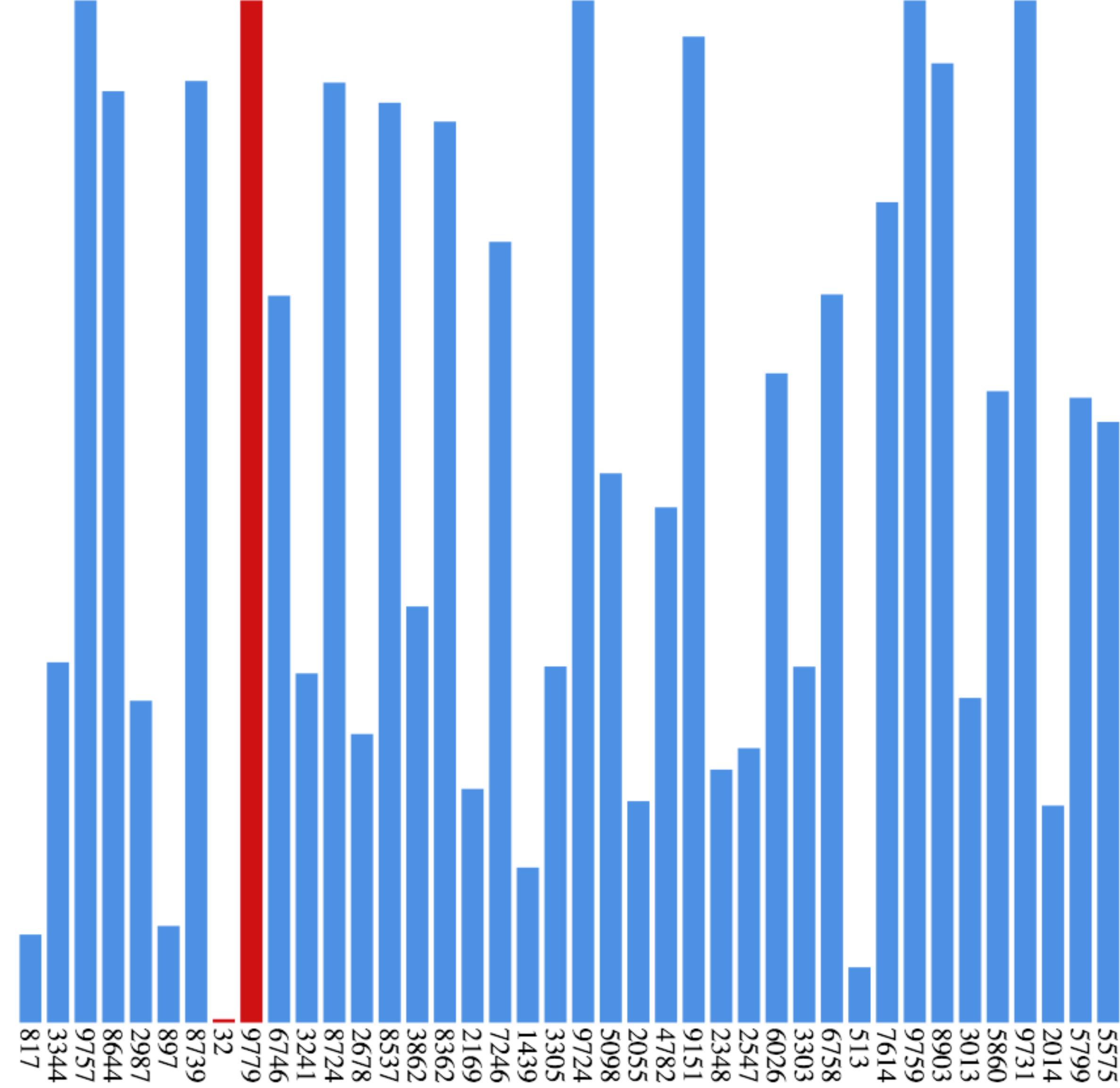




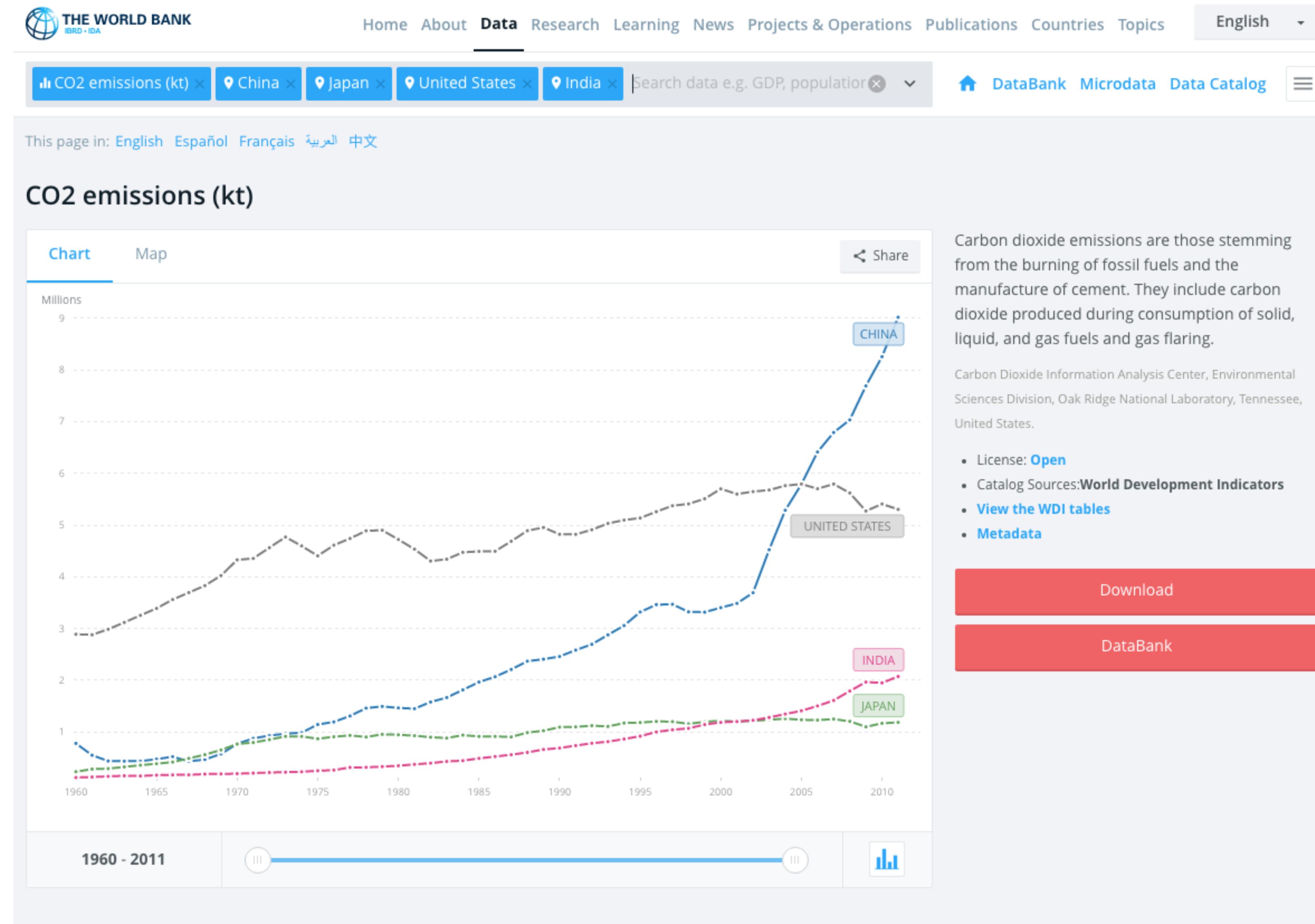
# DATA VISUALIZATION IN 20 DAYS

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*David Guan, developer at wiredcraft*



