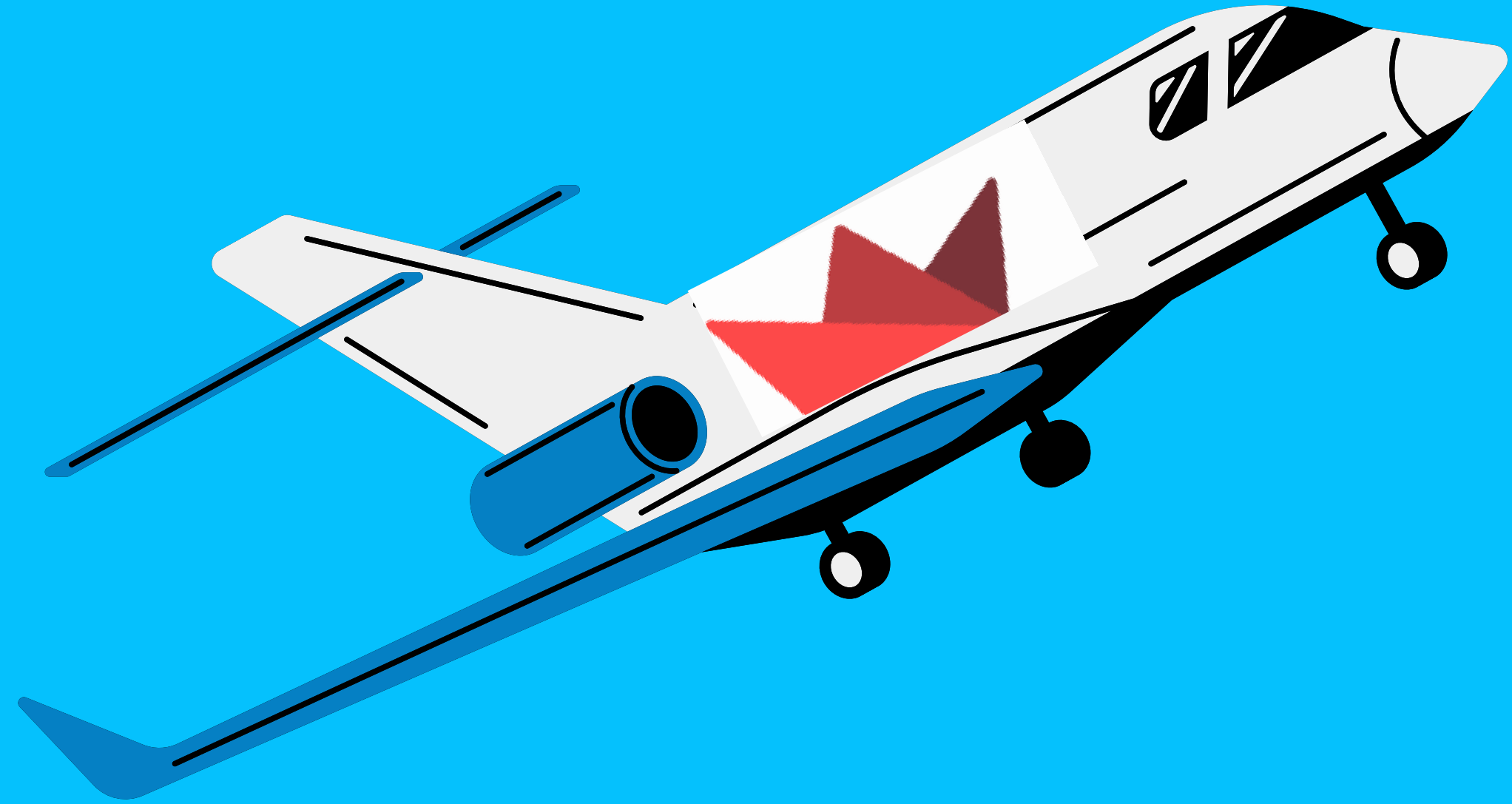


REVOLUTIONIZE YOUR DATA ANALYSIS WITH STREAMLIT



HOW TO CREATE INTERACTIVE VISUALS IN MINUTES

WHAT PROBLEM WE'RE FACING



DEPLOYING ANALYSIS DATA & VISUALS

After designing the dashboard and making it ready for consumption, deploying it requires support of many people. Design, Deploy and Field test cycle is longer.

