Welcome to the E-learning Suite

- **<u>No Food or drink to be consumed in E-learning suite</u>** (There should be tables & chairs outside in corridor)

- We usually provide tea, coffee, water & biscuits outside at tea and coffee **breaks**.

- We are unaware of any fire-drills so if an **alarm** is sounded we will treat it as a real incident and evacuate the building via reception.

- **Toilets** are down one level (via spiral staircase near reception). At bottom of stairs turn left and then left again and follow signage. If you cannot use the stairs there is a lift.

- **Post-its** – please use them to let us know when you've completed a practical (yellow/green) and when you are having problems (red/pink). We will also use them to get immediate feedback during the day.

- **Food** – there is a Café near reception that takes cash and cards.

- **Lunch break** (30 mins or 1 hour?) – longer lunch means finishing later

- **Login** instructions are on the computer screen – note your desk number e.g. K5 and use that as username suffix.
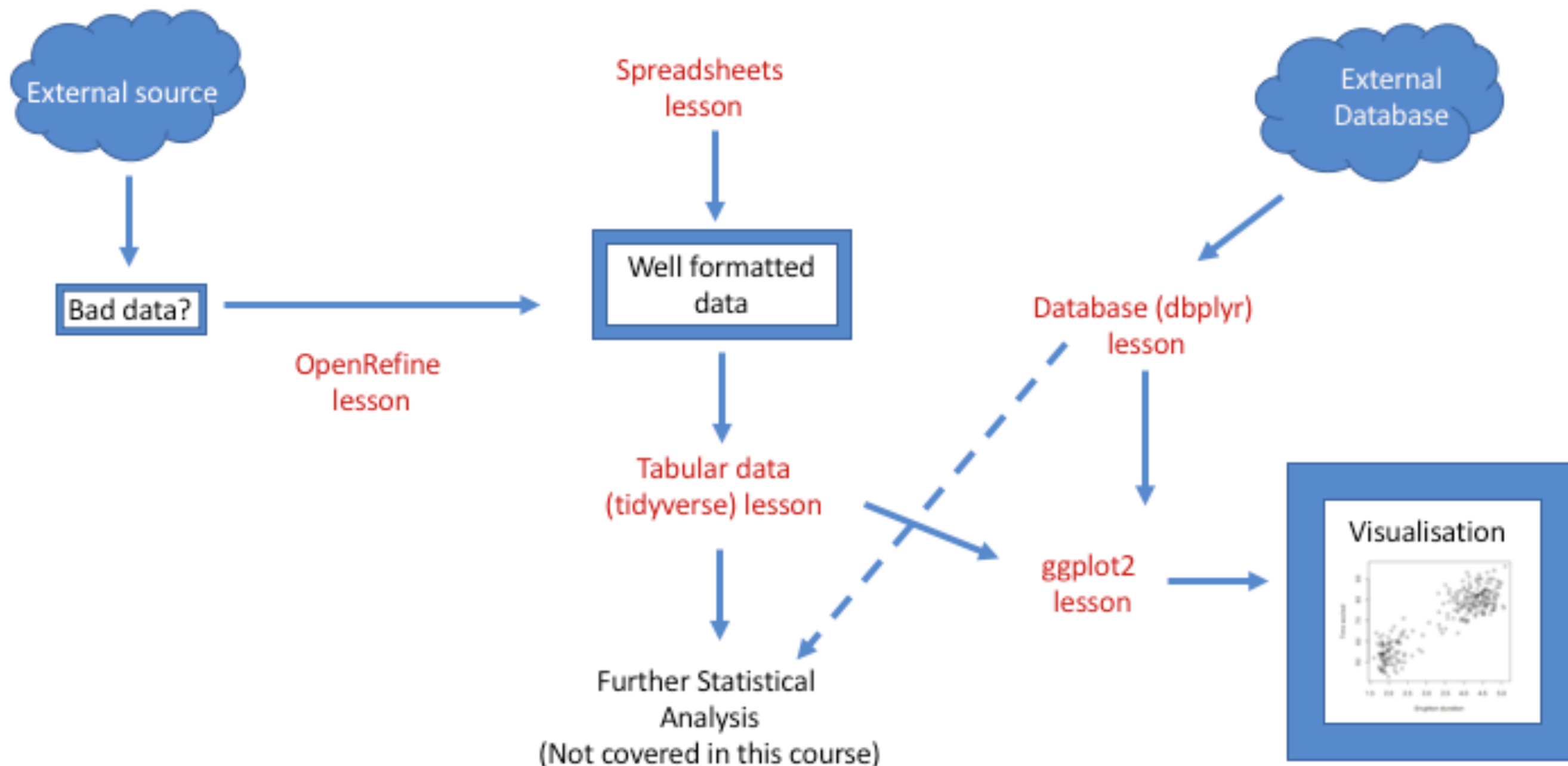
CANCER RESEARCH UK | CAMBRIDGE INSTITUTE

Data Carpentry in R

https://pad.carpentries.org/2019-01-15-CRUK-Cambridge

15-16 January 2019 - 9:30-17:30

Mark Fernandes, Anne Pajon, Ashley Sawle, Jing Su

Data Carpentry in R
https://pad.carpentries.org/2019-01-15-CRUK-Cambridge

Overview of Data Carpentry in R Course aims

External source

Spreadsheets lesson

External Database

Bad data?

Well formatted data

Database (dbplyr) lesson

OpenRefine lesson

Tabular data (tidyverse) lesson

ggplot2 lesson

Visualisation

Further Statistical Analysis
(Not covered in this course)

Data Carpentry in R

https://pad.carpentries.org/2019-01-15-CRUK-Cambridge

Day 1

Morning (Anne)
Data organisation in spreadsheet
Data cleaning with OpenRefine

Afternoon (Jing)
Overview of R and RStudio
Introduction to R
Working with tabular data in R

Day 2

Morning
Recap (Jing)
Data manipulation using the R package dplyr (Ash)

Afternoon
Data visualisation using the R package ggplot2 (Ash)
Interacting with databases from R (Mark)

Data Carpentry in R

https://pad.carpentries.org/2019-01-15-CRUK-Cambridge

Code of Conduct
*The Carpentries is a community-led project. We value the involvement of everyone in the community. We are committed to creating a **friendly** and **respectful** place for learning, teaching and contributing. All participants in our events and communications are expected to show respect and courtesy to others.*

Setup
Web browser
Spreadsheet software
OpenRefine
RStudio and R
SQLite