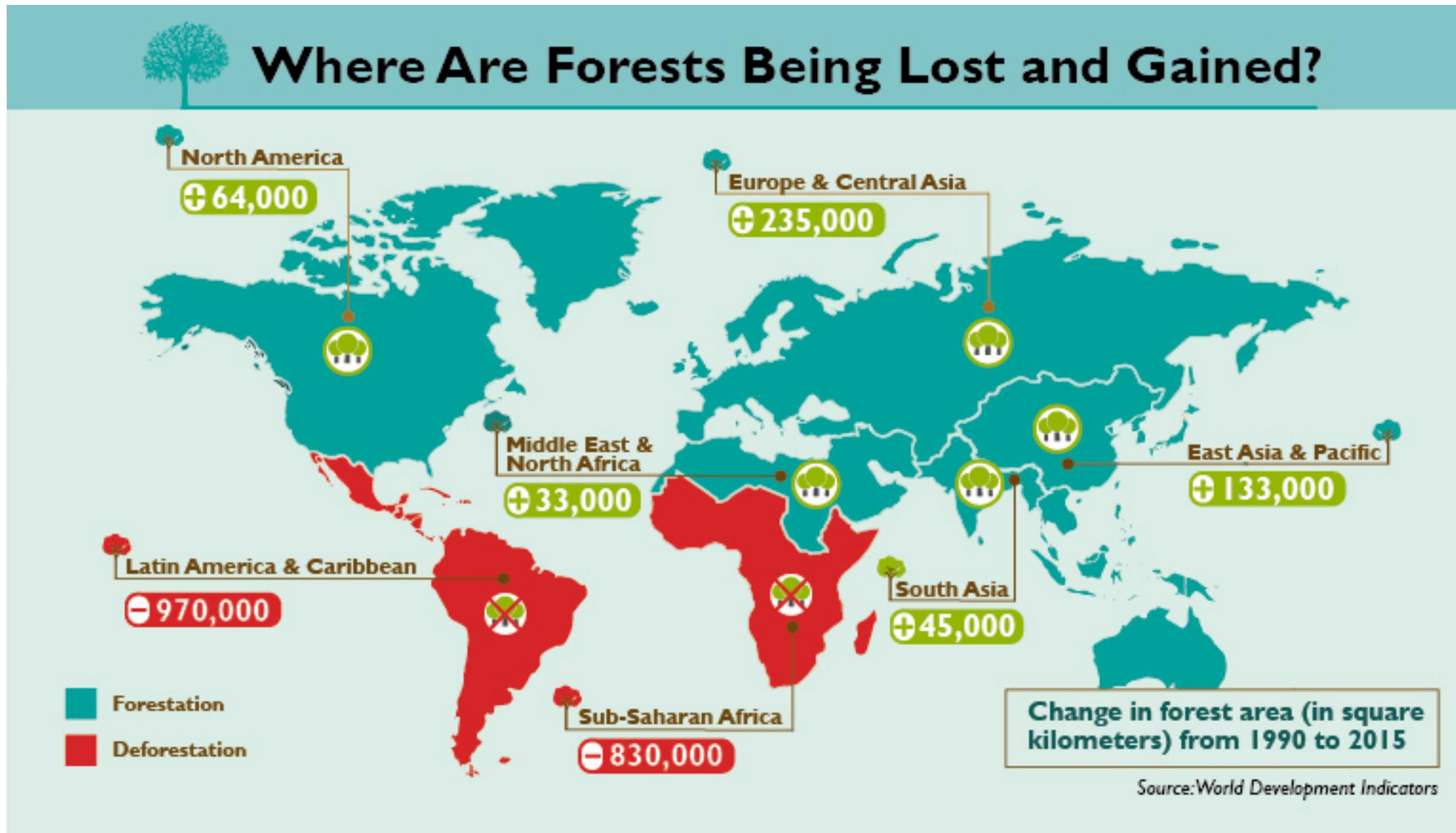
# EXAMPLE B



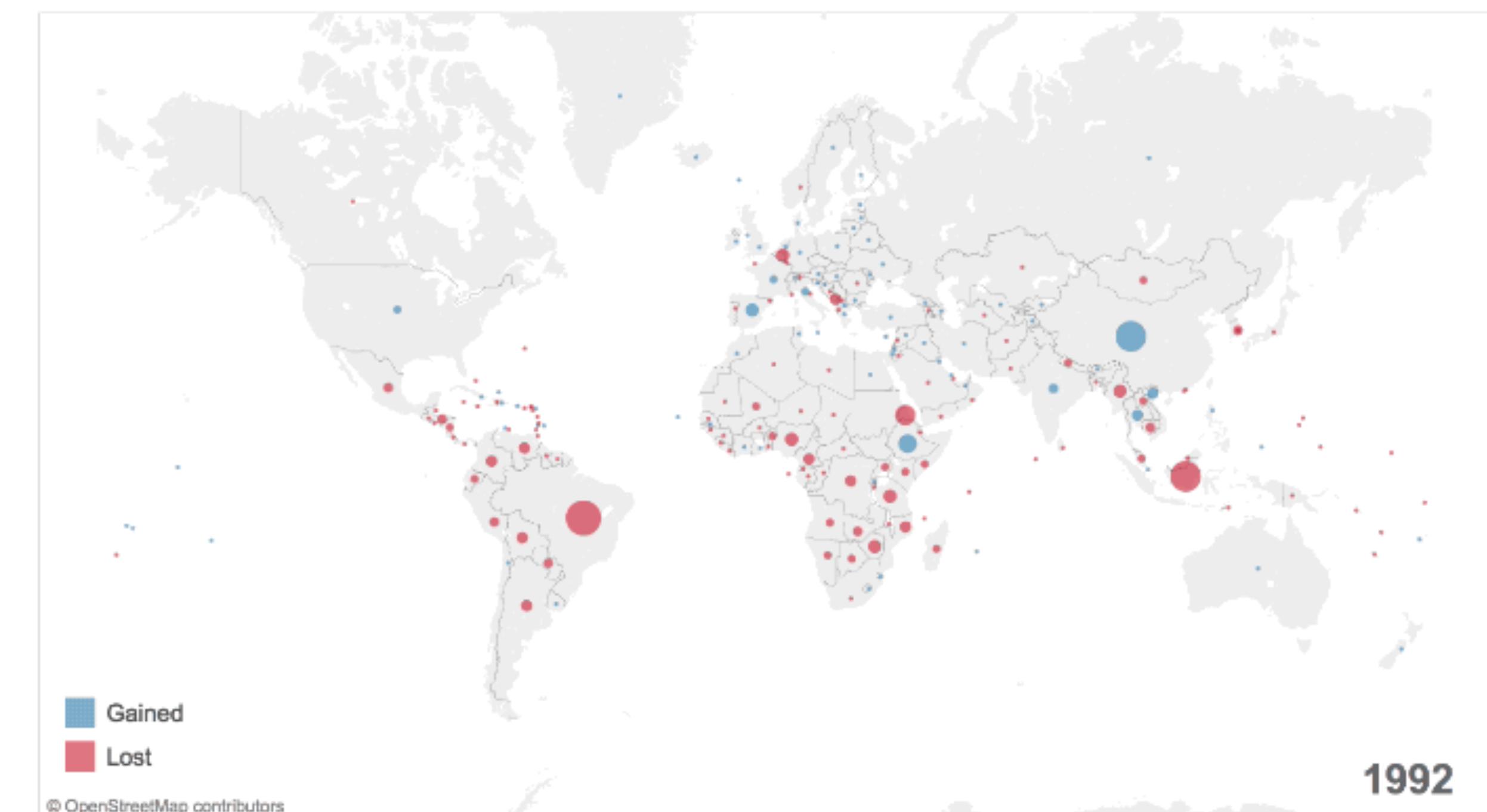
“

Data visualization  $\neq$  make chart pretty

# EXAMPLE C



Where Have Forests Been **Lost** and **Gained**?  
Change in forest area ( $\text{km}^2$ ) by country since 1990



