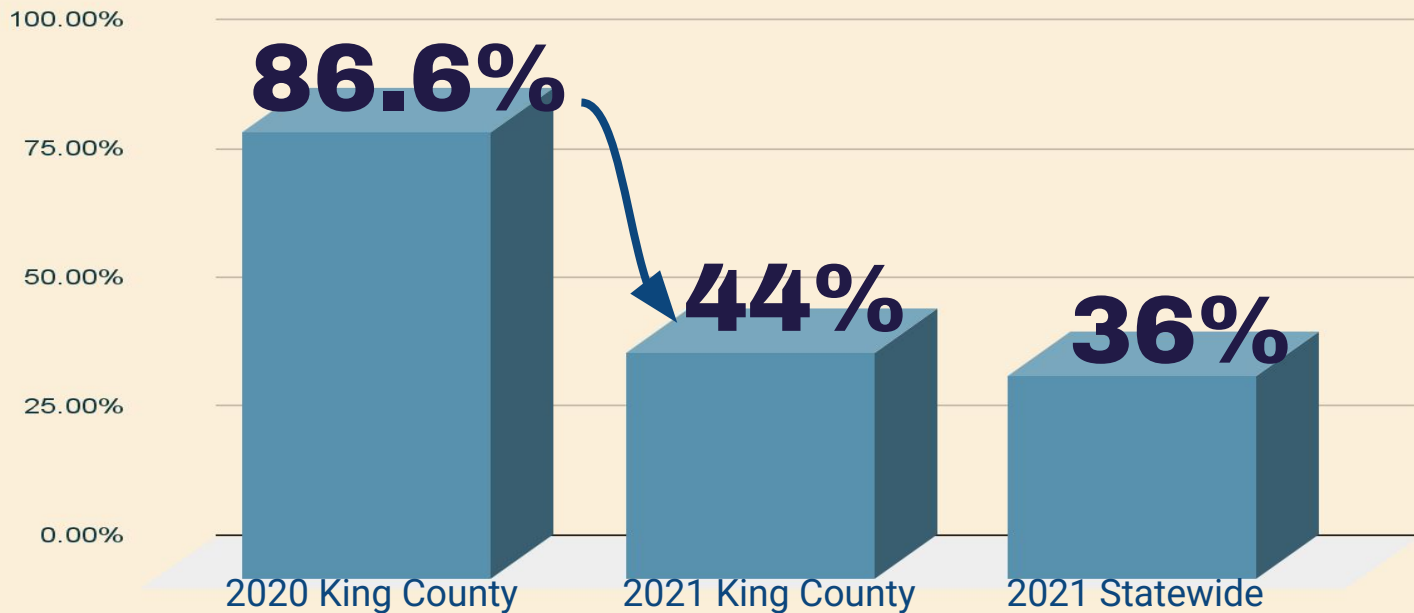
The Problem? Voter Turnout

Presidential Election

2020

Just One Year Later...

2021



What's the Cause?

- We believe voters want to make the right decision
- Importance of local elections is understated in media
- Info is there, but indigestible and spread across the internet and voters pamphlets
- Information Overload
 - What do candidates actually represent??
 - How do I sift through the pamphlet correctly??



