Project

Data Vizualization in R

Assignment

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Course structure and evaluation

Week 1-2:

Lecture 1. Principles of figure design.

Quiz 1. --> Brightspace

Week 3-4:

Tutorial 1. ggplot2: plots and charts.

Quiz 2. --> Brightspace

Week 5-6:

Tutorial 2. ggplot2: statistics, coordinate system, facets.

Tutorial 3. ggplot2: themes and styles.

Practice 1.

Quiz 3. --> Brightspace

Week 7-8:

Practice 2. Project.

Practice 3. Project.

Practice 4. Project.

Assignment. --> Brightspace

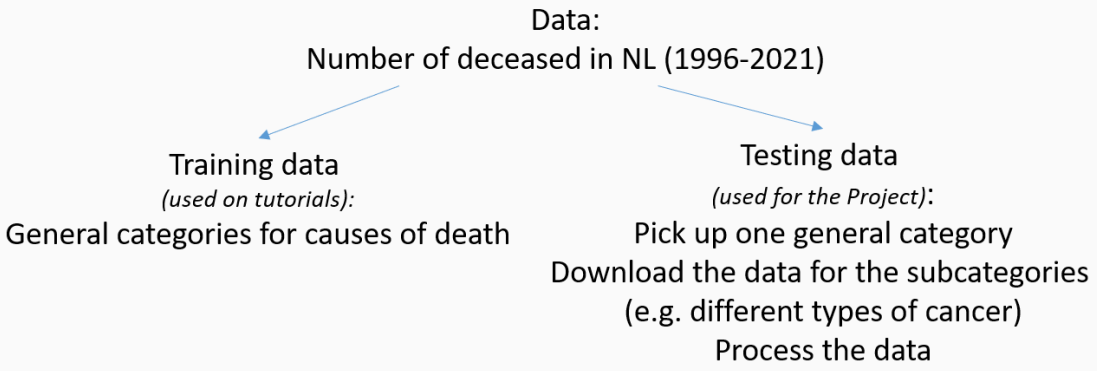
Training and testing data

In this course we use the same open data for training and evaluation purposes:

Number of deaths in the population of the Netherlands by main underlying cause of death, by age and sex, 1996-2022

https://opendata.cbs.nl/statline/portal.html?_la=en&_catalog=CBS&tableId=7233ENG&_theme=1120

Identifier: 7233ENG



Assignment

Made two different visualizations using ggplot2 using testing data:

- specify at least 5 out of 7 grammar of graphics' layers for each visualization
- make them knowledgeable (so that you can make a right conclusion looking at the plot)
- present them with a short description in .Rmd and .pdf format
- upload two files (.Rmd and .pdf) to the Brightspace. Alternatively, you can also submit .R and .pdf if you have difficulties with Rmarkdown.

How to generate .pdf from .Rmd

You can use this code:

```
library(renderthis)
library(pdftools)

to_pdf("Project.Rmd")
```

or you can adjust the YAML metadata in your .Rmd file:

```
---
title: "Data Vizualization in R Project"
author: John Doe
date: March, 2023
output: pdf_document
---
```

you can learn more about it in R markdown: the Defenitive Guide