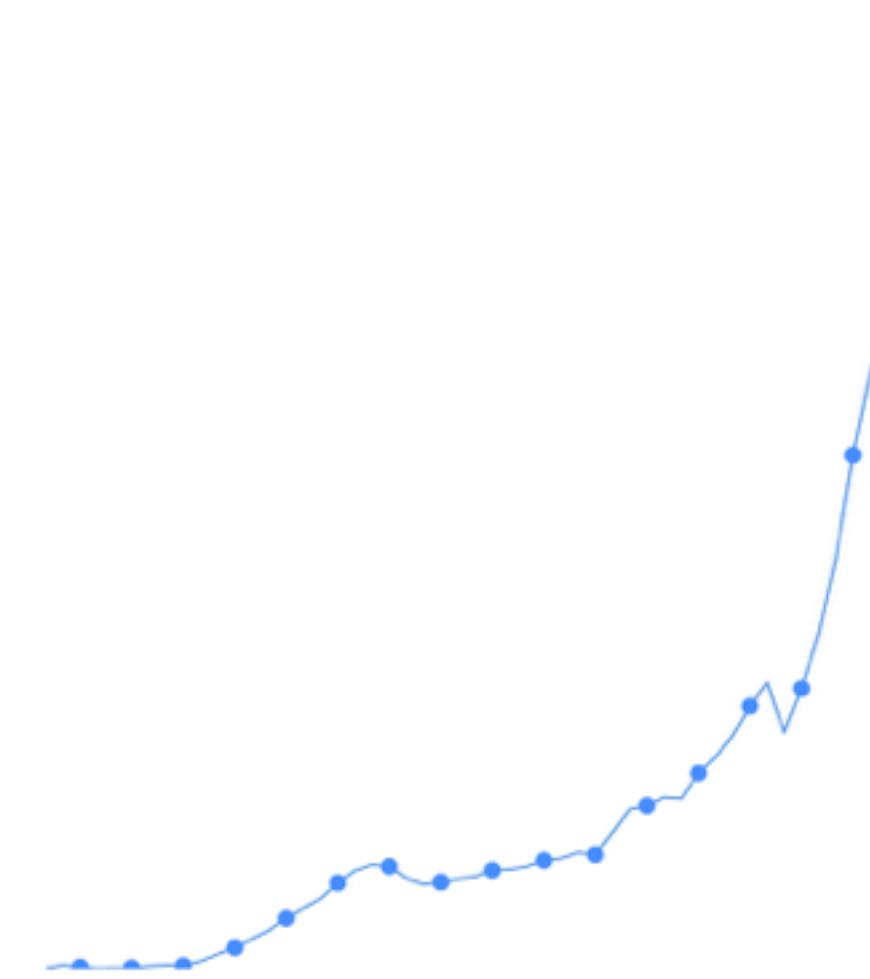
these two image are copy from [worldbank.org](http://worldbank.org)

# A QUICK VIEW OF WHAT I DID

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day 18



**CO2 emissions from gaseous  
fuel consumption (kt)**

day 16



*<http://ecutdavid.github.io/D3In20Days/>*

# HOW?

[EcutDavid / D3In20Days](https://github.com/EcutDavid/D3In20Days)