What We Want for Local Elections



**Candidate Info
in One Spot**



**Credibility,
Transparency**



**Return focus
to Community**

Web App

High Level Steps

Breaking it down

1

Candidate Info

Scraping the web for candidate data; the Politigram

2

Geodata

Being able to map WA voters to their districts

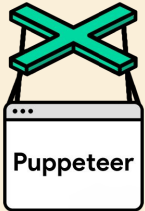
3

Front end

Displaying all this info intuitively

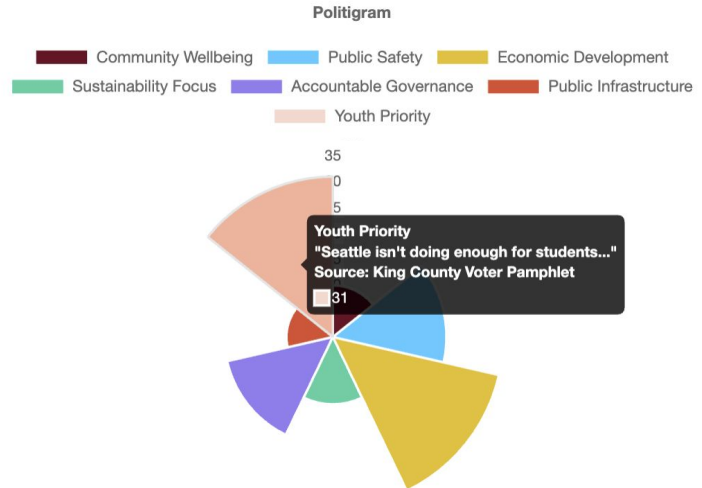
Scraping the Web & Politigram!

```
{
  "election_id": 1,
  "election_type": "primary",
  "voting_start": 20230714,
  "register_by": 20230724,
  "voting_end": 20230801,
  "contests": [
    {
      "position_info": {
        "boundary_type": "county council",
        "title_string": "county council",
        "area_name": "King",
        "district_char": "4",
        "position_char": null
      },
      "candidate_info": [
        {
          "name": "Becka Johnson Poppe",
          "image": "https://info.kingcounty.gov/kcelections/vote/contests/GetPhoto.ashx?webapiaddress=https://websvc.
          "website": "www.votebecka.com",
          "email": "beckapoppe@gmail.com",
          "education": "Master of Public Administration, and Certificate in Environmental Management, UW Evans School
          "occupation": "King County Budget and Policy Manager",
          "statement": "I know what it takes to move progressive policy forward in King County because I've been doing
          "statement_source": "King County voter pamphlet",
          "campaign_donations": [{"British Petroleum": 500000}, {"Individual Contributors": 11205}],
          "donation_sources": [{"Washington State Auditor"}, {"Federal Elections Commission"}],
          "pfags": [{"environment": 0.0890}, {"economics": 0.3121}, {"education": 0.1148}, {"budget": 0.4001}, {"zoning
          "politigram_quotes": [{"sustainability_focus": "I direct half the County's $16 billion budget, including met
        },
        {
          "name": "Jorge L. Bar\u00f3n",
          "image": "https://info.kingcounty.gov/kcelections/vote/contests/GetPhoto.ashx?webapiaddress=https://websvc.
          "website": "www.electjorgebaron.com",
```



Voter Pamphlet Data

Scraped candidate data from
online voting pamphlets → JSON



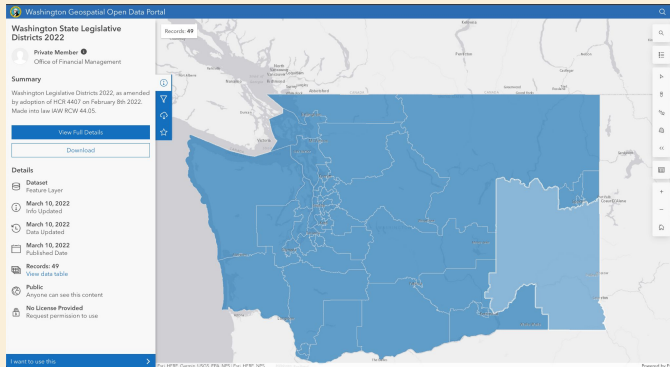
The Politigram

Inspired by the enneagram;
condenses political focuses

Mapping Voters to their Precincts

Finding Data

Official boundary info from .gov sites



Combining

Use geopandas to combine into one query-able table



Querying

Given coordinate, can give the client their district info

```
map = districts.explore()
# print(map.layers)
folium.Marker([location[0], location[1]], icon=folium.Icon(color="red"), radius=8, popup=popup).add_to(map)
for disty, color in zip(["school_district", "county", "congressional_district", "city", "legislative_district"], colors):
    dist_id = result[disty]
    if dist_id != np.nan:
        dist_info = state_tables[disty].iloc[int(dist_id)-1]
        dist_info = dist_info.to_json()
        map.add_child(
            folium.GeoJson(data=dist_info, style_function=lambda x: {'fillColor': color, 'lineColor': color}, name=dist, tooltip=dist_info["name"])
        )
folium.LayerControl().add_to(map)
map
```



Building out the Frontend

First draft

November 8, 2022
General and Special Election

On your ballot

County

Assessor

John Wilson
Running for re-election

Director of Elections

Julie Wise
Running for re-election

Doug Basler
Running for re-election

Metropolitan King County Council District No. 2

Girmay Zahlay
Running for re-election

Court of Appeals, Division 1, District 1

Judge Seat 1

Julie Wise
Running for re-election

Doug Basler
Running for re-election

Judge Seat 2

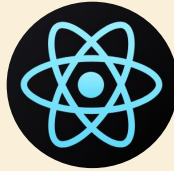
Julie Wise
Running for re-election

Doug Basler
Running for re-election

Port of Seattle

City

School



Where we are now

ClearVote About Support

University of Washington, Seattle, WA

Upcoming Election

November General and Special Election

A general election and a special election are both types of elections, but they serve different purposes and occur under different circumstances.

What's the difference between a general and special election?

Dates and Deadlines

Event	Date	Details
Ballot Issues	Oct 30, 2022	Get registered voters
Deadline for voter registration	Nov 7, 2022	Get registered voters
Nov 7	Nov 7, 2022	Nov 7, 2022

On your ballot...

County Court of Appeals Port of Seattle City School

Showing contests for: King County

Assessor

Responsible for assessing the value of property within a county for taxation purposes.

