# Homework 4

For this Visualisation assignment, you engage in two tasks and submit an **rmarkdown document** with a **knitted result** that collects the results of both tasks:

**A:**

Visualize the duration of reign among Danish kings **through time**(showing the diachronic trend from ca 900 - today on the x axis) with **ggplot**.

Use the dataset you/your group has created and submit both the script and the visualisation, ideally as part of an rmarkdown and html document (for details see bottom of this page).

Experiment with geom\_point(), geom\_line() or geom\_smooth() functions for the geometry.

**B:** Historical homicide trends across Western Europe (ggplot practice)<https://github.com/Digital-Methods-HASS/HomicideHistory>

How to complete this assignment: I am asking you to work with assignments from Github and submit answers to Github. You can do so manually following step in Manual guide, or on the command-line(CLI)

Manual guide:

* Download the homework repository
* Look at the .html file to see the tasks
* Edit the .Rmd file to complete the tasks (ie. create additional code chunks and comments in the text sections) and then press the Knit button to render the results as a new .html file the same way you did in Week 01 UN Votes exercise
* Upload these via 'Upload File' button to your au##### folder in Digital-Methods-HASS organization.

Submit here a \*link\* to **your** **au#####** repository in https://github.com/Digital-Methods-HASS ... which leads directly to the place where you have posted your solution as **both** **.Rmd** and **.html** files.

*Note: if you are unsure that you uploaded the .html to Github correctly, use https://htmlpreview.github.io/ to preview it!*

## Besvarelse af opgave A:

#Starter med at downloade vigtige pakker ned:

* library(tidyverse)
* library(ggplot2)

#Henter derefter mit spreadsheet over kongerækken

* Kongerækker <- read\_csv2("spreadsheet\_for\_kongerækken.csv")

#Jeg laver et object som har en x-akse der viser længden af regeringsperioden.

* kongerækker\_plotting <- Kongerækker %>% mutate(regeringsperiode\_længde=Slutning\_på\_regeringstid-Start\_på\_regeringstid)

#Jeg kan nu plotte en akse over regeringsperioden for de forskellige konger/dronninger

* kongerækker\_plotting %>%

ggplot(aes(x=regeringsperiode\_længde, y = Navne))+

geom\_col(alpha = 0.5)+

theme\_classic()

#til sidst gemmer jeg mit billede

* ggsave("Figures/kongerække\_og\_periode.png")

Understående er mit forsøg på en visualisering:

<https://github.com/Digital-Methods-HASS/AU668370_Hintze_Frederik/blob/main/konger%C3%A6kke_og_periode.png>

## Besvarelse opgave B:

Her er min besvarelse til anden del af opgaven:

<https://github.com/Digital-Methods-HASS/AU668370_Hintze_Frederik/tree/main>