

Turn your Python scripts into beautiful data apps

Let's build some apps!



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What is Streamlit?

Part 2

Install and play now!

Part 3



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Part 2

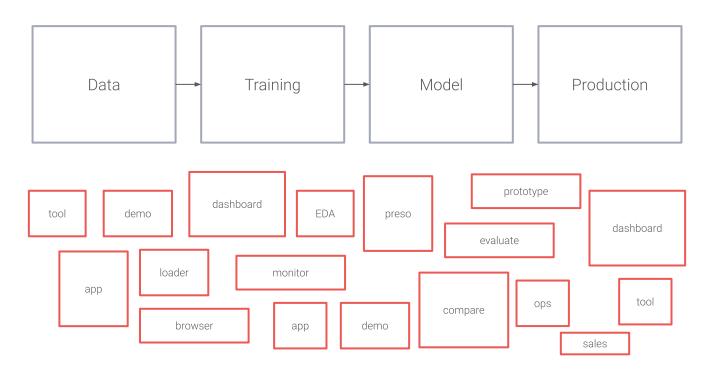
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What apps do data scientists need?

Lots! You're always making apps for your work or to communicate your results to others.



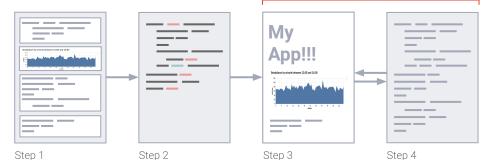
Building data apps is slow and expensive

Building even simple data apps today requires weeks or months of investment, distracts from core work, and often yields an unmaintainable product. And because it's so costly **only a fraction of needed apps and tools are created.**

Workflow 1: You build the app

Explore in a

Jupyter notebook.



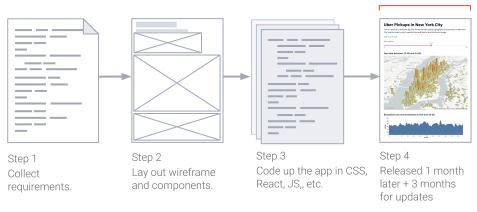
Hack a Flask app.

HTML. HTTP. JS...

Workflow 2: Your "tools team" builds the app

Copy-paste into a

Python script.





Uh oh Need more

features Code is

unintelligible.

The unmaintainability trap

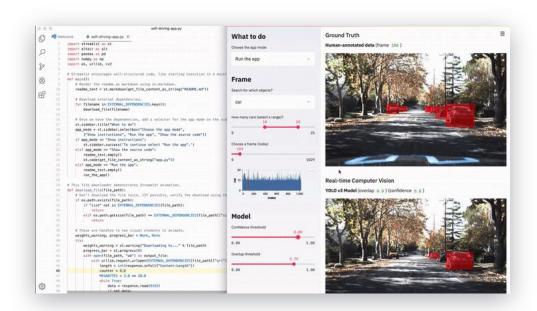




Streamlit is the fastest and easiest way to create data apps

Quickly create your own elegant data apps for visualization, debugging, comparing models and presenting data - all in Python.

Streamlit's open-source app framework is built specifically for data scientists to rapidly create beautiful, performant apps in only a few hours!



Streamlit works on 3 simple principles



Embrace
Python scripting

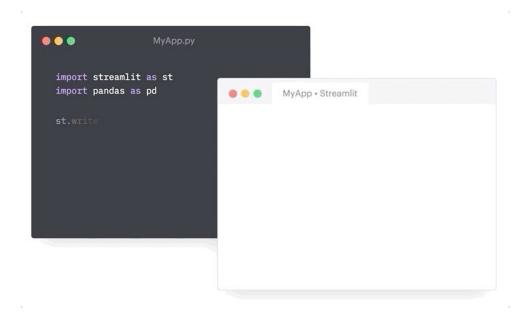


Treat widgets as variables.

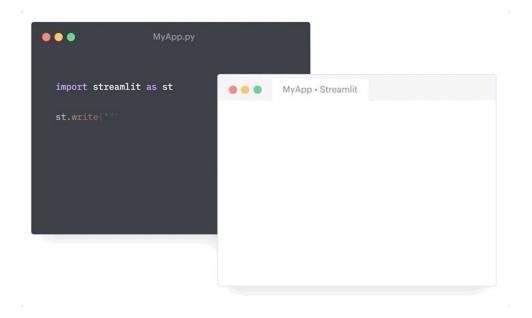


Reuse data and computation.

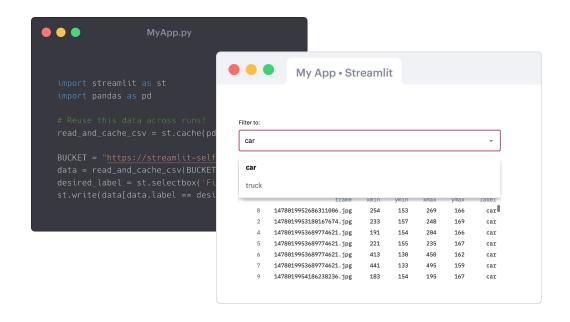
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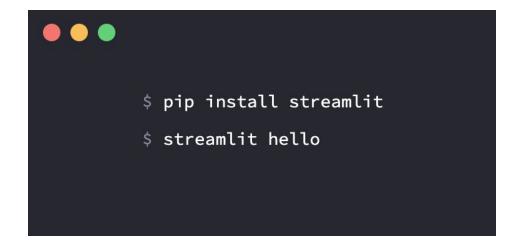
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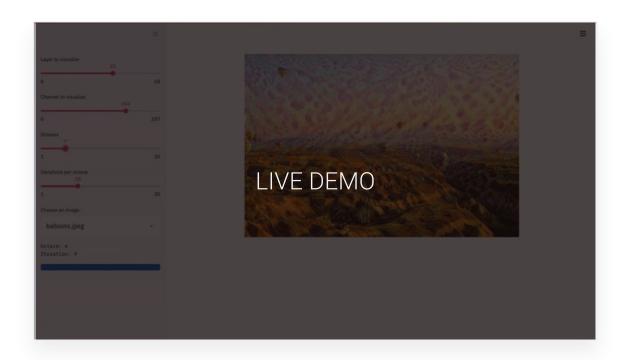
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Get started instantly



Let's take a look at streamlit hello



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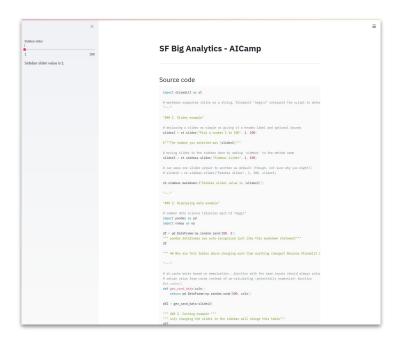
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Time for some live coding!

Let's take a look at some common methods for interactivity in Streamlit





Try it out and let us know what you think

Visit our website to find more examples, docs, and our community forum.

https://streamlit.io

https://discuss.streamlit.io