John Wilson
Running for re-election

Director of Elections

Responsible for overseeing and managing the electoral process at the county level.

Julie Wise
Running for re-election

Doug Basler
Running for re-election

Council District No. 2

Responsible for making policies, passing ordinances, and overseeing the administration of various county functions.

Girmay Zahlay
Running for re-election

Next Steps

- Set up our backend server (Flask? fastAPI?)
- Connect all the parts so that the frontend can request info from the backend
- Expand our social media presence and get feedback from end users
- Collect more geodata (goal: expand to the whole state)



ClearVote

*Simplifying Elections
Strengthening Communities*



Thank you!!!

Community service project proposal infographics

**Kelly C.
Knowlton**

Jupiter is the biggest
planet of them all



**Harry E.
Hadsell**

Pluto is considered a
dwarf planet

Th

**Maria P.
Packer**

Mercury is the closest
planet to the Sun



**Denise T.
Boyd**

Venus has a nice name
but is hot

Candidate Info



Pluto is considered a
dwarf planet

Week 2



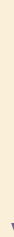
Week 3

Saturn is a gas giant
with several rings



Ceres is in the main
asteroid belt

Week 4



Week 5

Neptune is very far
away from us



Community service project proposal infographics

About the project



01

Mercury

Mercury is the smallest planet



02

Neptune

Neptune is far away from Earth



03

Jupiter

Jupiter is the biggest planet



04

Saturn

Saturn is the ringed planet

Community service project proposal infographics

Testimonials



“Jupiter is a gas giant and the biggest planet in the entire Solar System”

—Sara James

“Mars is full of iron oxide dust, which gives the planet its reddish cast”

—Toni Habbish



Community service project proposal infographics

Now



Needs



Jupiter is a gas giant and the biggest planet

Abilities



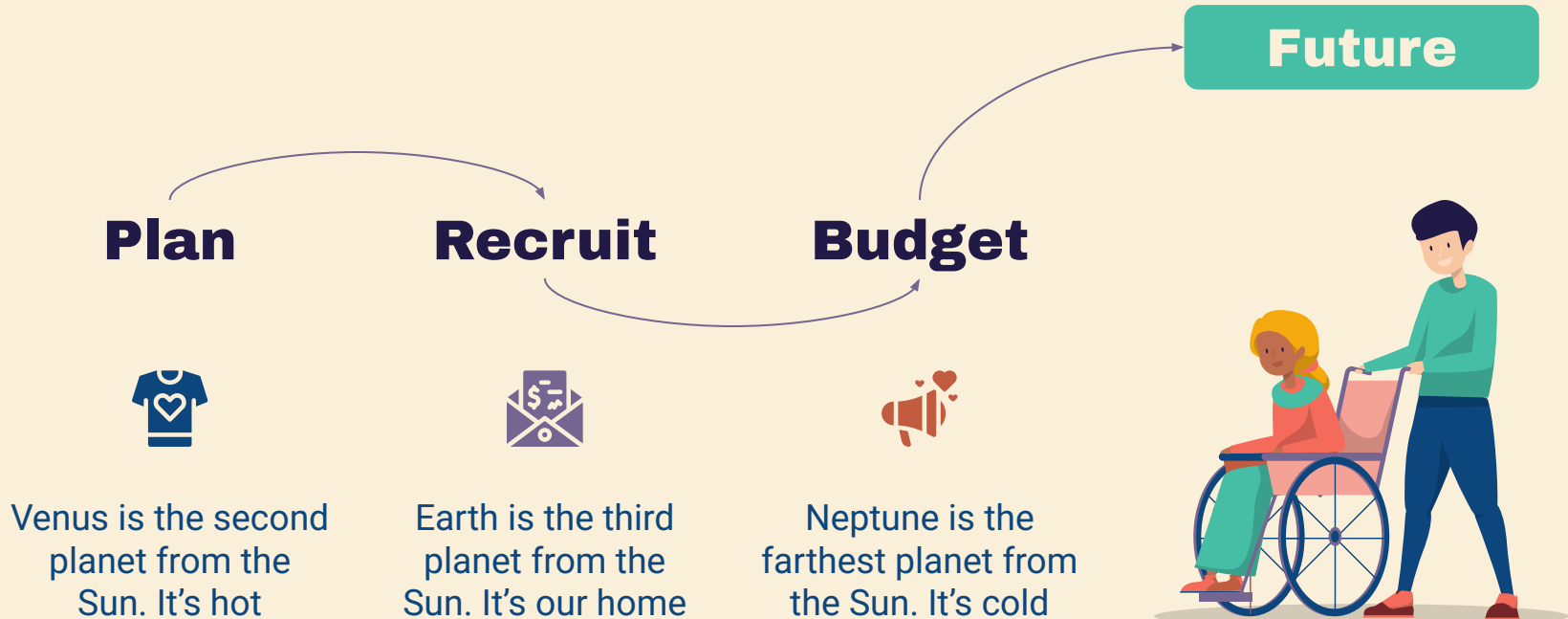
Mercury is the smallest planet of them all

