## Data analysis

Epidemiological data analysis with R Lecture 3



## Compute

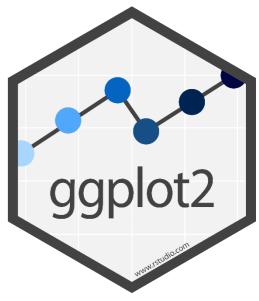
- Confirmed cases in under and above 5 years by municipality in 2018
  - Same at national level
- Test positivity rate in all ages by municipality, month and age
- Incidence of confirmed cases in all ages in by municipality and month
- Incidence of confirmed cases in all ages by municipality in 2018

Hint: we are not interested by the number of health facilities – how can you have one row per Admin1 and month? How may rows are these?



## Basic plot with ggplot2

- ggplot2 is an R package for plots
- Modular: start with ggplot(), then add elements with +



<u>Cheatsheet</u>



## Feedback





https://docs.google.com/forms/d/e/1FAIpQLSemM01aWBsErD\_RsLOBIeRyQOpxai3J1vCZGRFpC9tZjV9osw/viewform?usp=sf\_link