



Data Visualization in R rbokeh/Bokeh (audition video)



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What will you learn?

- ▣ Import Data
- ▣ Transform & Tidy Data
- ▣ Visualize Data

(code provided/on Github/link @ last slide)

Assumed Knowledge



- ▣ Basic to Intermediate Experience with R
- ▣ Tidyverse/Tidy data
- ▣ Data manipulation (dplyr & tidyr)
- ▣ Grammar of Graphics/ggplot2 (or any DataViz tool)
- ▣ `%>%` (magrittr's pipe/"and then")
- ▣ Bokeh (Python), rbokeh (R)
- ▣ RMarkdown (Rmd)

Visualization – World Bank (data) – GDP growth (%), 1960 – 2016



Data

This page in: [English](#) [Español](#) [Français](#) [العربية](#)

Search data e.g. GDP, population, Indonesia

[DataBank](#) [Microdata](#) [Data Catalog](#)

[View data catalog](#)

World Development Indicators

The primary World Bank collection of development indicators, compiled from officially-recognized international sources. It presents the most current and accurate global development data available, and includes national, regional and global estimates.

Type	Time series
Periodicity	Annual
Last Updated	15-Sep-2017
Economy Coverage	WLD, EAP, ECA, LAC, MNA, SAS, SSA, HIC, LMY, IBRD, IDA
Granularity	National, Regional
Number of	217



Downloads

[WDI \(Excel\)-ZIP \(59 MB\)](#)

[WDI \(CSV\)-ZIP \(57 MB\)](#)

[Information about WDI revisions \(Excel\) \(912 KB\)](#)

Related Links

[WDI products page](#)

[Data Updates and Errata](#)

Summary

- ▣ Real-World Dataset
 - ▣ Transform & Tidy data
 - ▣ Publication Quality & Interactive Visualization
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- ▣ GitHub repo (Code):
https://github.com/radovankavicky/dc_rbokeh
 - ▣ Data: <https://data.worldbank.org/data-catalog/world-development-indicators>

Thank you for your attention

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<https://github.com/GapData/PyDataBratislava>



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Looking forward to future cooperation.