

Motivation

Main Questions
Learning Objectives

Context

Limitations

What are the data?

Data Import

Data Wrangling

Data Visualization

Data Analysis

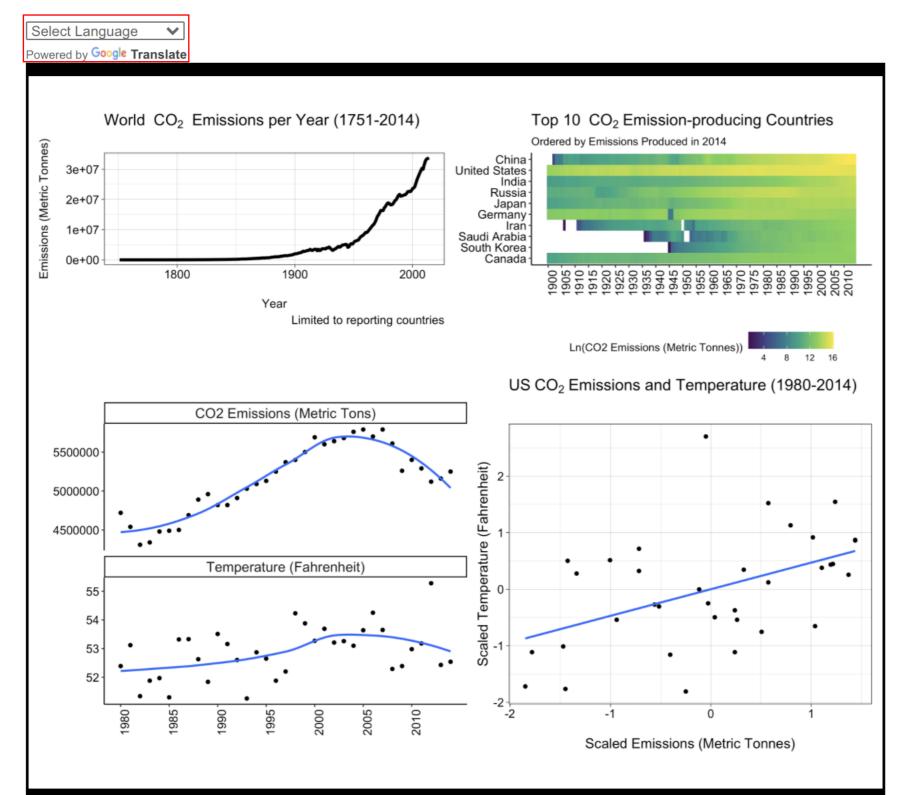
Summary

Suggested Homework

Additional information

A.

Open Case Studies: Exploring CO2 emissions across time



Disclaimer: The purpose of the Open Case Studies project is **to demonstrate the use of various data science methods, tools, and software in the context of messy, real-world data**. A given case study does not cover all aspects of the research process, is not claiming to be the most appropriate way to analyze a given dataset, and should not be used in the context of making policy decisions without external consultation from scientific experts.

Chinese (Simplified)



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B.

开放案例研究:探索不同时间的二氧化碳排放 概率



Code **▼**

Powered by Google Translate World CO₂ Emissions per Year (1751-2014) Top 10 CO₂ Emission-producing Countries Ordered by Emissions Produced in 2014 China -United States -India -Russia -2e+07 1e+07 Saudi Arabia 2000 Limited to reporting countries Ln(CO2 Emissions (Metric Tonnes)) US CO₂ Emissions and Temperature (1980-2014) CO2 Emissions (Metric Tons) 5500000 5000000 4500000 Temperature (Fahrenheit) Scaled Emissions (Metric Tonnes)

免责声明: 开放案例研究项目的目的是**展示各种数据科学方法、工具和软件在混乱、真实数据的背景下的使用**。给定的案例研究并未涵盖研究过程的所有方面,并没有声称是分析给定数据集的最合适方法,并且不应在没有科学专家的外部咨询的情况下用于制定政策决策。

包中的 mutate() 函数可以 dplyr 做什么? (不止一个正确答案)

- □ 选择数据的某些变量(列)。
- □ 重命名变量。
- □ 创建一个新变量。
- □ 修改现有变量。

提交答案

我们创建了一个名为 wide_format "宽"格式的数据集。编写一些代码将其转换为"长"格式。(我们需要 3 个名称为"ID"、"Variable"和"Value"的列。)

代码	2 重来 ♀ 提示 ▶ 运	运行代码
1	宽格式	
2		
3		