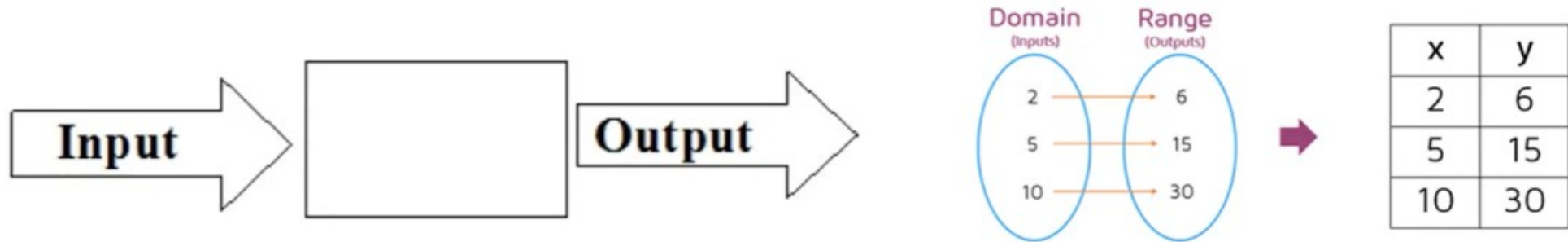


AGENDA

1. Introduction to three common concepts: **functions**, **directories**, **projects** and **RMarkdown**.
2. Exercise 1: Patient data
3. Exercise 2: Senator tweets
4. Exercise 3: Rstudio primer (The Basics/Programming basics)

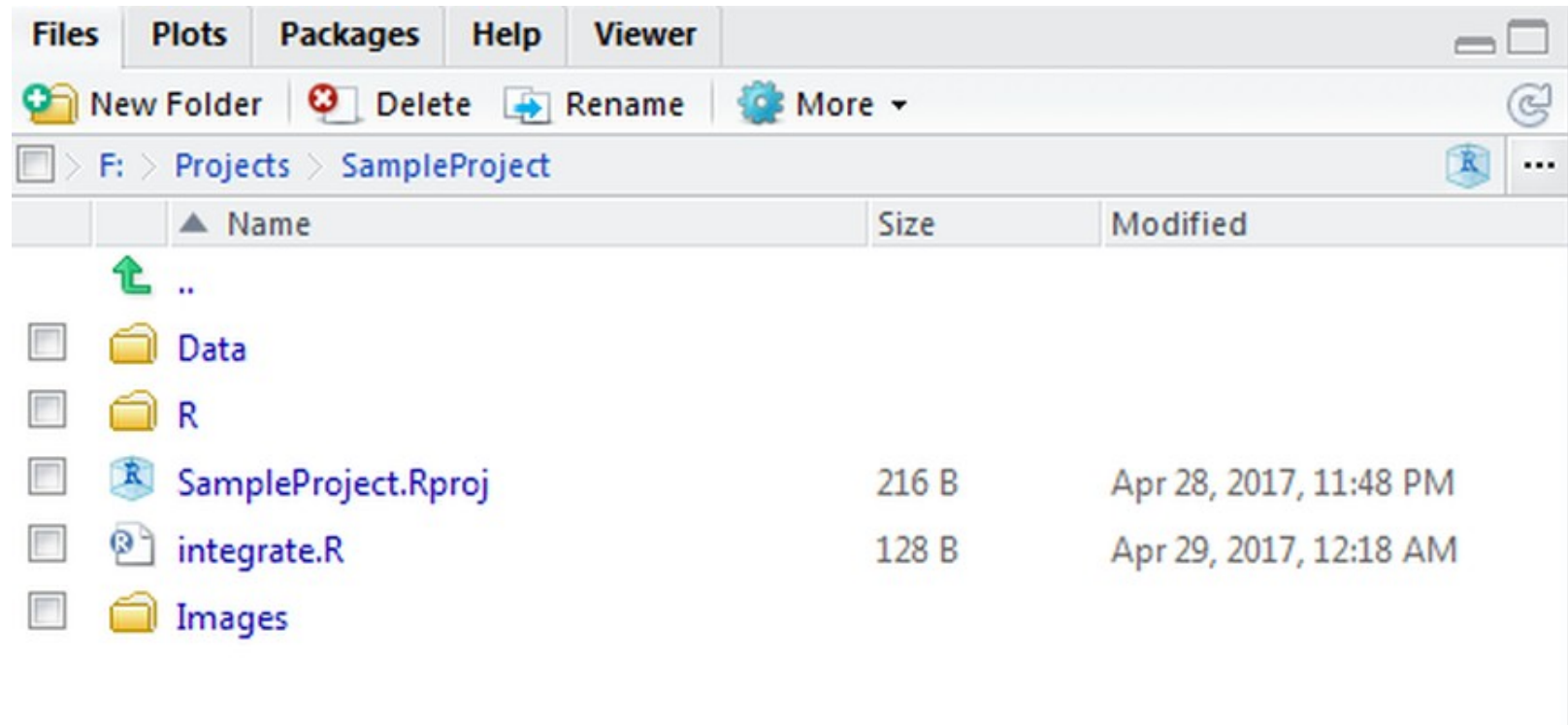
WHAT IS A FUNCTION?