Code Issues 2 Pull requests 0 Wiki Pulse Graphs

Data visualization practise — Edit

38 commits 2 branches 0 r

Branch: master New pull request New file Upload files Find file HTTPS ▾

**EcutDavid Line chart add tooltip**

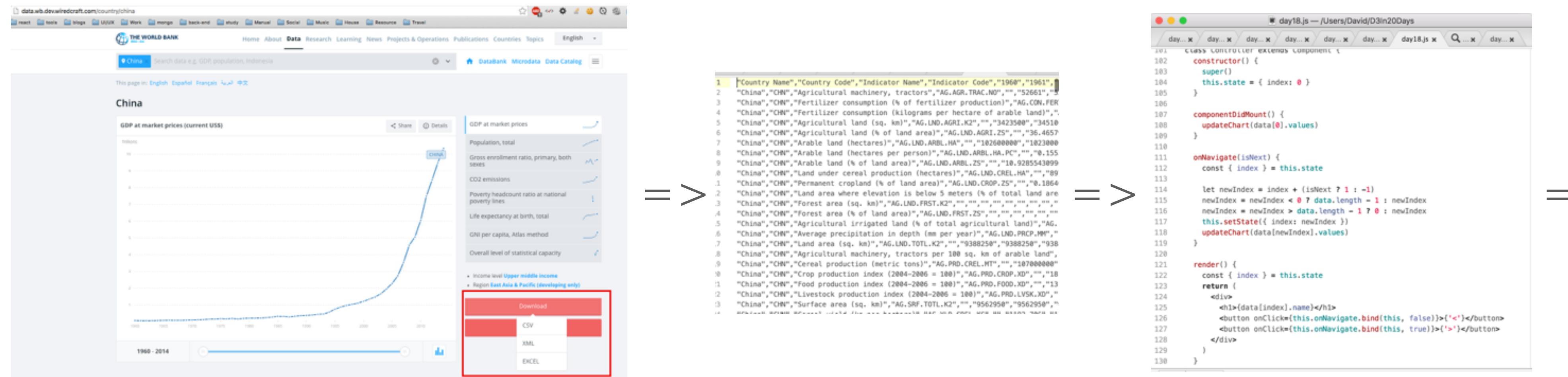
- build Add basic line chart.
- scripts Line chart add tooltip
- .eslintrc Set up develop environment.
- .gitignore Remove slide dir.
- LICENSE Initial commit
- README.md Update README.md
- package.json Add webpack config for prod.
- webpack.config.js Add show demo for ppt.
- webpack.config.prod.js Add show demo for ppt.



