# Introduction to R, SQL and Git training

Expansion plan

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| --- | --- | --- | --- | --- | --- |
| Session # (current) | Session # (new) | Title | Notes | Code status | Slides status |
| 1 | 01 | **The basics** | AM:   * move explanation of packages here * add read\_csv() | Updated | To update |
| 2 | 02 | **Data visualisation** | AM:   * remove explanation of packages * add line charts | Updated | To update |
| (new) | 03 | **Data import** | * Create material (xlsx, dta, rds, fst, connecting to a SQL database and running a simple query) | Written | Need to create |
| 3 | 04 | **Data summaries** | AM:   * Replace {summarytools} with {janitor} | Updated | To update |
| (new) | 05 | **Data classes** | AM:   * Create material (vectors, dataframes, factors, …) | Need to add exercises | Need to create |
| 4 | 06 | **Data subsets** | * Remove base R stuff * Remove %$% * Add slice\_, arrange, drop\_na | Updated | To update |
| 5 | 07 | **Data transformations** | AM:   * remove read\_rds training * remove age calculation * this is very long, consider splitting into two? | Updated | To update |
| 6 | 08 | **Data cleaning** | AM:   * remove importing training * maybe add distinct()? NOT DONE - too long already | Updated | To update |
| 7 | 09 | **Data reshaping** | No changes required | Updated | Not needed |
| (new) | 10 | **Using SQL** | AM:   * Create material (general structure of SQL databases; select, where, join; saving to database) | Created |  |
| (new) | 11 | **Using Git and GitLab** | ST:   * Create material |  |  |
| (new) | 12 | **Markdown reports** | AM:   * Create material | Created |  |
| (new) | 13 | **Workflows** | ST:   * Create material (folder structure etc) * Maybe add about updating R/Rstudio/packages? * Maybe discourage people from adding install.packages() to top of script? | Created |  |
| 8 | (removed) | **Data analysis of continuous outcomes** |  | Removed |  |
| 9 | (removed) | **Data analysis of binary outcomes** |  | Removed |  |