Project

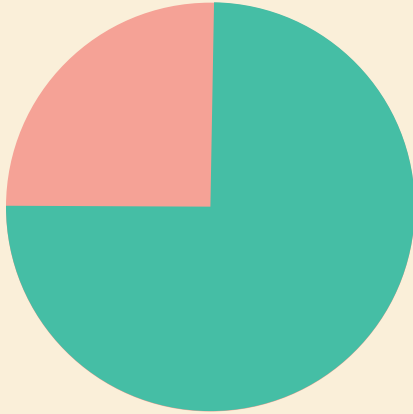


Saturn is a gas giant that has several rings

Community service project proposal infographics



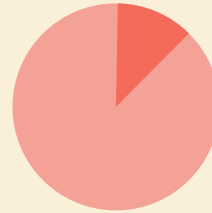
Community service project proposal infographics



<75%
Total budget
From 2023

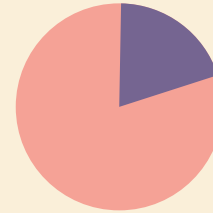
2024

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



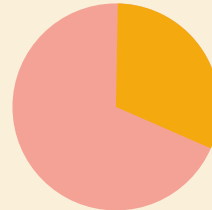
Q1

<10%



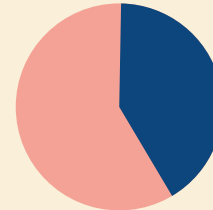
Q2

<20%



Q3

<40%



Q4

<30%

Community service project proposal infographics

Project goals

Long-term

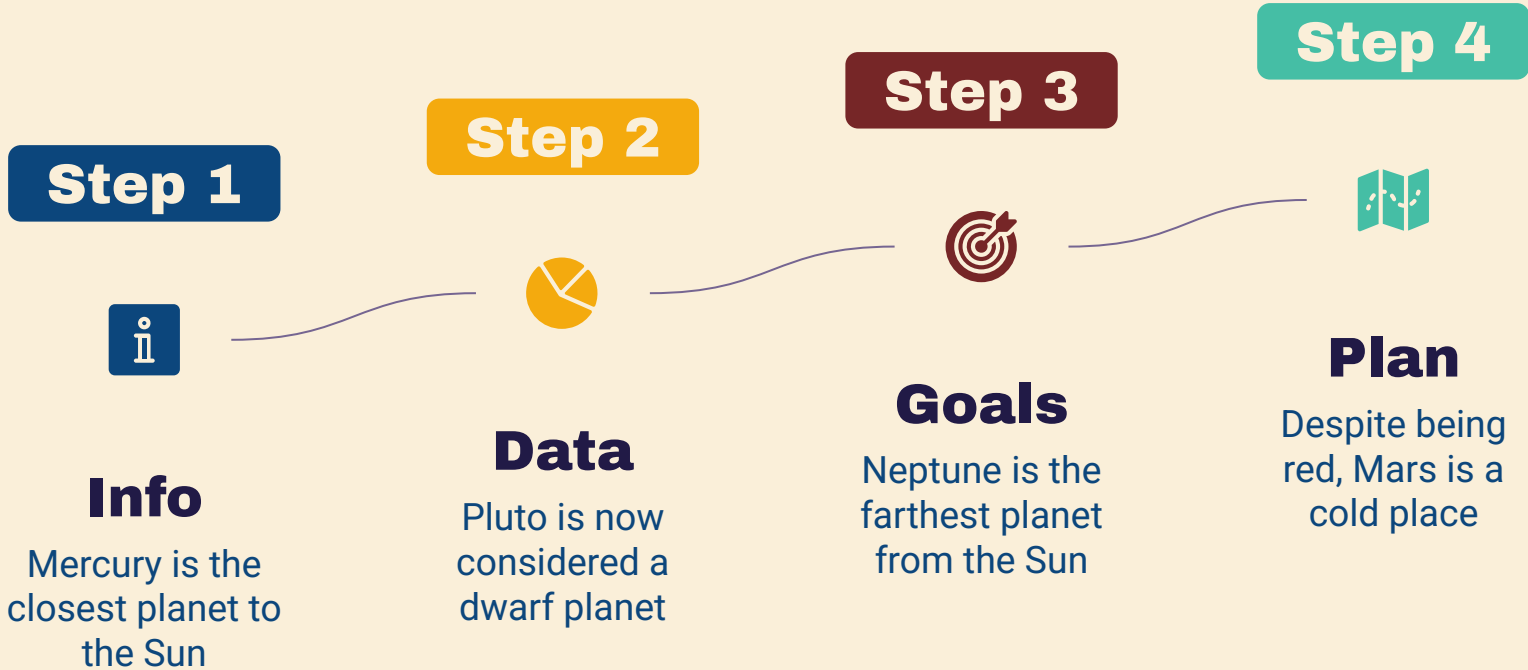
- Neptune is the farthest planet from the Sun
- Despite being red, Mars is a cold place
- Saturn is a gas giant and has several rings