<https://github.com/EcutDavid/D3In20Days>

<https://github.com/mbostock/d3>

# DESCRIPTION OF DAY 18



# *Collect data*

# *Analysis data*

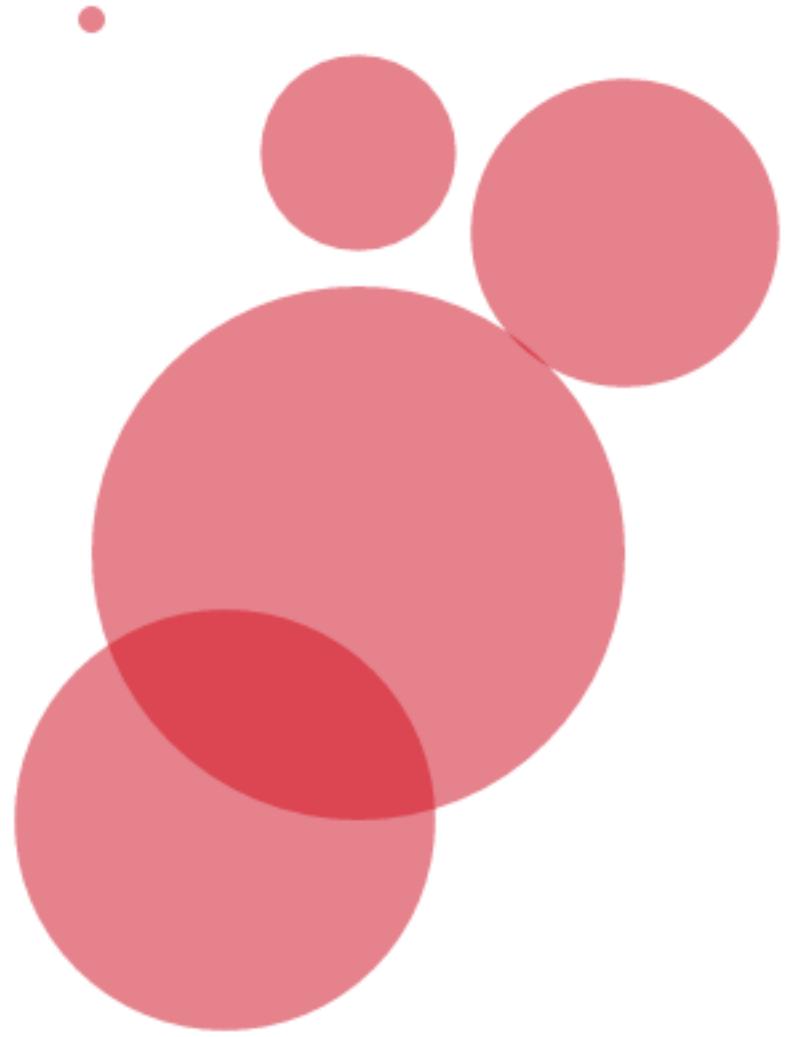
# Coding

*http://beta.data.worldbank.org/*

# WE CAN NOT PLAN EVERYTHING FROM THE VERY BEGINNING

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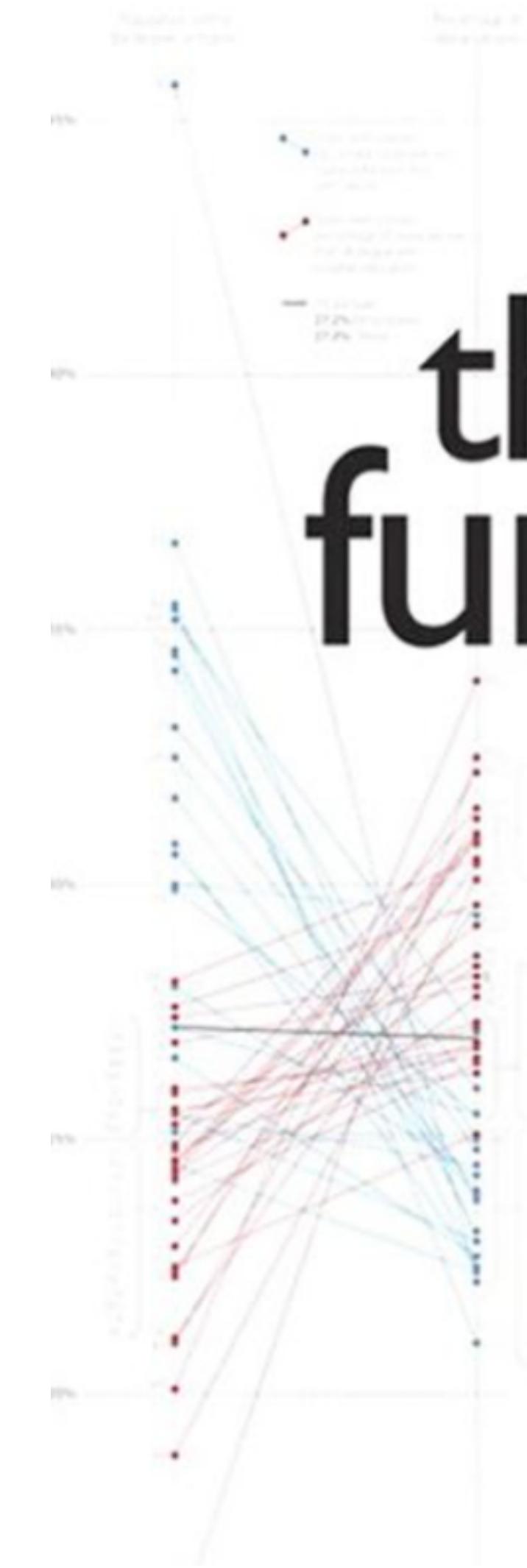
day 1



