

The background is black with several abstract elements. In the top left, there are three small, four-pointed starburst shapes in blue, yellow, and grey. A large, light blue, curved shape resembling a stylized 'D' or a comet tail is positioned on the right side. In the bottom right corner, there is a large, complex starburst or sunburst pattern made of many thin, grey lines radiating from a central point.

# DASH

# Data Visualization

Presented by Sasi Bejrakashem



# What is DASH?

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

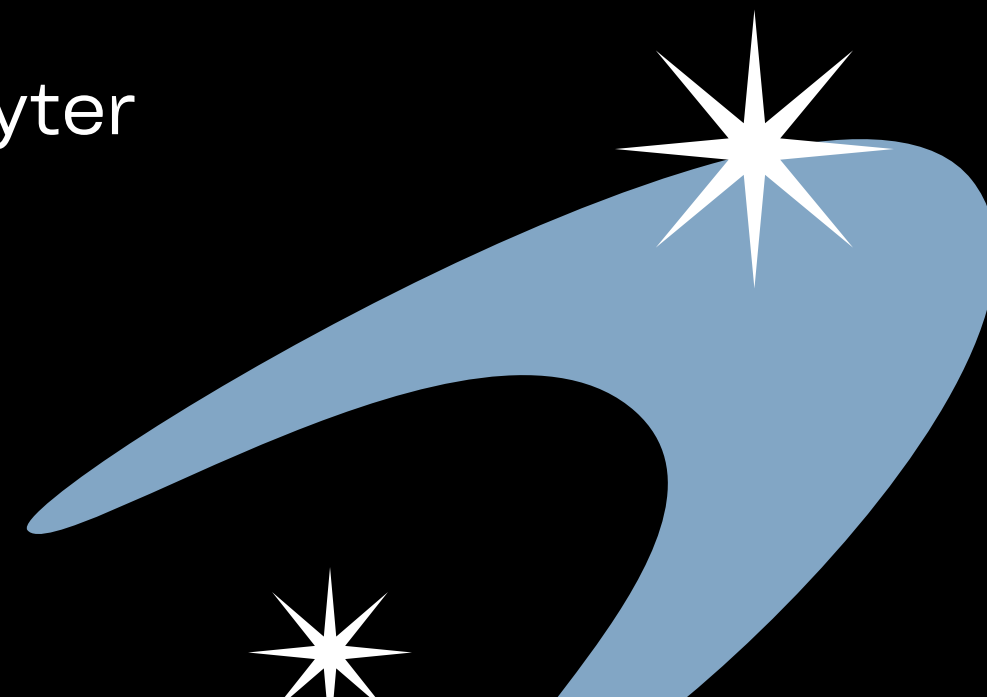
- Build interactive web apps using only Python
- Create charts, filters, and dashboards easily
- No need to know HTML, CSS, or JavaScript

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**

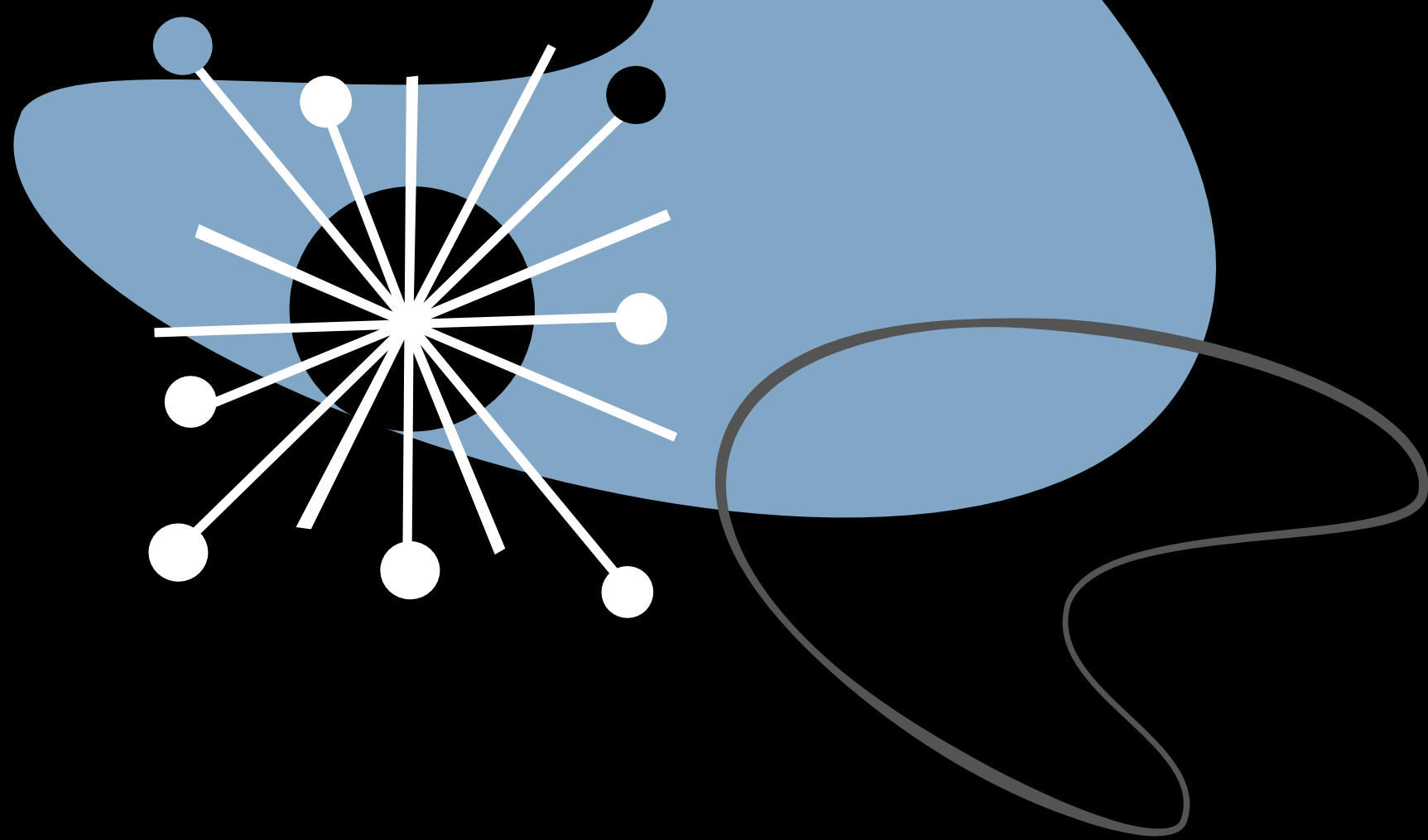
**Install Dash**  
pip install dash

**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

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