

Insights from Data Companion

Owen Petchey, Andrew Beckerman, Natalie Cooper, Dylan Childs

2020-01-02

Contents

Chapter 1

Introduction

To be completed.

```
knitr::opts_chunk$set(cache = TRUE)
```


Chapter 2

Additional R

To be completed.

Chapter 3

Additional concepts

To be completed.

Chapter 4

Are diets more diverse in more democratic countries?

4.1 About this case study

This case study is primarily meant to supplement the material in the book *Insights from Data* by Petchey, Beckerman, Childs, and Cooper. If you don't understand something in the case study, have a look at that book (perhaps again), or search for help, or get in touch with us.

4.2 Introduction to the study and data

In this case study we will look at the diversity of food available to people living in countries around the world. And we will explore one potential influence of this diversity—the political system (e.g. democratic) of the country. Why this? Why not? There are likely lots of factors governing the diversity of food available to the population of a country, and political system is just one. We could also look at gross domestic product, location, population size, and so on. But let's keep things relatively simple and straightforward for the moment. You can make things more complex if you choose to look further into the question, and it may be essential to do so. Just wait until after you've mastered the simpler though perhaps still challenging material in this case study.

To be clear, we are asking the question of whether the diversity of food available to the population of a country is associated with the political system of that country. We hypothesise that more freedom will result in more diversity of food availability (figure XXa – illustrate the hypothesis). We will restrict ourselves to two variables: diversity of food available and political system. Let's use a