

# RStudio Instructor Exam - Teaching

## Lesson - Supporting Material

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# Learner Persona

# Sakhile Kubeka

## General background

- Sakhile grew up in a **rural village** in South Africa, called Dumabezwe.
- He worked extremely hard during school to **rise up** against various challenges.
- Awarded a **bursary** from an Aluminium production company to study Mechanical Engineering in Cape Town.
- He is now working for the company, as a **Process Engineer**.
- Sakhile loves the city life but is most passionate about going home to visit and support his **extended family** and help **mentor** other young, aspiring kids.



# Sakhile Kubeka

## Relevant experience

- Sakhile **started learning R at university** by chance when he got involved in a side project being run by a tutor.
- Since starting to work at the Aluminium company, he has done **some analyses** himself in R, when his supervisor allows him to get the data.
- He also recently did an additional 2 day **introduction course** called "Data Analysis in R with the TidyVerse".



# Sakhile Kubeka

## His perceived needs

- Sakhile works in a very **traditional environment** and can see lots of room for **improvement** in their processes and workflows.
- He has found it difficult to carry on **learning R by himself**, and managed to convince his department of the merits of R and to host some **internal training**.
- Sakhile is particularly interested in how to get access to the vast amounts of data they collect, and to more easily generate reports for senior management.



# Sakhile Kubeka

## Special considerations

- Sakhile is proud of himself and where he has come from, but can still feel like an "**imposter**".
- He can therefore feel **threatened or self conscious** when speaking in front of a group.



# Workshop pitch

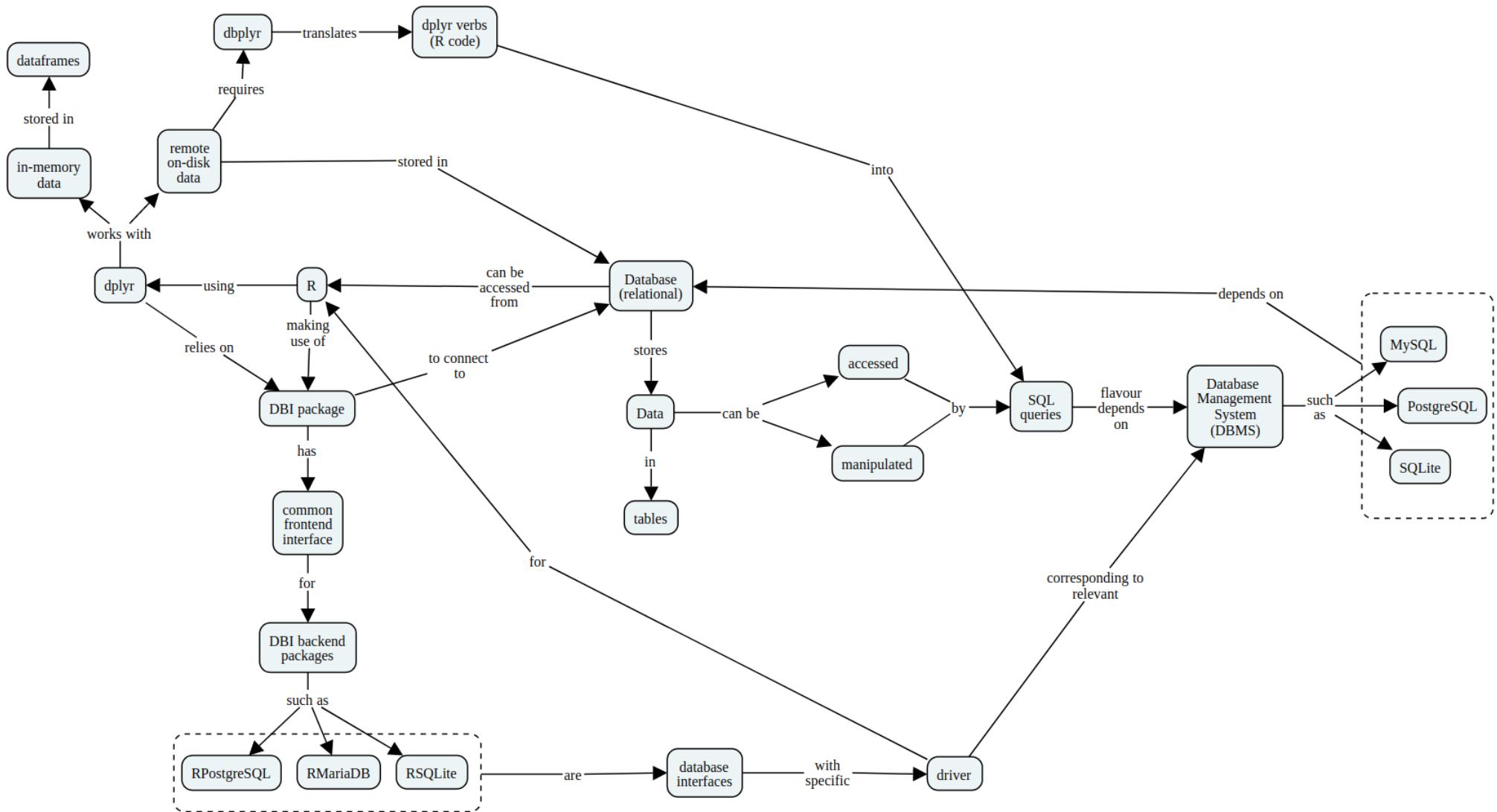
What are we going to do?

