

# DAT470/DIT065 Assignment 1

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This is a template for a report for creating assignment reports for the course *Computational Techniques for Large-Scale Data*.

## Problem 1

Please create sections that match the problems you are solving. If you need figures or tables, do not forget to refer to them like so: we see the results in Figure 1 and Table 1.

If you need to cite external sources, do so by placing the literature information in the file `refs.bib` in BibTeX format and use the `\cite` command, like so: In the first assignment, we use data from SCB [1].

The most convenient way to edit and compile this file is by using Overleaf. However, if you have a local L<sup>A</sup>T<sub>E</sub>X installation, you can compile the file by issuing the following commands:

```
$ pdflatex report.tex
$ biber report
$ pdflatex report.tex
$ pdflatex report.tex
```

Finally, in this course, you are supposed to *submit source code separately*. Do not include it in your report (unless explicitly asked to), but instead submit it as a separate Python file. *Respect the filenames you are requested to use, and the interface for the program so that it can be tested automatically without modification.*

Table 1: Nordic countries' area and population.

Country	Area (km <sup>2</sup> )	Population
Denmark	43,094	5,935,619
Finland	338,145	5,614,571
Iceland	103,125	387,800
Norway	385,207	5,488,984
Sweden	450,295	10,540,886

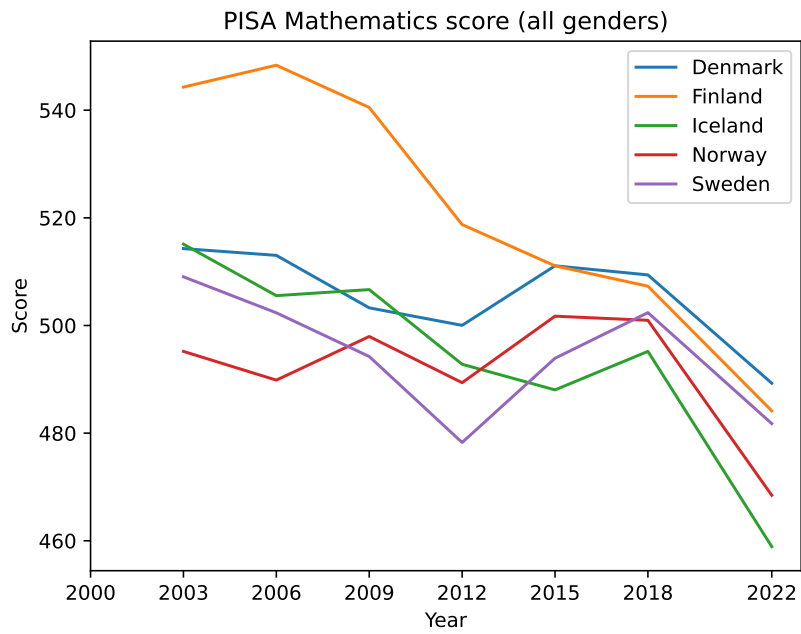


Figure 1: PISA mathematics score in different nordic countries.

## References

- [1] Statistiska centralbyrån. *Folkmängden efter ålder och kön. År 1860 - 2022*. Retrieved 2023-10-20. 2023. URL: [https://www.statistikdatabasen.scb.se/pxweb/sv/ssd/START\\_BE\\_BE0101\\_BE0101A/BefolkningR1860N/](https://www.statistikdatabasen.scb.se/pxweb/sv/ssd/START_BE_BE0101_BE0101A/BefolkningR1860N/).