SERIES OF PROBLEM

- DATA HOSTING
- VISUAL HOSTING
- INTERACTIVITY
- DATA MODIFICATION
- SECURITY

PYTHON ECOSYSTEM : STREAMLIT

HOW TO GET IT INTO MY OS?

- Install Python
- The do "pip install streamlit"

WHERE CAN I LEARN ABOUT STREAMLIT

- Github streamlit
<https://github.com/streamlit/streamlit>
- Streamlit API Reference
<https://docs.streamlit.io/library/api-reference>
- This Video

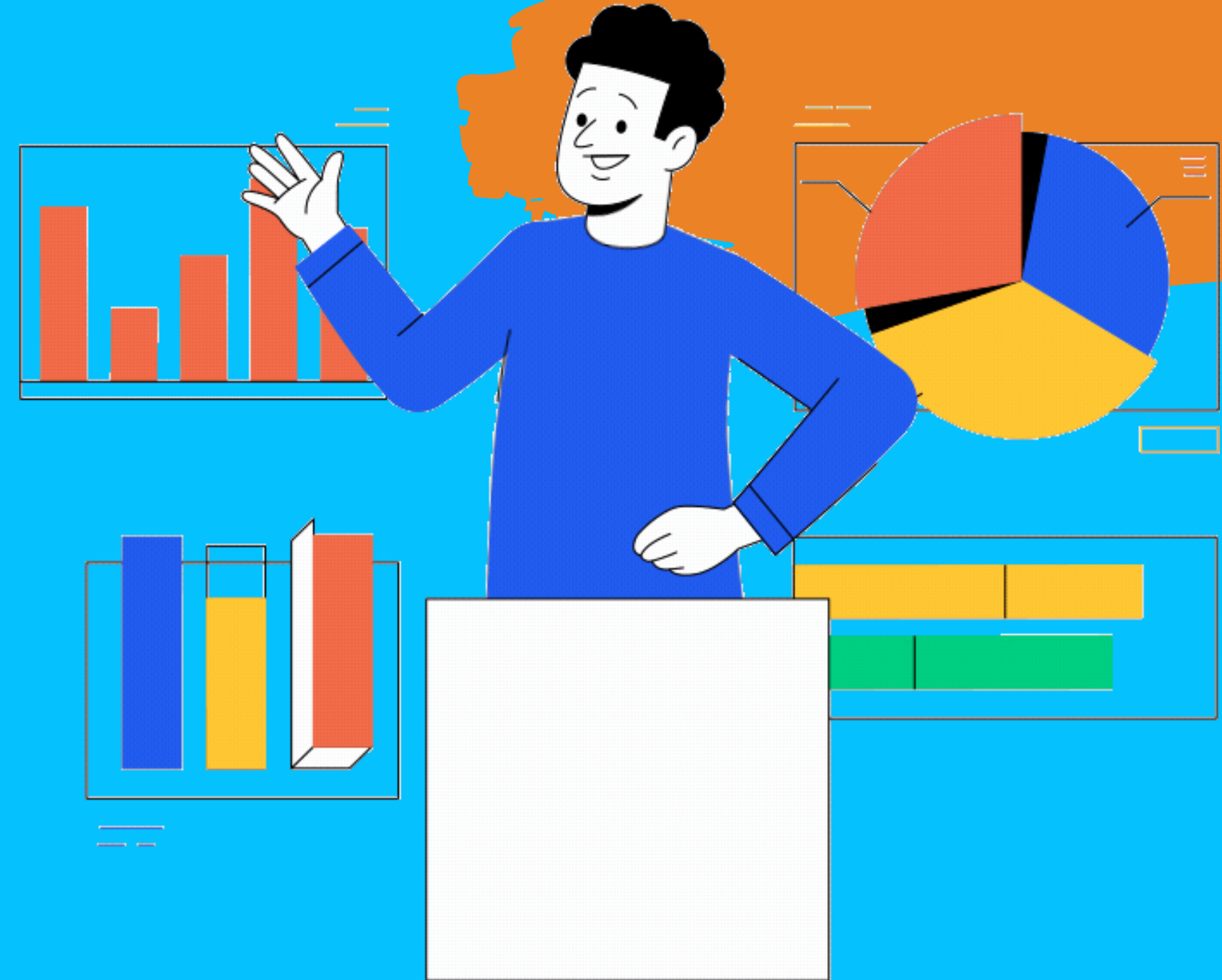
BIG DATA ALTERNATIVE : SUPERSET

DASHBOARD STARTER

01

CHARTS

- Bar Charts with stacks / groups
- Line Charts / Area Charts
- Scatter plots
- Graph visualisation



02

TEXT AND DATA

- Showing Dataframes
- Creating interactive filters
- Text and Image Elements
- Style using CSS