Short-term

- Pluto is now considered a dwarf planet
- Earth is the third planet from the Sun
- Ceres is located in the main asteroid belt

Community service project proposal infographics



Community service project proposal infographics



Day 1

Mercury is the smallest planet



Day 2

Despite being red, Mars is cold



Day 3

Jupiter is the biggest planet



Day 4

Neptune is far away from us



Day 5

Saturn is a gas giant with rings

Community service project proposal infographics

Our partners	University	Neptune is the farthest planet from the Sun	
	Administration	Jupiter is a gas giant and the biggest planet	
	Hospitals	Despite being red, Mars is a cold place	
	Professionals	Pluto is considered a dwarf planet	
	Social entities	Venus has a beautiful name but is hot	

Community service project proposal infographics

**Kelly C.
Knowlton**

Jupiter is the biggest
planet of them all



**Harry E.
Hadsell**

Pluto is considered a
dwarf planet

Team members

**Maria P.
Packer**

Mercury is the closest
planet to the Sun



**Denise T.
Boyd**

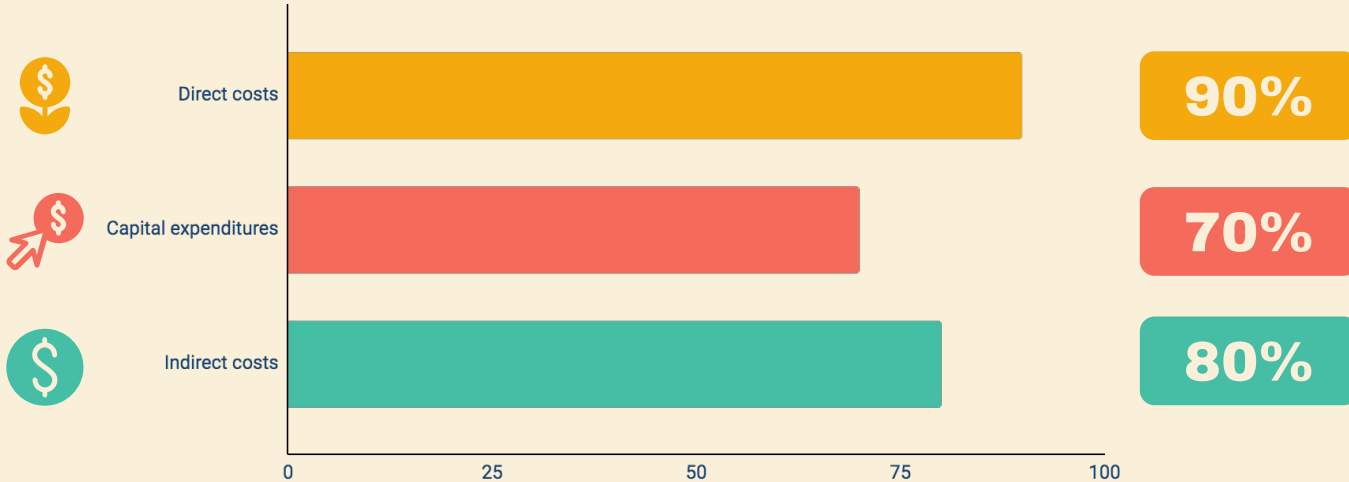
Venus has a nice name
but is hot

Community service project proposal infographics

Budget

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

\$45,600



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

Community service project proposal infographics

Predicted results



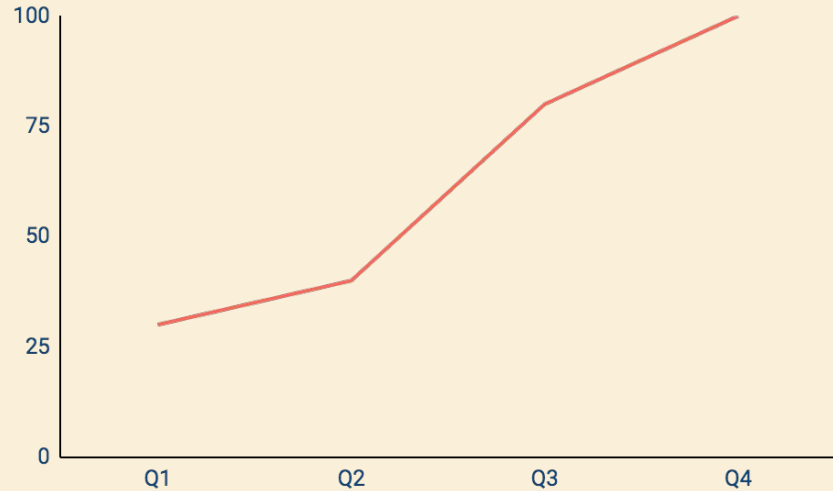
\$35,000

Expected income



150

New employees



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Community service project proposal infographics



