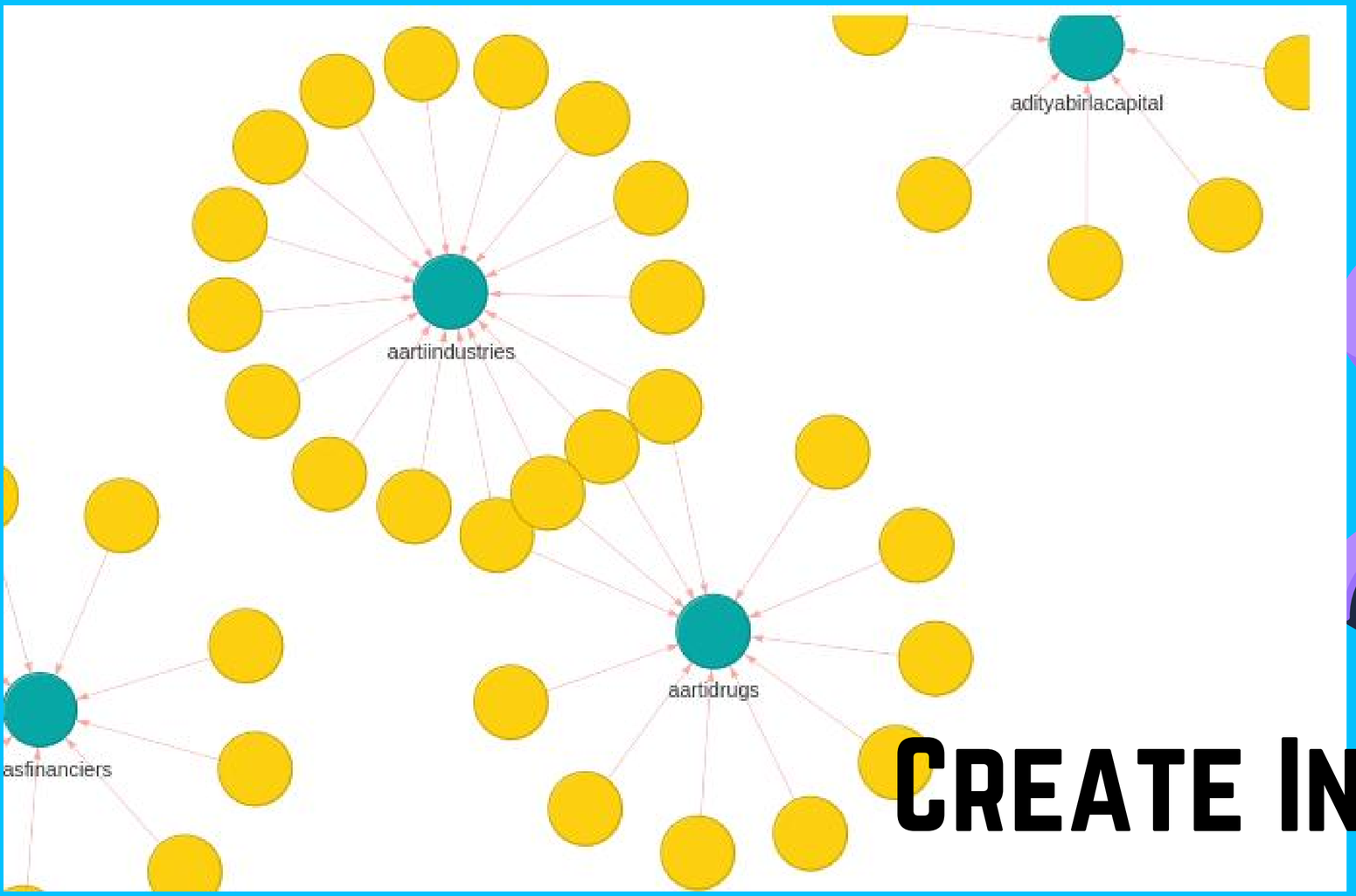
BRING YOUR DATA TO LIFE BY GRAPHING IT ON STREAMLIT



Create Interactive graphs in Minutes with streamlit

https://github.com/insightbuilder

WHAT PROBLEM WE'RE FACING

VISUALISING THE DATA CONNECTIONS

Everything is connected and these connections themselves can hold valuable insights, like clustering, community & help in analysis

SERIES OF PROBLEM

- **CREATING GRAPH**
- **DISPLAYING GRAPH**
- **INTERACTING WITH IT**

HTTPS://GITHUB.COM/INSIGHTBUILDER

PYTHON ECOSYSTEM : STREAMLIT–AGRAPH

HOW TO GET IT INTO MY OS?

