



# Danish Diabetes Academy

Reproducible Quantitative  
Methods: Data Analysis  
Workflow Using R

4-5 & 18-19 March 2019

Milling Hotel Park  
Viaduktvej 28  
DK-5500 Middelfart

# Programme

## Monday 4 March



09:30–10:00	Arrival & registration; Coffee and snacks
10:00–10:30	Introduction to the course, reproducibility and open science (Lecture) - by Luke Johnston
10:30–12:30	Project Management, best practices and version control (Code-along) - by Luke Johnston
12:30–13:15	Lunch
13:15–15:00	Data Management, wrangling and best practices (Code-along) - by Anna Schritz
15:00–15:45	Science in the era of (ir) reproducibility (Lecture) - by Daniel Witte
15:45–16:00	Coffee break; forming groups and hands-on practical work
16:00–16:45	Collaboration & teamwork in research (Lecture) - by Daniel Witte
16:45–17:00	Describe assignment - by Luke Johnston
17:00–17:40	Form groups & exercises (Group work)
17:40–18:30	Free time
18:30–20:00	Dinner

# Programme

## Tuesday 5 March

07:00-07:30	Morning swim/run (optional)
07:30-08:30	Breakfast
08:30-09:00	Review of last day's topic (Lecture) – by Luke Johnston & Anna Schritz
09:00-09:45	Finding and obtaining open datasets (Lecture) - by Daniel Witte
09:45-11:45	Version control & collaborative practices (Code-along) – by Luke Johnston
11:45-12:15	Group hands-on practical work (Group work)
12:15-13:00	Lunch
13:00-15:15	Data visualization & best practices (Code along) – by Anna Schritz
15:15-15:30	Wrap up

# Programme

## Monday 18 March

09:30-10:00	Arrival & registration; Coffee & snacks
10:00-10:30	Review of last session's topics (Lecture) – by Luke Johnston
10:30-12:30	Creating reproducible documents (Code-along) – by João Santiago
12:30-13:15	Lunch
13:15-15:15	Efficiency in data analysis and best practices (Code-along) – by Luke Johnston
15:15-16:00	TBD (Lecture)
15:45-16:15	Coffee break
16:15-17:30	Group hands-on practical work (Group work)
17:30-18:30	Free time
18:30-20:00	Dinner

# Programme

## Tuesday 19 March

07:00-07:30	Morning swim/run (optional)
07:30-8:30	Breakfast
08:30-09:30	Review of last day's topics (Lecture) – by Luke Johnston & João Santiago
09:30-10:30	Data analysis in the era of reproducibility and open science (Lecture) – by Luke Johnston & Daniel Witte
10:30-12:15	Hands-on practical work and coding exercises (Group work)
12:15-13:00	Lunch
13:00-13:30	Publishing your project's output (code and paper) (Lecture) – by Luke Johnston
13:30-14:30	Presentations of group work (Group work)
14:30-15:15	Discussion of assignment
15:15-15:30	Closing remarks

