

DASH Data Visualization

Presented by Sasi Bejrakashem



What is DASH?

Dash is an open-source tool made by Plotly that helps you:

- Build interactive web apps using only Python
- Create charts, filters, and dashboards easily
- No need to know HTML, CSS, or JavaScript

It's great for turning data into apps you can explore and share

Why would we use Dash?

We use Dash because:

- It makes data visual and interactive
- It's easy to build apps with just Python
- It lets us add dropdowns, sliders, and buttons
- We can update graphs in real time
- It works well with Pandas, Plotly, and Jupyter

How to get started with Dash

01

Install Dash

pip install dash

02

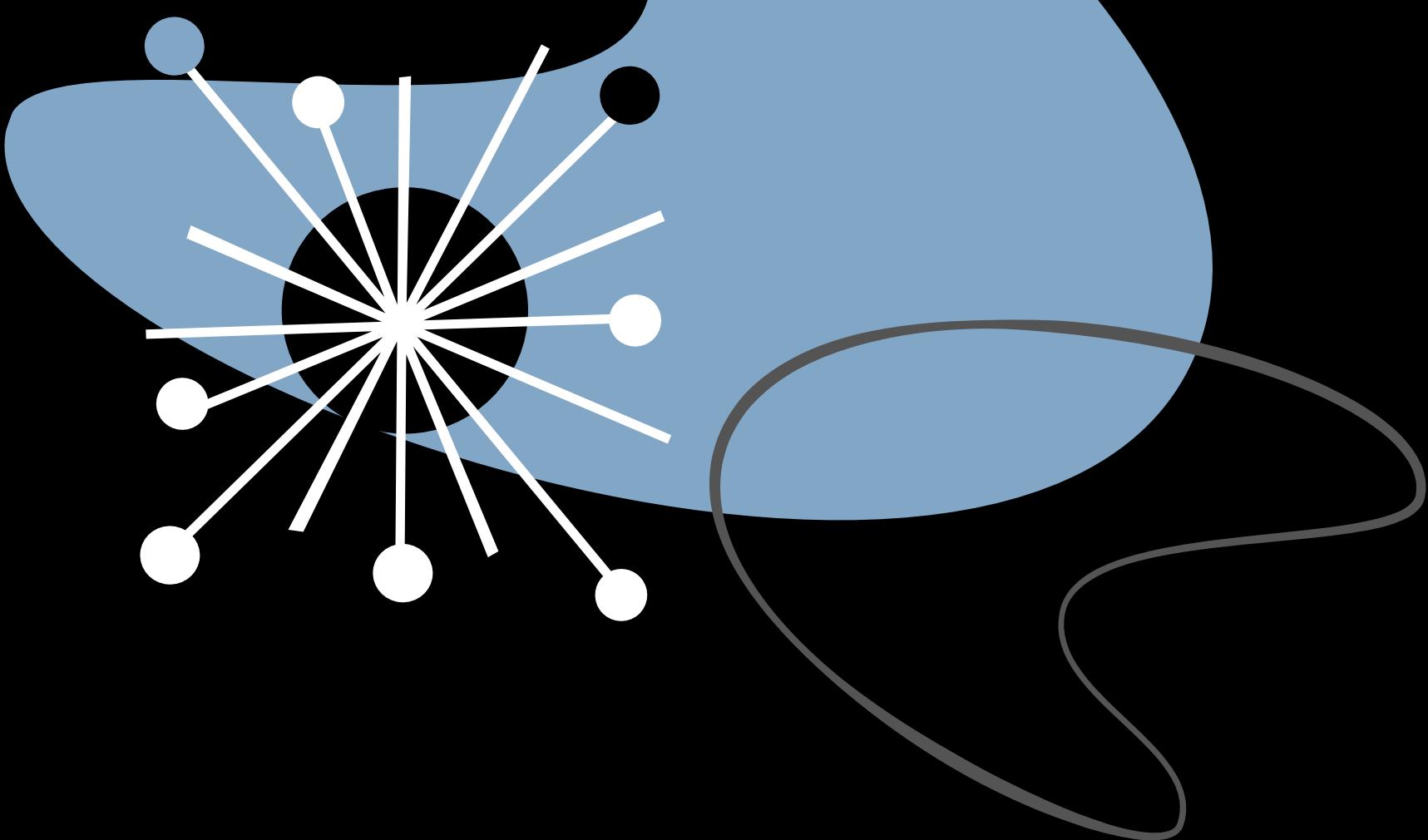
Build the layout

Use Dash
components

03

Add interactivity

Use a callback
function to link inputs
(like dropdowns) to
outputs (like graphs).



Project overview

Dataset:

Hourly bikeshare data with:
Month and hour of each ride
Temperature and weather info
Number of casual vs registered riders

What the Dashboard Does:

- Dropdown to select a month
- Bar chart: Bikers by hour
- Pie chart: Registered vs Casual
- Line chart: Temperature vs bikers (feels-like temp)

Goal:

Let users explore when people ride bikes and how the weather affects it

THANK YOU

SASI BEJRAKASHEM