**Data Visualization with R (ggplot2 and likert)**

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**Description**

This workshop focuses on data visualization with R. In this workshop, we will learn how to produce, refine, and present effective visualizations generated from datasets, summary tables, or the output of statistical models using ggplot2 and likert in R. Topics covered include plotting continuous and categorical variables, layering information on graphics, modifying the visualizations, faceting grouped data to produce multiple plots, transforming data to easily produce visual summaries.

**Aims**

By the end of this seminar, you will:

• Understand the basic principles behind effective data visualization with ggplot2 and likert

• Have a practical sense for why some graphs and figures work well while others may fail to inform or actively mislead

• Know how to create a wide range of plots in R using ggplot2 and likert

• Know how to refine plots for effective presentation

**Prerequisites**

The course requires that you have basic working knowledge of R and how to work in/with RStudio. In preparation of the workshop, please carefully read this tutorial: <https://slcladal.github.io/intror.html>

**Bring your own data**

If you are attending the workshop, it would be great if you could send me data that you would like to visualize before Jan. 10, 2022. Simply send the data as a xlsx to [martin.schweinberger@uit.no](mailto:martin.schweinberger@uit.no); in your mail, please describe what and how you would like to visualize the data.

The workshop will build on but substantively expand these tutorials on data visualization: <https://slcladal.github.io/introviz.html> and <https://slcladal.github.io/dviz.html>

**Materials**

Materials and links to documents will be made available later down the line.