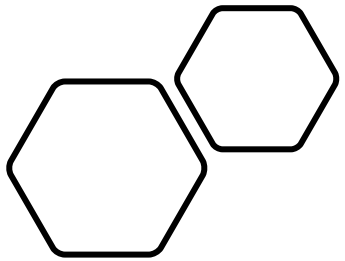
Dockerized Apps on Google Cloud



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Overview

Build apps in the following framework

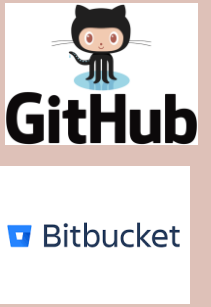
R Shiny

Flask

Streamlit

Deploy all apps at once

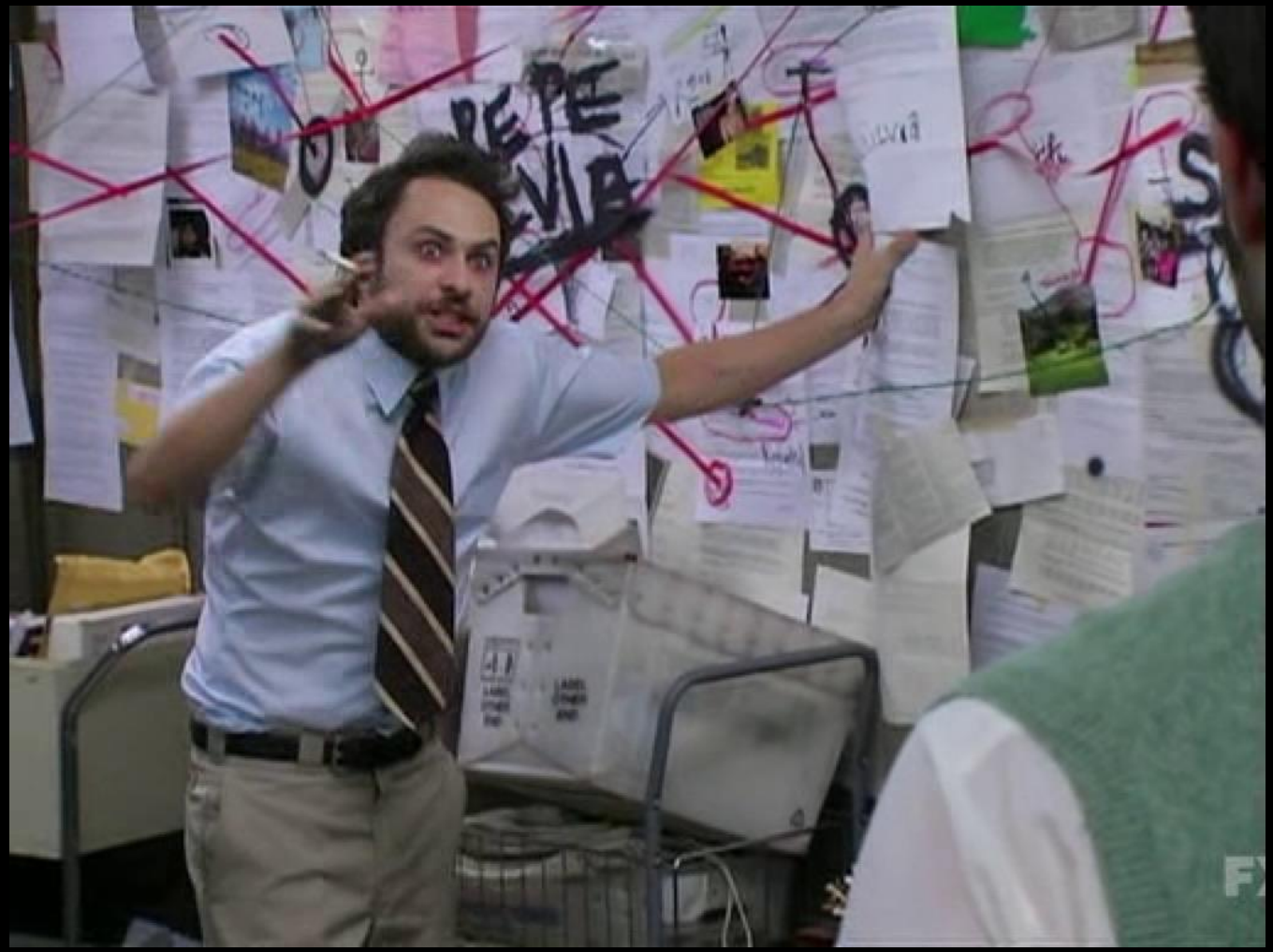
Deploy app from Github or Bitbucket on Google Cloud via Cloud Run



Framework Comparisons

Framework	Language	Usefulness	Ease
Shiny	R	7	7
Flask	Python	9	5
Streamlit	Python	6	7

Which do I choose?



- **Code Structure**

- UI

- Server

- Backend: Javascript & CSS

- **Popularity**

Academics & Data Scientists

- **Use Cases**

Analysis to Web App easily

Popularity

- API & Web interface
- HTML Templates
- Routing
- Most Robust

Use Cases

- Full Service SaaS business

Popularity

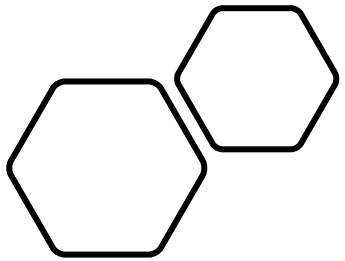
- UI Components
- Server functions are defined as Python functions
- Lacks backend features

Use Cases

- Easy Analysis to App

Docker is a gamechanger

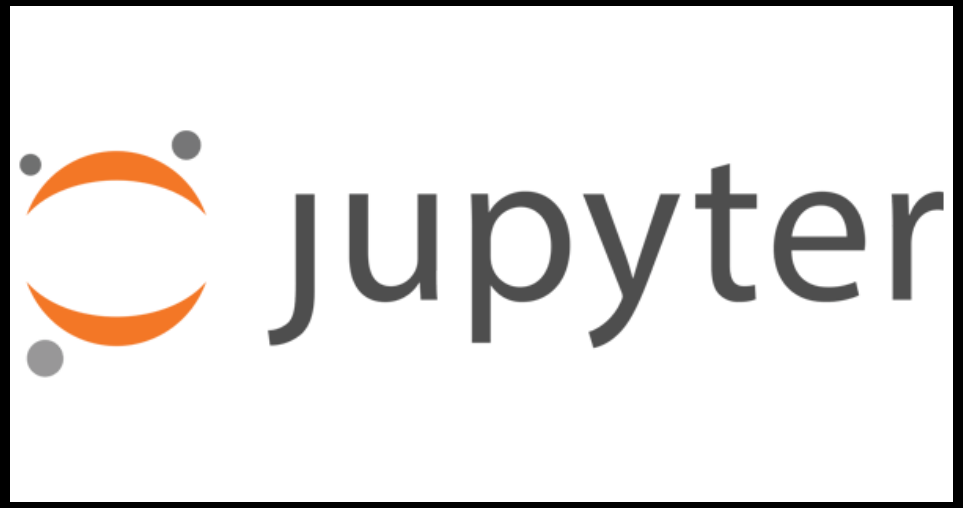
Deploy Apps on GCP



Using Cloud Run

Bonus

Jupyter Notebook



Contact

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