STREAMLIT OBJ : OUR HERO

HOW DOES STREAMLIT SOLVE PROBLEM

01

DATA AS HTML OBJECTS

- TEXT ELEMENTS
- INPUT ELEMENTS
- LAYOUTS & CONTAINERS
- PANDAS DF OBJECTS

02

CHARTS AS OBJECTS

- CHART COUPLED WITH DATA
- CHARTS CREATED W/O CODE

03

INTERACTION

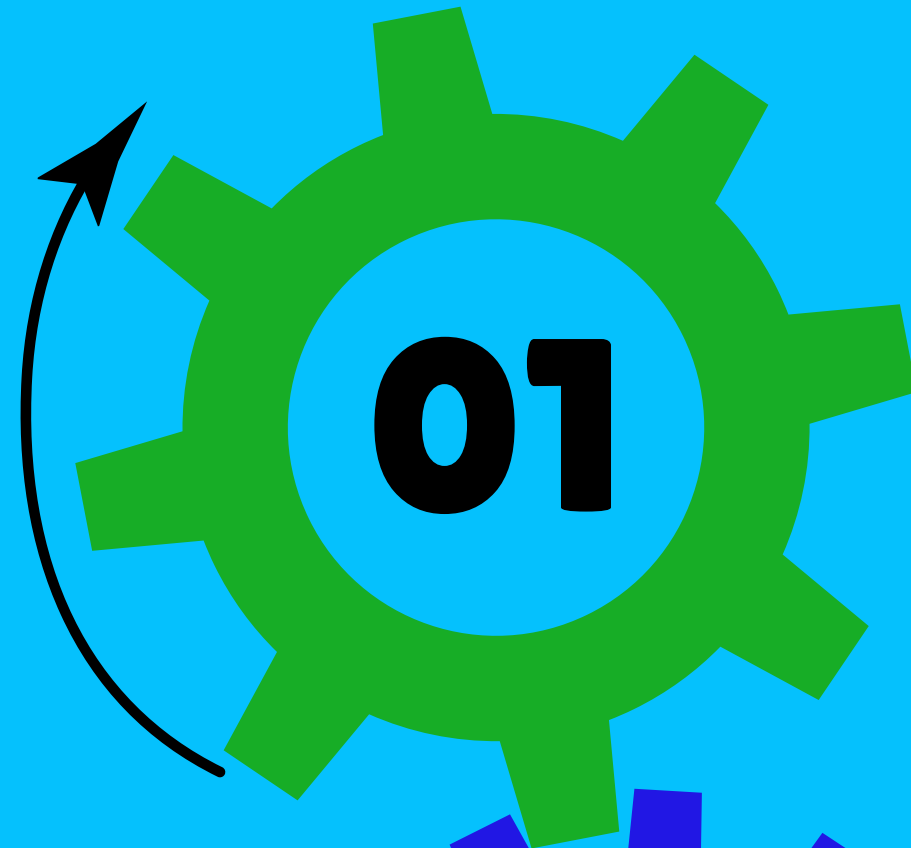
