

| Day 1, 26 April 2021 |          |          |  |
|----------------------|----------|----------|--|
| Time start           | Time end | Duration | Subject  |
| 10:00                | 10:20    | 00:20    | Welcome to the course, introduction to RECON                                   |
| 10:20                | 10:35    | 00:15    | Setting expectations for course  |
| 10:35                | 10:50    | 00:15    | Outlook for day 1  |
| 10:50                | 11:00    | 00:10    | BREAK  |
| 11:00                | 12:00    | 01:00    | LECTURE: Introduction to R (and ensuring everyone has installed R and RStudio) |
| 12:00                | 13:00    | 01:00    | LUNCH  |
| 13:00                | 14:45    | 01:45    | INTERACTIVE LECTURE: Introduction to RStudio                                   |
| 14:45                | 15:00    | 00:15    | Wrap-up  |

| Day 2, 27 April 2021 |          |          |  |
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| Time start           | Time end | Duration | Subject  |
| 10:00                | 10:15    | 00:15    | Outlook for day 2  |
| 10:15                | 10:30    | 00:15    | Introduction to Stegen case study                        |
| 10:30                | 11:00    | 00:30    | LECTURE: Importing data into R                           |
| 11:00                | 11:10    | 00:10    | BREAK  |
| 11:10                | 11:30    | 00:20    | Case study: Initial data processing                      |
| 11:30                | 12:00    | 00:30    | Case study: Overview and summaries                       |
| 12:00                | 13:00    | 01:00    | LUNCH  |
| 13:00                | 14:00    | 01:00    | LECTURE: Good practices for data science/reproducibility |
| 14:00                | 14:10    | 00:10    | BREAK  |
| 14:10                | 14:45    | 00:40    | Case study: Summarising and data exploration             |
| 14:45                | 15:00    | 00:15    | Wrap-up  |

| Day 3, 28 April 2021 |          |          |  |
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| Time start           | Time end | Duration | Subject                                      |
| 10:00                | 10:15    | 00:15    | Outlook for day 3                            |
| 10:15                | 11:00    | 00:45    | Case study: Graphical exploration            |
| 11:00                | 11:10    | 00:10    | BREAK  |
| 11:10                | 11:30    | 00:20    | Case study: Graphical exploration            |
| 11:30                | 12:00    | 00:30    | Case study: Descriptive analysis             |
| 12:00                | 13:00    | 01:00    | LUNCH  |
| 13:00                | 13:30    | 00:30    | LECTURE: ggplot                              |
| 13:30                | 14:00    | 00:30    | Case study: Descriptive analysis + functions |
| 14:00                | 14:10    | 00:10    | BREAK  |
| 14:10                | 14:50    | 00:30    | Case study: Descriptive analysis + functions |
| 14:50                | 15:00    | 00:10    | Wrap-up                                      |

| Day 4, 29 April 2021 |          |          |                                       |
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| Time start           | Time end | Duration | Subject                               |
| 10:00                | 10:15    | 00:15    | Outlook for day 4                     |
| 10:15                | 10:50    | 00:35    | LECTURE: Reproducibility in Rmarkdown |
| 10:50                | 11:00    | 00:10    | BREAK                                 |
| 11:00                | 12:00    | 01:00    | Case study: Spatial analysis + maps   |
| 12:00                | 13:00    | 01:00    | LUNCH                                 |
| 13:00                | 13:40    | 00:40    | Case study: finishing up and wrap up  |
| 13:40                | 14:00    | 00:20    | Trainer R project examples            |
| 14:00                | 14:10    | 00:10    | BREAK                                 |
| 14:10                | 14:30    | 00:20    | Trainer R project examples            |
| 14:30                | 15:00    | 00:30    | Course wrap-up                        |