day 16



# FOCUS



# the functional art

an introduction to  
information graphics  
and visualization

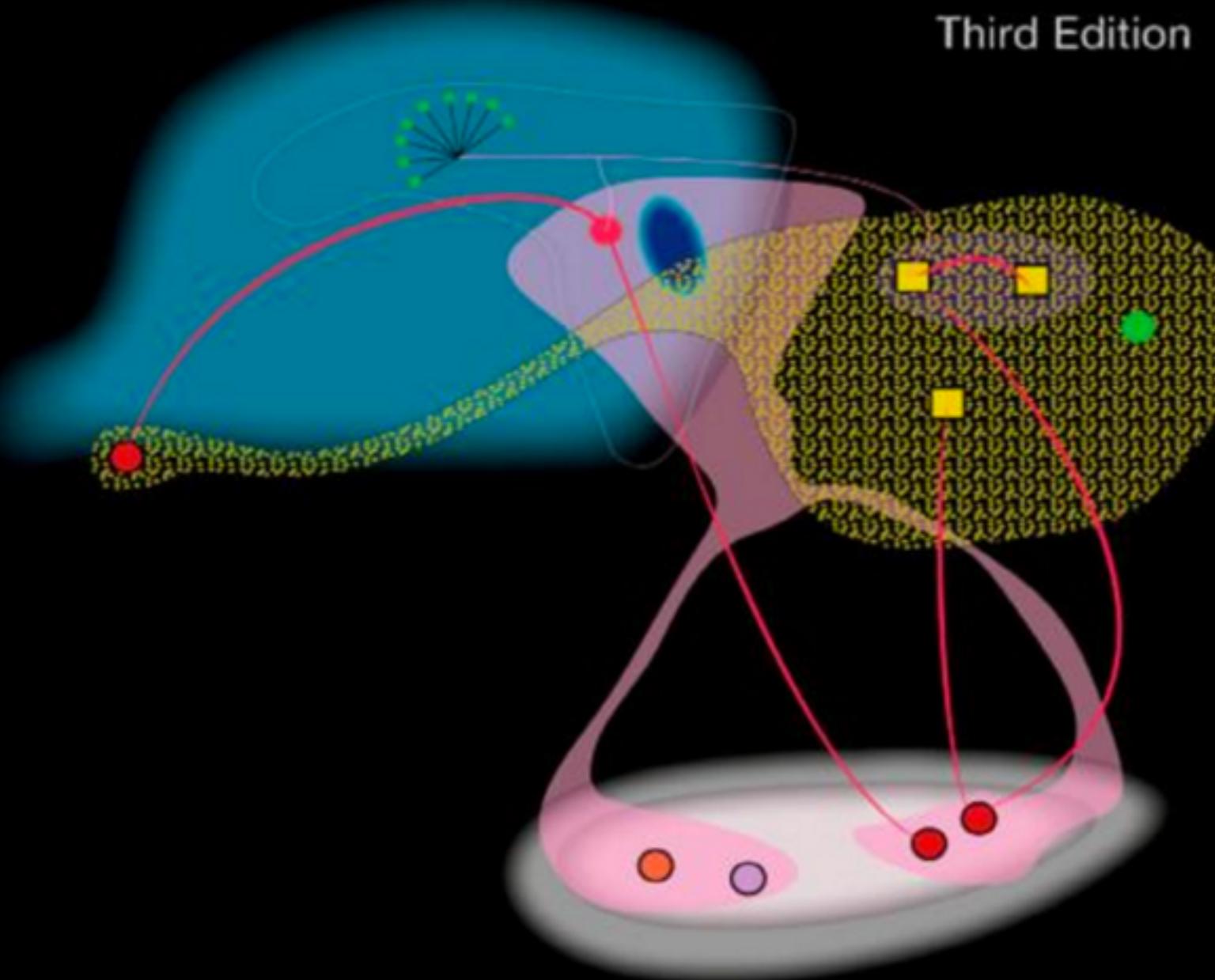
alberto cairo

"Welcome to Alberto's world. Cairo has done it all in *The Functional Art*: theory, practice, examples. And he's done it brilliantly. It is the most comprehensive and sensible book yet on real-world information graphics; we won't need another one for a long time."

Nigel Holmes, former graphics director for Time magazine  
and founder of Explanation Graphics

# Information Visualization PERCEPTION FOR DESIGN

Third Edition



MK  
MORGAN KAUFMANN

Colin Ware

# FURTHER REFERENCE

information is beautiful  
ideas, issues, knowledge, data – visualized!

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Learn data-visualization  
in our new workshop series [New York](#) [London](#)

Visualizations – web-tech

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Spotify, Apple Music, Tidal - Compared

Intermenital  
Towards a classification of tech-induced mental disorders

The beauty of data visualization - David McCandless

TED-Ed 2,276,354

166,943

<http://www.informationisbeautiful.net/>

<https://www.youtube.com/watch?v=5Zg-C8AAIGg>

# THANK YOU, QUESTIONS?

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*A learner at*



*A coder at*



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