Jupiter is the biggest planet of them all

Process

01



Mercury is the smallest planet of them all

Budget

02



Venus has a very beautiful name

Goals

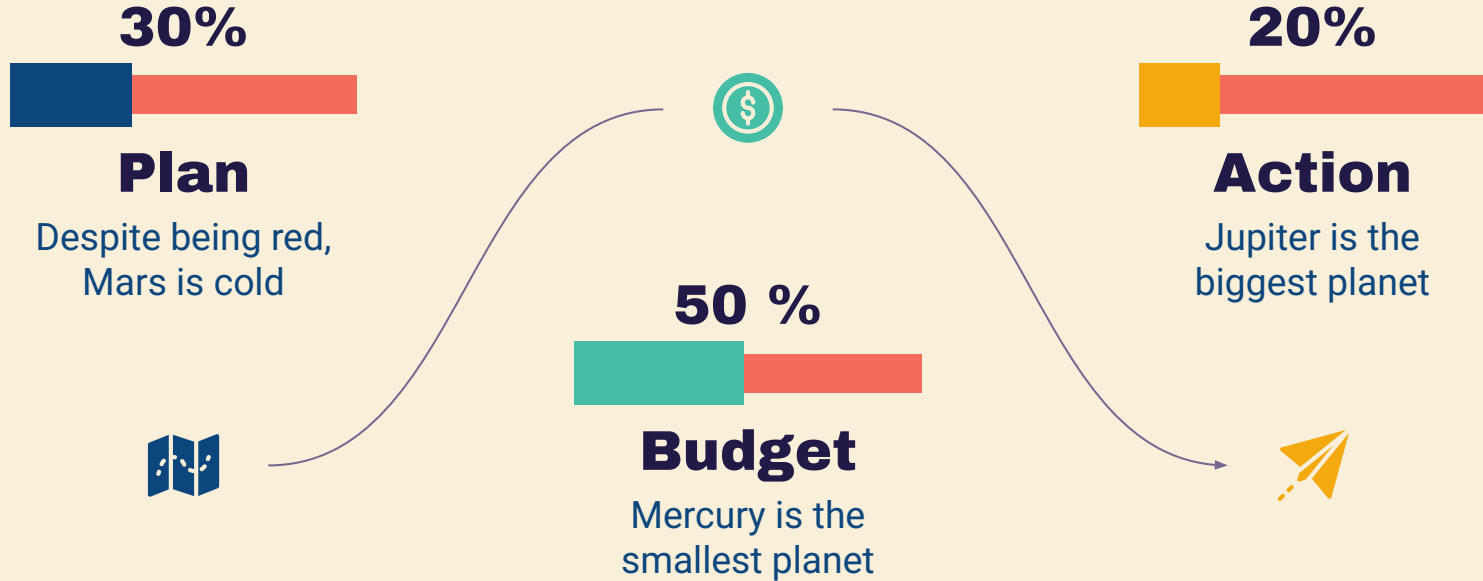
03

Sneak peek

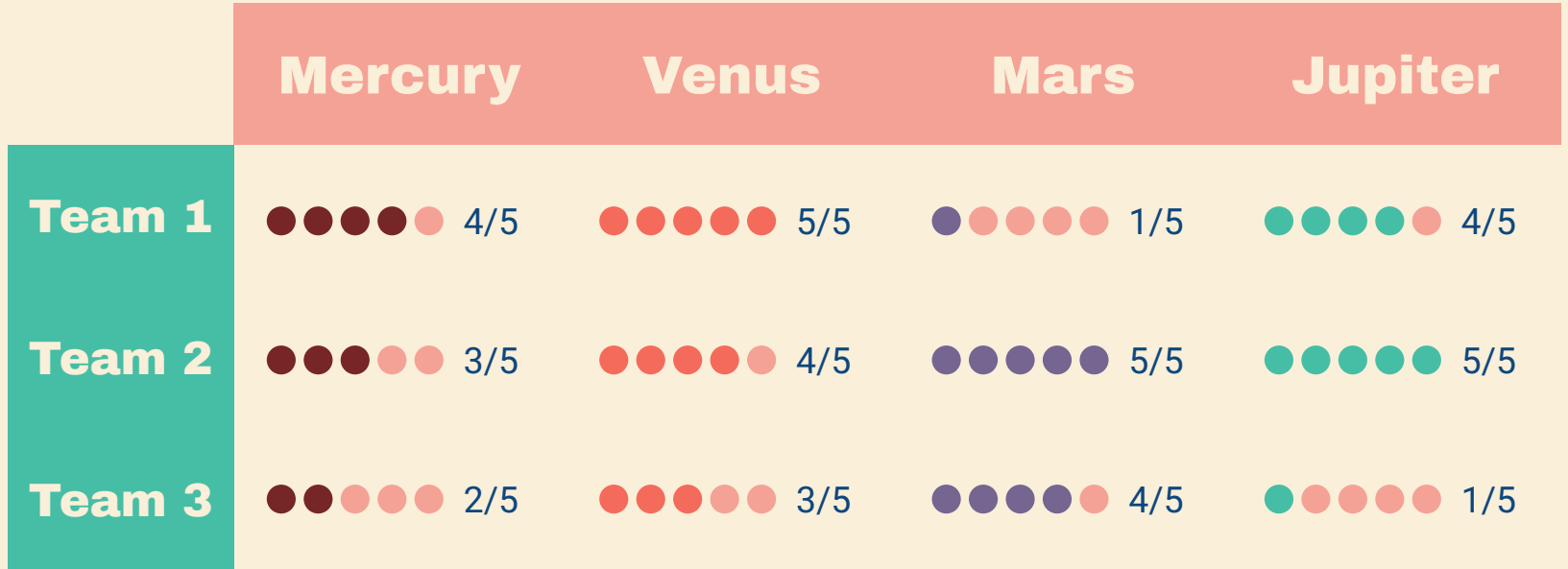


Community service project proposal infographics

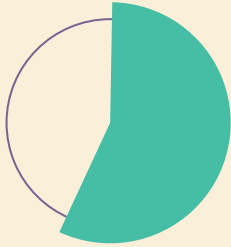
Project stages



Community service project proposal infographics



Community service project proposal infographics



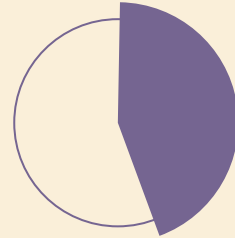
Goal 1

60%

- Jupiter is the biggest planet of them all
- Mercury is the closest planet to the Sun



Project goals



Goal 2

40%