*"This one day course will help take your R skills to the next level as we learn how to efficiently get data from databases into R for analysis and then automate the reporting of your insights in RMarkdown."*

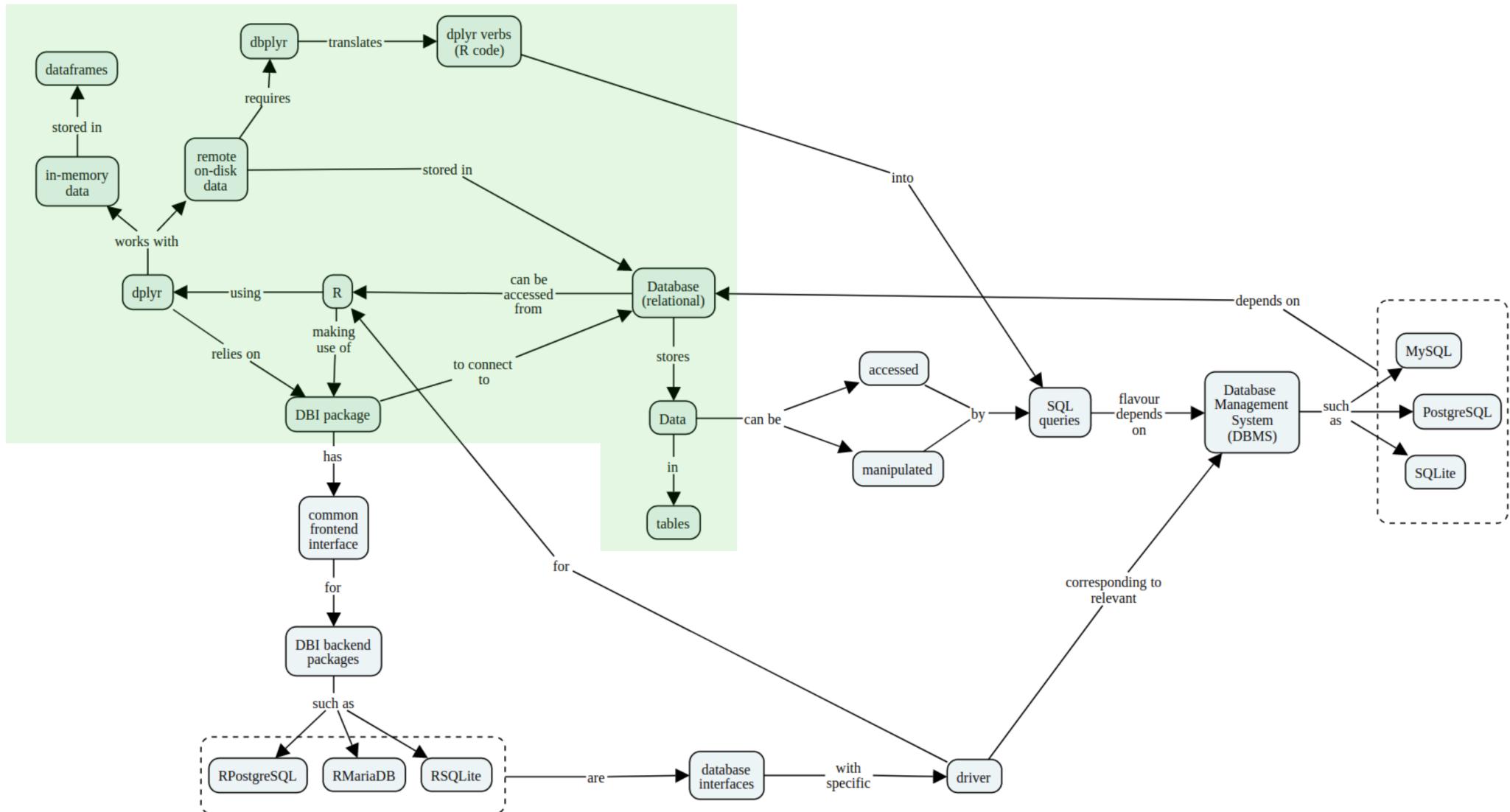


# Concept Map

This lesson has been developed in the context of a slightly longer workshop focusing on [databases from within R](#).  
I am busy developing the material for this workshop that I will be giving at the end of January.

