Streamlit

Can Help Optimize, Interactive Visualization

Cutting-edge, **open-source** Python library designed to help you **effortlessly** create and share **interactive** and **captivating,** data visualization web applications

Different Than Traditional Visualization Software

1 *Python Ecosystem*

*Let **existing** Python **knowledge** drive visualization.*

***Quickly** turn data scripts into shareable web apps*

2 *Open-Source Library*

*Offers **flexibility**, support, and free access, enabling **rapid** development and **integration** within existing Python workflows.*

3 *Huge Community*

*Fosters **collaboration** and quick problem-solving, providing **resources** for easier development and enhancement of data applications.*

Compatible With:

VL · plotly · NumPy · pandas · matplotlib · TensorFlow · pydeck · bokeh

Work Flow

Load Data → Write as little as 5 lines of code → Share and Deploy → Iterate and Improve

Advantages Over Traditional Visualization Software

1 Deployment

Run and manage the app using cloud platforms like Azure, AWS, and GCP, to provide scalability, reliability, and more control

2 Prototyping and Iteration

Any edits to the code automatically update the web app dashboard, enabling a seamless development and user experience

3 Collaboration

Collaborators globally see up-to-date visuals, with real-time updates, simplifying remote teamwork

Dashboard

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