- Install Python
- The do "pip install streamlit-agraph"

WHERE CAN I LEARN ABOUT STREAMLIT

- Github streamlit-agraph

https://github.com/ChrisDelClea/streamlit-agraph

- Streamlit API Reference

https://docs.streamlit.io/library/api-reference

- This Video

DATA SCIENCE ALTERNATIVE : NEO4J

Thanks to Christian Klose:
https://github.com/ChrisDelClea

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HOW DOES AGRAPH SOLVE PROBLEM

01 DATA AS NODES

- Things not Strings approach
- Nodes & edges as list
- Modular built up of Graph

02 GRAPH AS OBJECTS

- Streamlit component is rendered directly on the browser
- Edge can also have labels

03 INTERACTION

- Changing the data
- Interacting with nodes
- Creating hierarchy, physics & groups

04 DEPLOYMENT

- Include variety of node shapes
- Include images as nodes

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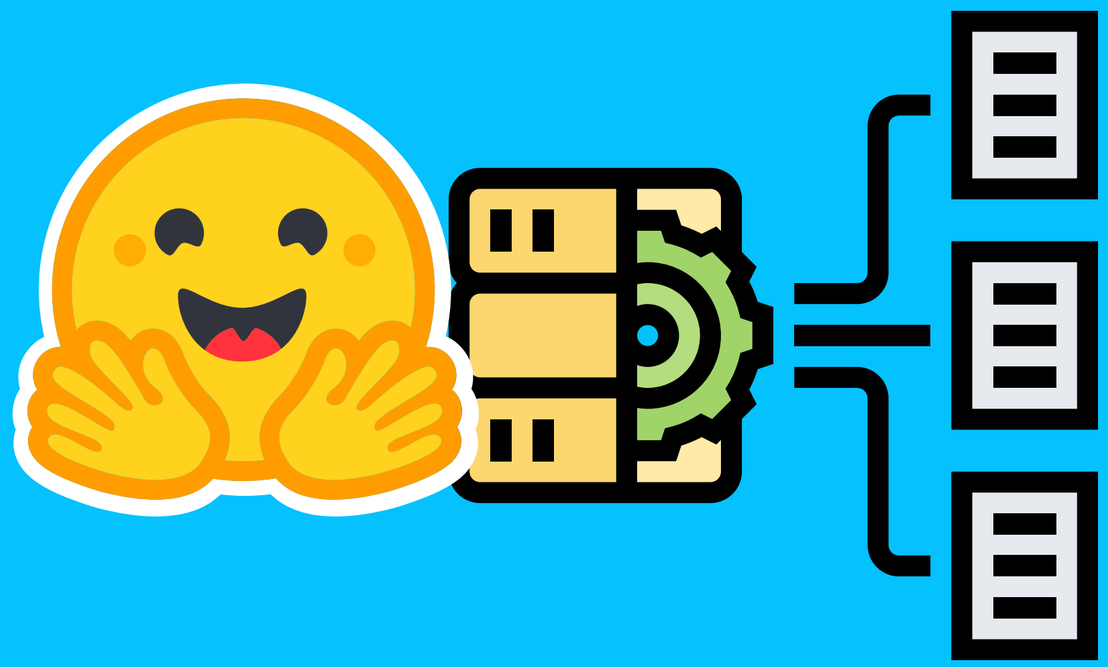
WHAT NEXT ???



MODEL DEPLOYMENT

STARRING GRADIO

https://jsongraphpy21.streamlit.app/