Interactive Visualization

{Rotterdam Python Meetup #3}

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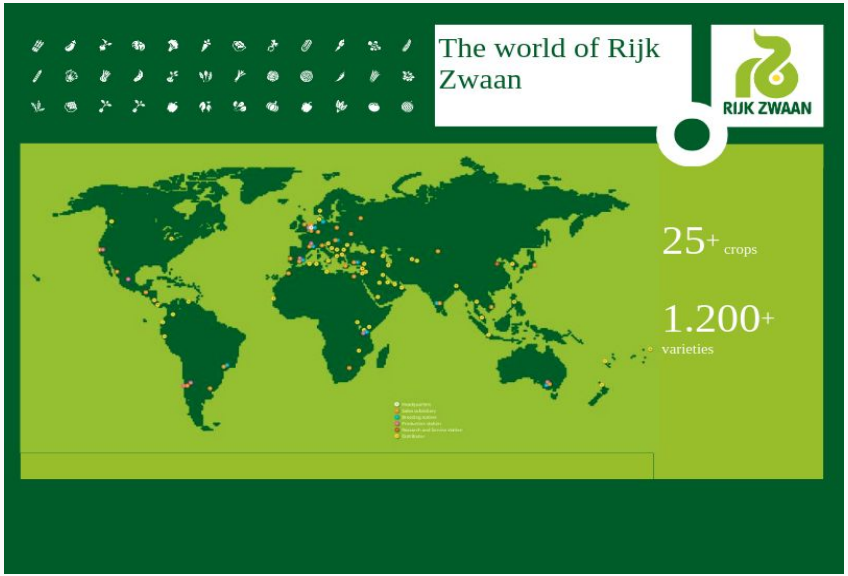
Rijk Zwaan

https://www.rijkzwaan.com/



Contents

- Python visualization
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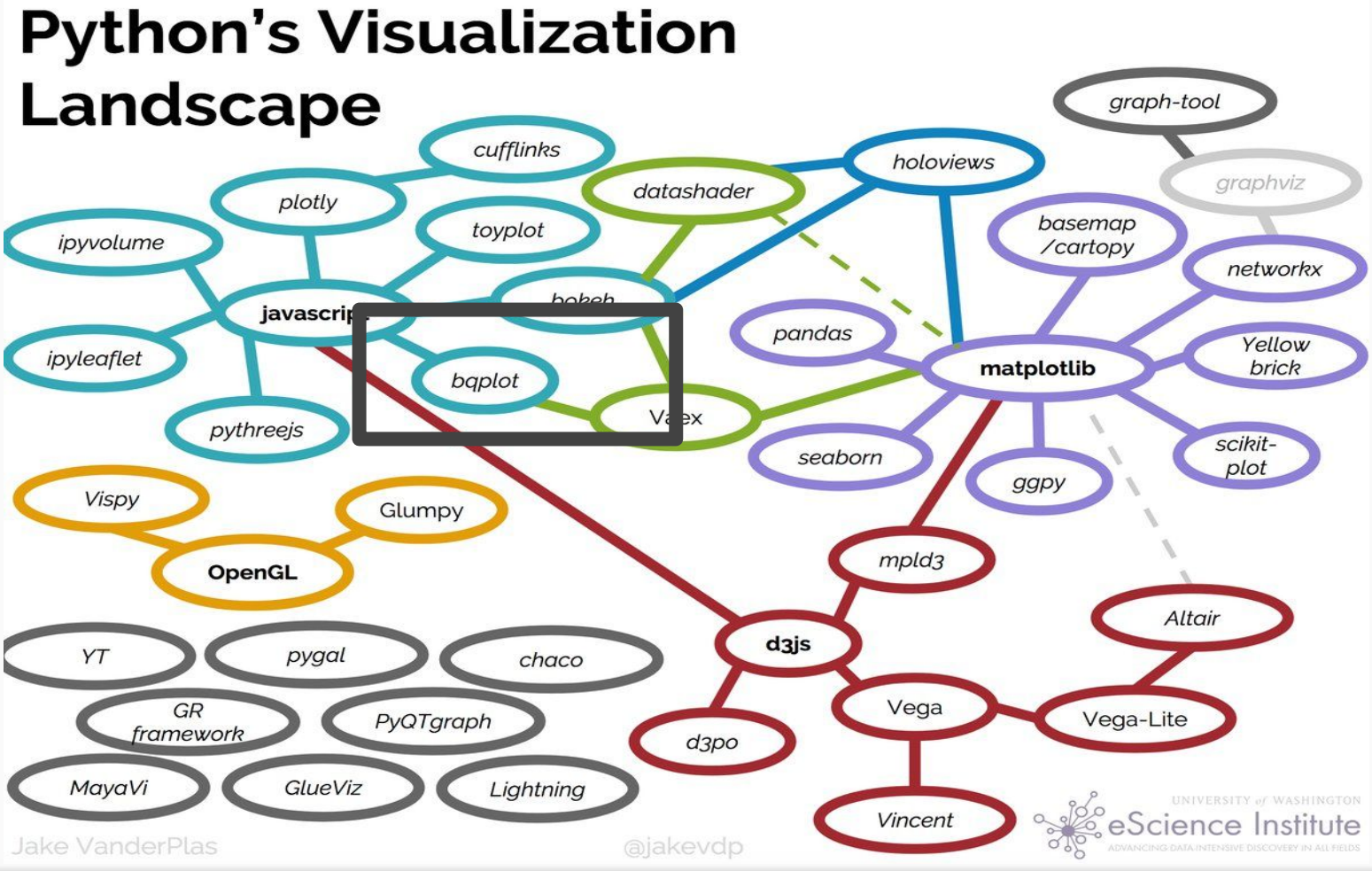
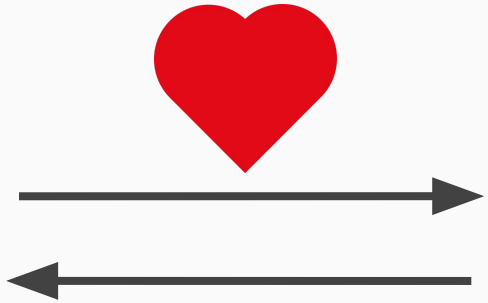