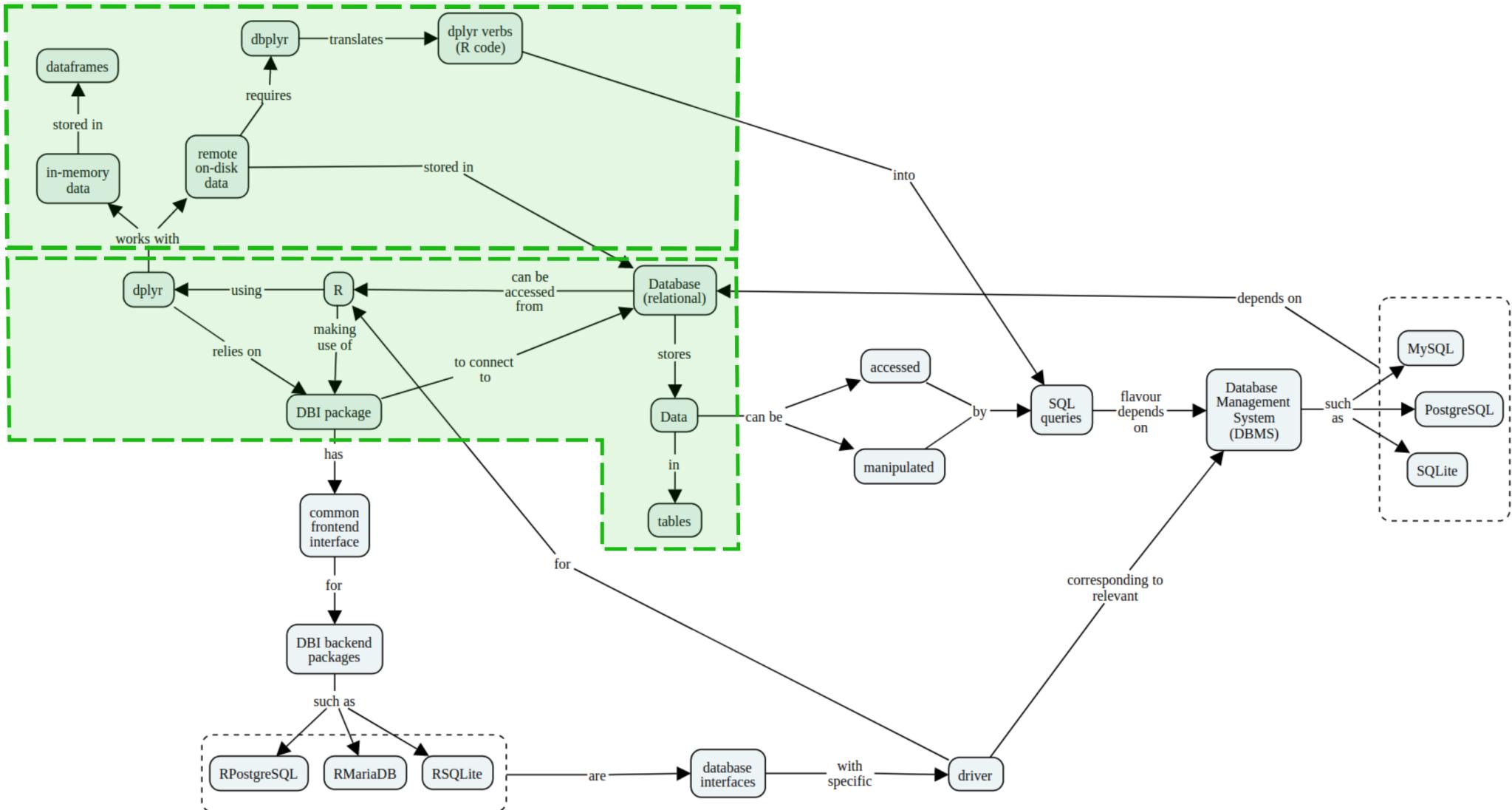


The lesson for the **RStudio Instructor Teaching Exam** will focus on an introduction to the part highlighted in green.



The lesson was designed to be broken up into two **chunks**, highlighted on the next slide, each with a **formative assessment** to check understanding, followed by a set of exercises at the end to put into **practice** what has been covered, with **scaffolded examples**.

The exercises for practice have been provided, but will not form part of the lesson presentation for the exam.



And following is the first, rough version I initially drew out for the concept map.

