# Introduction to R, SQL and Git training

Expansion plan

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| Session # (current) | Session # (new) | Title | Notes |
| 1 | 1 | **The basics** | AM:   * change from .qmd to .R * move explanation of packages here * add read\_csv() |
| 2 | 2 | **Data visualisation** | AM:   * remove explanation of packages * add line charts |
| (new) | 3 | **Data import** | ST:   * Create material (xlsx, dta, rds, fst, connecting to a SQL database and running a simple query) |
| 3 | 4 | **Data summaries** | AM:   * Replace {summarytools} with {janitor} |
| (new) | 5 | **Data structures** | ST:   * Create material (vectors, dataframes, factors, …) |
| 4 | 6 | **Data subsets** | No changes required. Consider inverting with data summaries? |
| 5 | 7 | **Data transformations** | AM:   * remove read\_rds training * remove age calculation * this is very long, consider splitting into two? |
| 6 | 8 | **Data cleaning** | AM:   * remove importing training |
| 7 | 9 | **Data reshaping** | No changes required |
| (new) | 10 | **Using SQL** | AM:   * Create material (general structure of SQL databases select, where, join; saving to database) |
| (new) | 11 | **Using Git and GitLab** | ST:   * Create material |
| (new) | 12 | **Markdown reports** | AM:   * Create material |
| (new) | 13 | **Working norms** | ST:   * Create material (folder structure etc) * Maybe add about updating R/Rstudio/packages? |
| 8 | (removed) | **Data analysis of continuous outcomes** |  |
| 9 | (removed) | **Data analysis of binary outcomes** |  |