- CHANGING THE DATA WITH INPUT
- INTERACTING WITH HTML ELEMENTS

04

DEPLOYMENT

- INTEGRATED FULL STACK
- FRONT END ABSTRACTED
- BACK END PROGRAMMABLE

STREAMLIT DEPLOY PROCESS

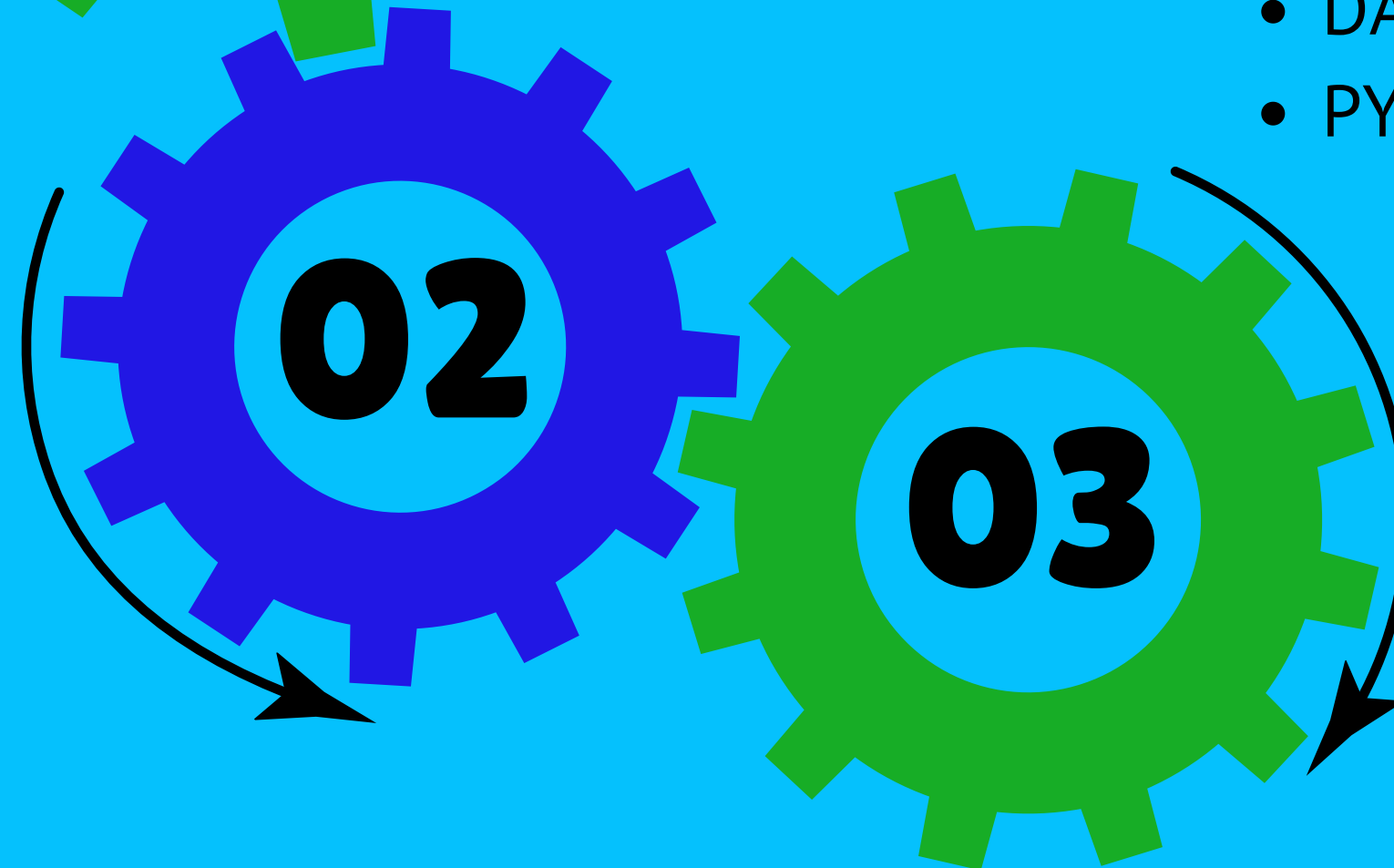


VISUALISE INSIGHT

- MAKE CHARTS
- SHOW INSIGHTS

AUTOMATE DATA

- DATA CAN CHANGE