- Pluto is considered a dwarf planet
- Earth is the third planet from the Sun

Community service project proposal infographics

Work

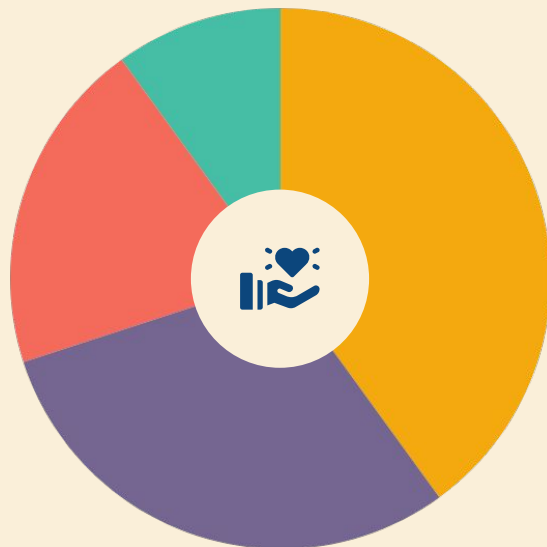
Jupiter is a gas giant and the biggest planet

10%

Education

Venus has a beautiful name but is hot

20%



Poverty

Mercury is the closest planet to the Sun

40%

Health

Earth is the third planet from the Sun

30%

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

Community service project proposal infographics



Our company



Mission

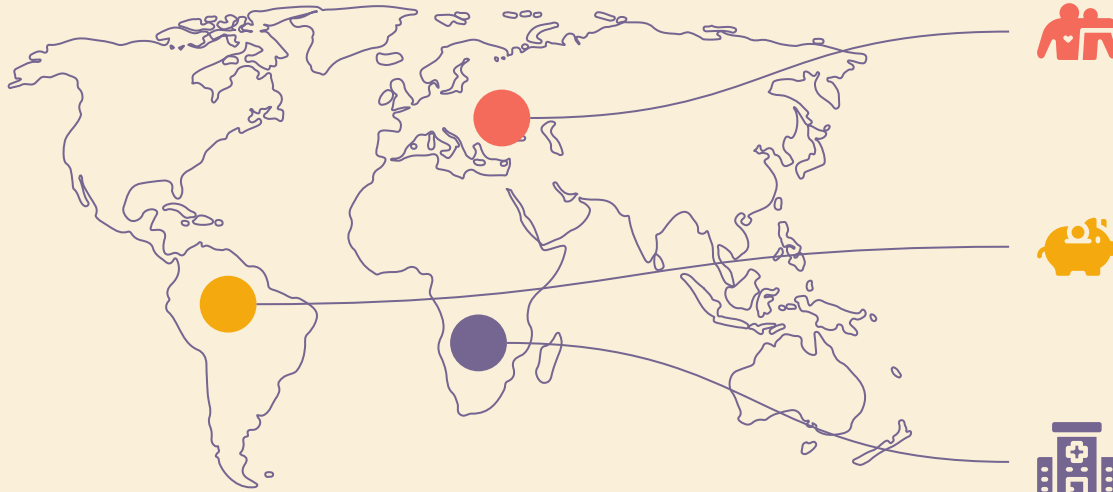
Saturn is a gas giant and has several rings. It's composed mostly of hydrogen and helium