Credit: Jake VanderPlas

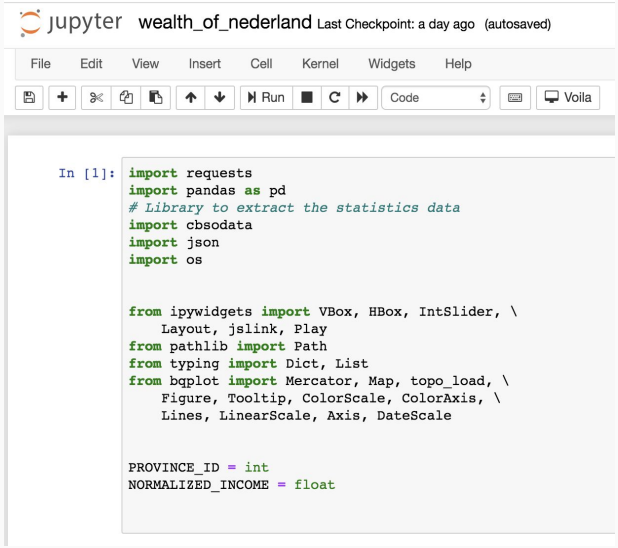
Interactive widgets



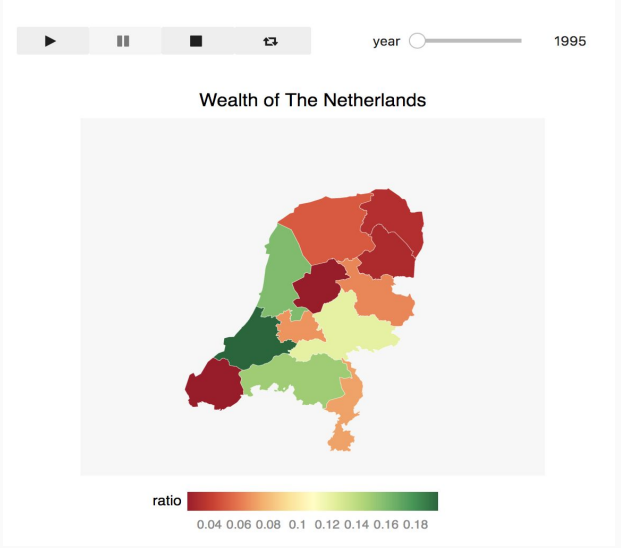
IntSlider(value=72)

https://ipywidgets.readthedocs.io/en/latest/

Voila

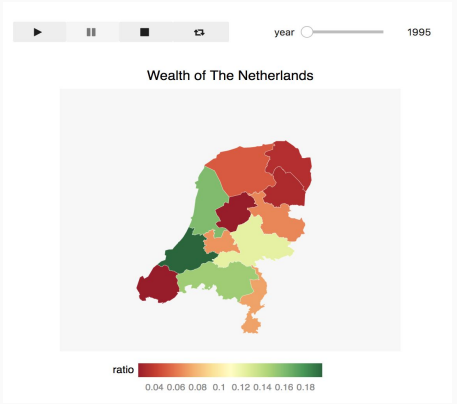


[voilà]



https://github.com/QuantStack/voila

Wealth of Nederland



https://github.com/ricky-lim/wealth-nederland

ipybible

https://github.com/ricky-lim/ipybible

Genesis 1

Genesis 1: 1-31

1. In the beginning God created the heaven and the earth.
2. And the earth was without form, and void; and darkness was upon the face of the deep. And the Spirit of God moved upon the face of the waters.

Lessons learned

Goodies

- Two-way communication
- Python data science
- Workflow towards web

Challenges

- Memory overhead
- State management
- Lack of best practices

Resources

- **bqplot**: https://github.com/bloomberg/bqplot/
- **ipywidget**: https://ipywidgets.readthedocs.io/en/latest/
- **cbs**: https://pypi.org/project/cbsodata/
- **bible source api**: https://getbible.net/api
- **spacy**: https://spacy.io/usage
- **scikit-learn**: https://scikit-learn.org/stable/
- **wordcloud**: https://github.com/amueller/word_cloud
- **ipyvuetify**: https://github.com/mariobuikhuizen/ipyvuetify