- PYTHON WRANGLES DATA



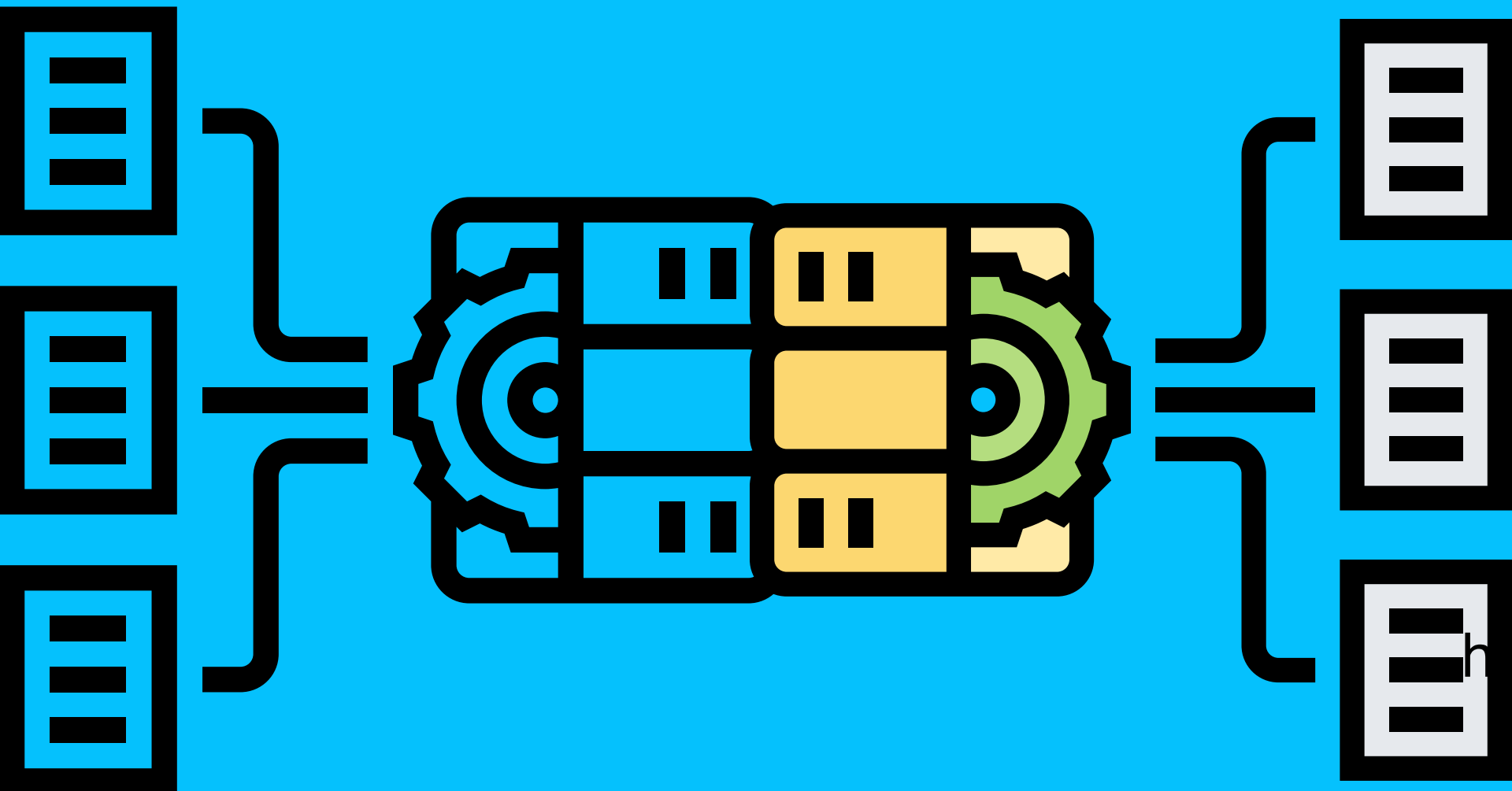
DEPLOY ON SERVER

- USE SERVER TO DEPLOY
- CONNECT TO THE DNS

HEAD TO NOTEPAD

**QUESTIONS AND
COMMENTS**

WHAT NEXT ???



DATA TO DATABASE

STARRING SQLALCHEMY

<https://kamalabot-streamlit-deploys-experiment-1dashboard-ver00-p7orli.streamlit.app/>