

# Introduction to $\mathcal{R}$

## Session 5: ggplot2 Graphics

Dag Tanneberg<sup>1</sup>

Potsdam Center for Quantitative Research  
University of Potsdam, Germany  
October 11/12, 2018

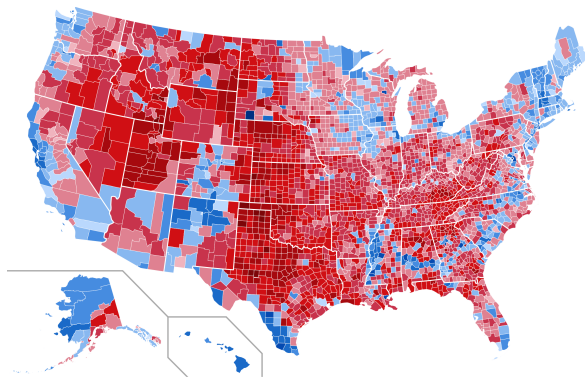
---

<sup>1</sup>Chair of Comparative Politics, UP [dag.tanneberg@uni-potsdam.de](mailto:dag.tanneberg@uni-potsdam.de)

# Introduction

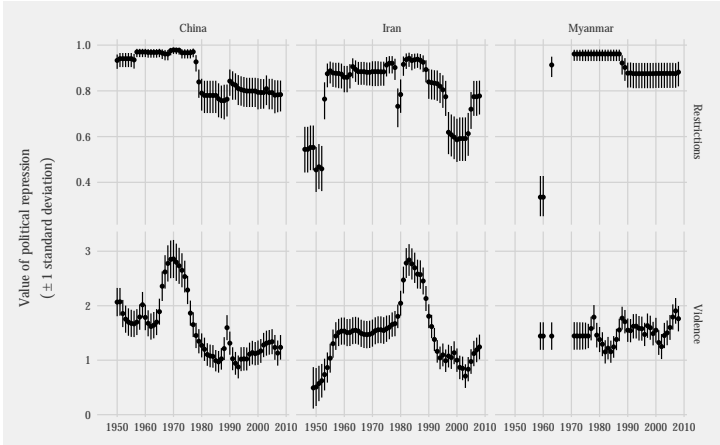
# A Taste of ggplot2

Figure 1: Vote Share in the 2012 Presidential Elections by County<sup>2</sup>



<sup>2</sup>Healan, K. forthc. Data Visualization. A Practical Introduction. <https://socviz.co/maps.html> (last access: 10/03/2018).

# More Tasting: Trajectories in Political Repression<sup>3</sup>



<sup>3</sup>Tanneberg, D. 2018. The Politics of Repression under Authoritarian Rule. How Steadfast is the Iron Throne? Dissertation Manuscript, Humboldt University Berlin, p. 54.

# Outline

- 1 Introduction
- 2 What is ggplot2?
- 3 How to talk to ggplot2?
- 4 Practice with ggplot2

# What is ggplot2?

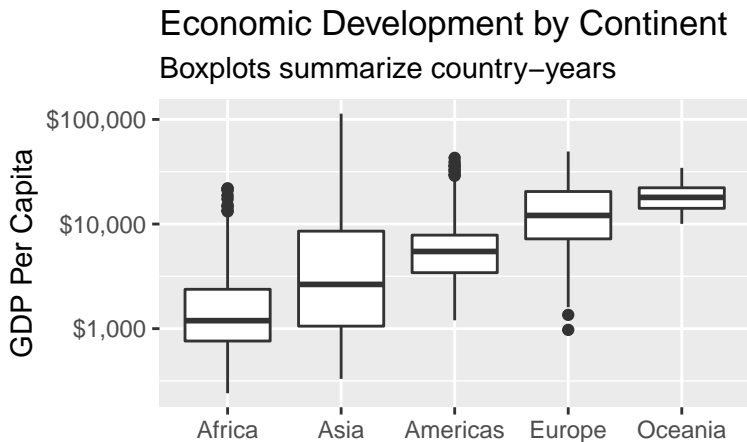
# Graphics Engines in $\mathcal{R}$

# Why use ggplot2?



## How to talk to ggplot2?

## Our target graph



Source: Gapminder.

## Practice with ggplot2

# Replicate this figure

## Life Expectancy vs. Economic Development