$$f(x)=y?$$



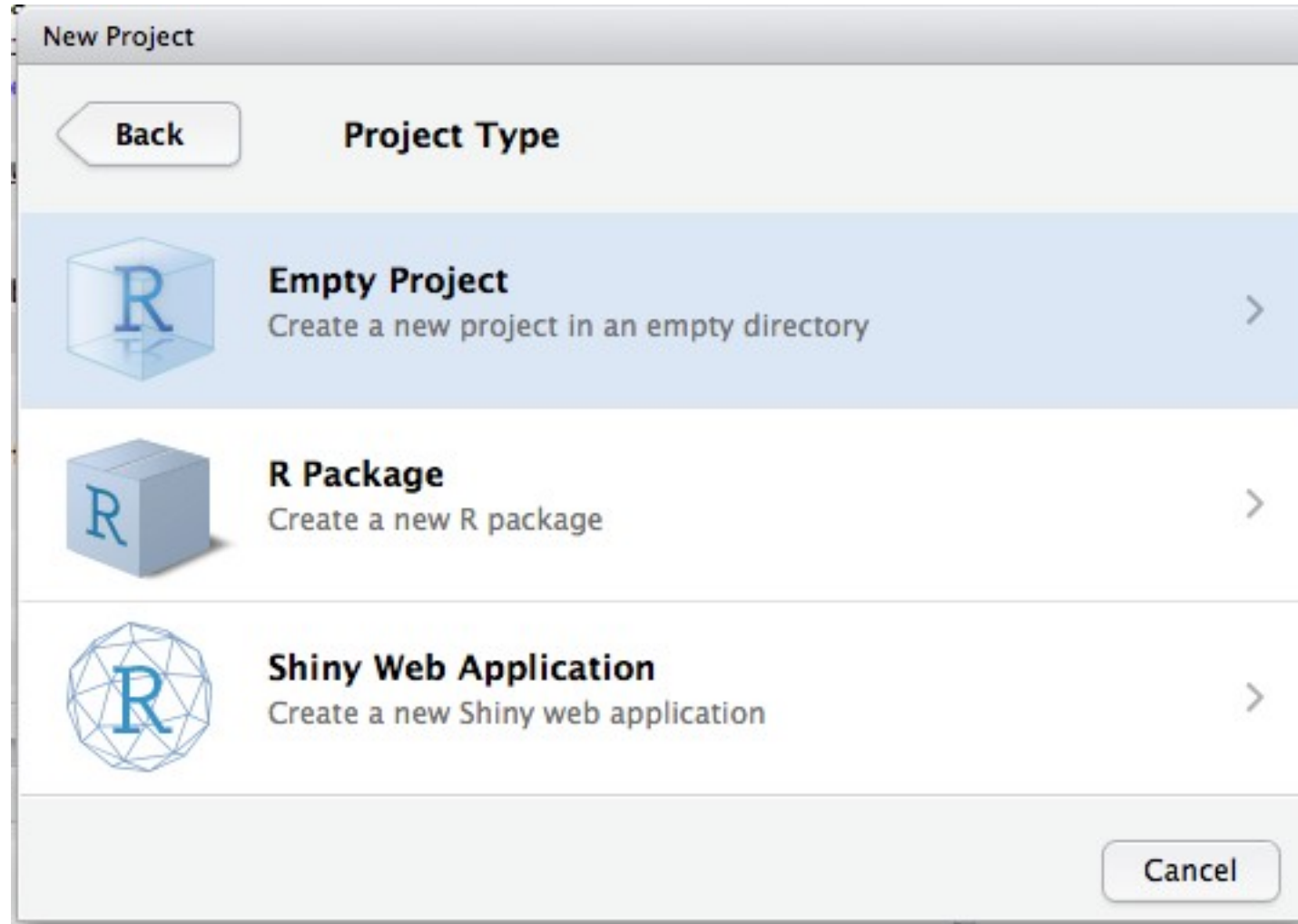
<https://twitter.com/rfunctionaday>

WORKING DIRECTORIES



```
setwd("/Users/au541832/OneDrive - Aarhus Universitet/Research/Study2/Analysis/2A_dataanalysis/Data")
```

R PROJECTS








⇒ "project_name.Rproj"

R MARKDOWN



EXERCISE 1: ANALYZING PATIENT DATA

Inflammation data

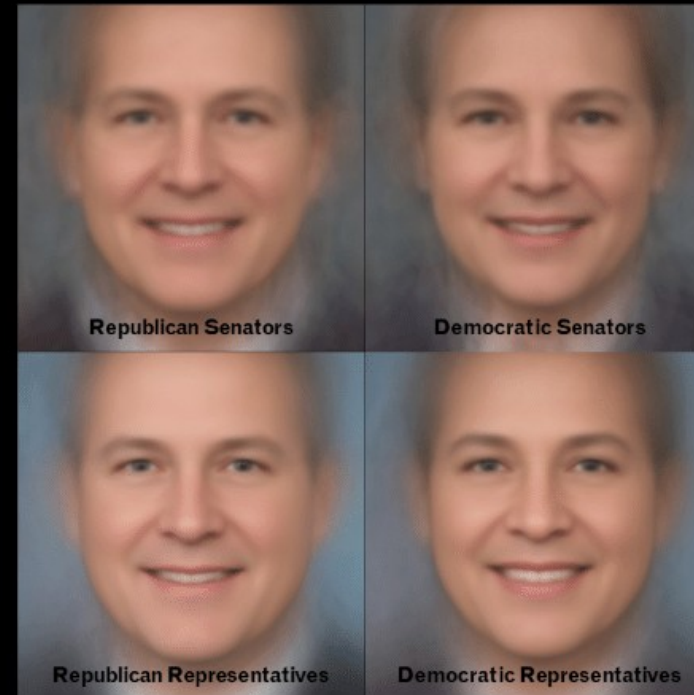
Patients	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	
	0	0	1	3	1	2	4	
	0	1	2	1	2	1	3	
	0	1	1	3	3	2	6	
	0	0	2	0	4	2	2	
	0	1	1	3	3	1	3	

EXERCISE 2: SENATOR DATA



Who is Represented?

Averaged faces of the elected members of the
116th United States Congress



NEXT TIME

- Date: 23.09.2021 (14.00 – 16.00)
- Before class: finish exercise on patient data
- Topic: Data wrangling
- Exercise: Datacamp Dplyr module (remember to bring headphones because you will be watching videos) + Rstudio primer

DEPARTMENT OF MANAGEMENT
AARHUS UNIVERSITY