Vision

Earth is the third planet from the Sun and the only one that harbors life in the Solar System

Community service project proposal infographics



Refugees

Neptune is the farthest planet from the Sun

Poverty

Jupiter is a gas giant and the biggest planet

Illness

Despite being red, Mars is a cold place

Community service project proposal infographics

Major requirements



Joy

Venus has a beautiful name but is hot



Effort

Mercury is the closest planet to the Sun



Devotion

Earth is the third planet from the Sun



Community service project proposal infographics

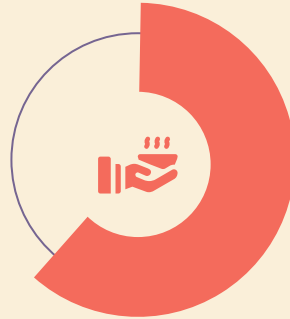
75%



Planet

Jupiter is the biggest planet

65%



Poverty

Neptune is far away from Earth

60%



Health

Mercury is the smallest planet

Community service project proposal infographics

\$83,900

Environment

Jupiter is a gas giant and the biggest planet



\$21,800

Fundraising

Mercury is the closest planet to the Sun



\$35,500

World peace

Neptune is the farthest planet from the Sun



\$43,700

Diffusion

Despite being red, Mars is a cold place



Budget

Community service project proposal infographics

Venus has a beautiful name but is hot

Day 1



Day 2

Earth is the third planet from the Sun

Jupiter is a gas giant and the biggest planet

Day 3



Day 4

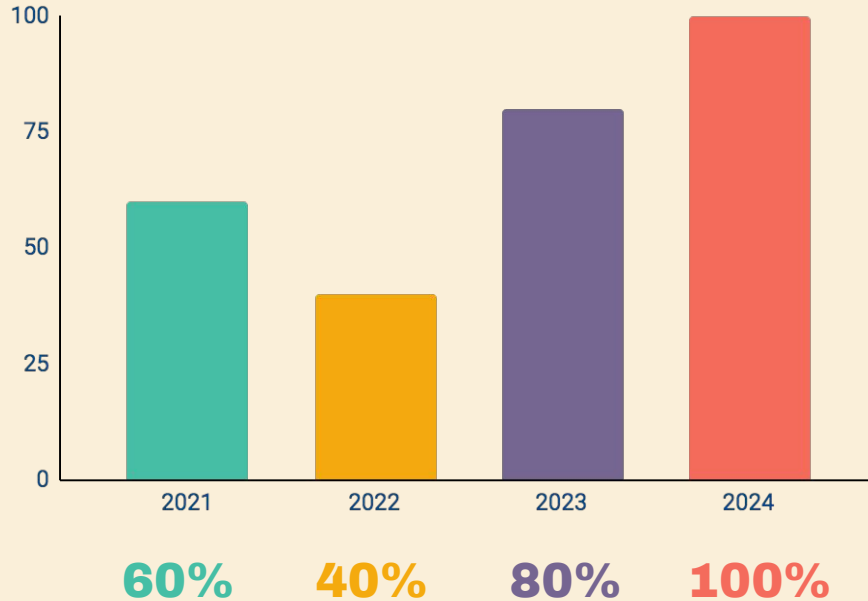
Neptune is far away from Earth

Mercury is the closest planet to the Sun

Day 5



Community service project proposal infographics



Fundraising

Saturn is a gas giant and has several rings. It's composed mostly of hydrogen and helium

<40%

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

Community service project proposal infographics

Sneak peek

Jupiter is a huge gas giant named after the Roman god of the skies and the lightning



Services



People



Project



Community service project proposal infographics

Our plans	Patron	Donor	Sponsor
Description	Jupiter is the biggest planet of them all	Mercury is the closest planet to the Sun	Despite being red, Mars is a cold place
Advantages	Earth is the third planet from the Sun	Neptune is far away from Earth	Venus has a beautiful name but is hot
Price	\$19	\$29	\$49

Community service project proposal infographics

About the project



Now

Earth is the third planet from the Sun and the only one that harbors life in the Solar System



Future

Jupiter is a huge gas giant named after the Roman god of the skies and the lightning



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- **Change the color** by clicking on the paint bucket.
- Then **resize** the element by clicking and dragging one of the square-shaped points of its bounding box (the cursor should look like a double-headed arrow). Remember to hold Shift while dragging to keep the proportions.
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