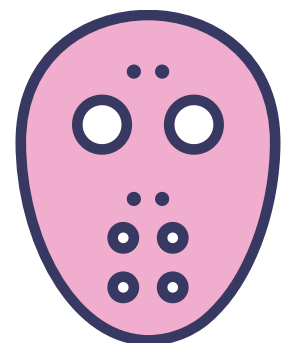




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DRYLAB MEETING

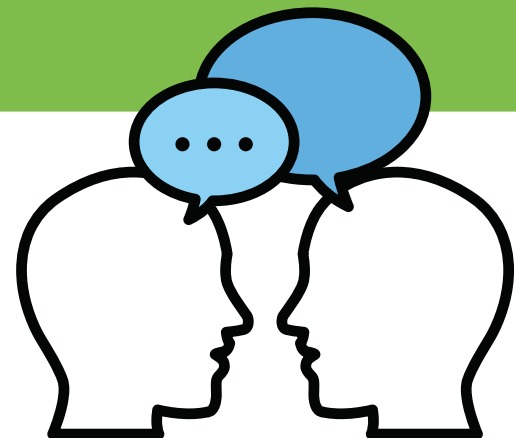


JANUARY 13 TH

AGENDA

01

3 MINUTE
SELF
REPORT
FROM WEEK



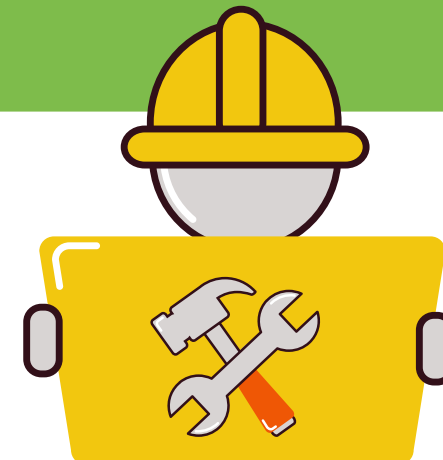
02

OTHER
REPORTS?
ISSUES?
MEETINGS?
PAPERS?



03

SAMPLE
DATABASE
CONSTRUCTION

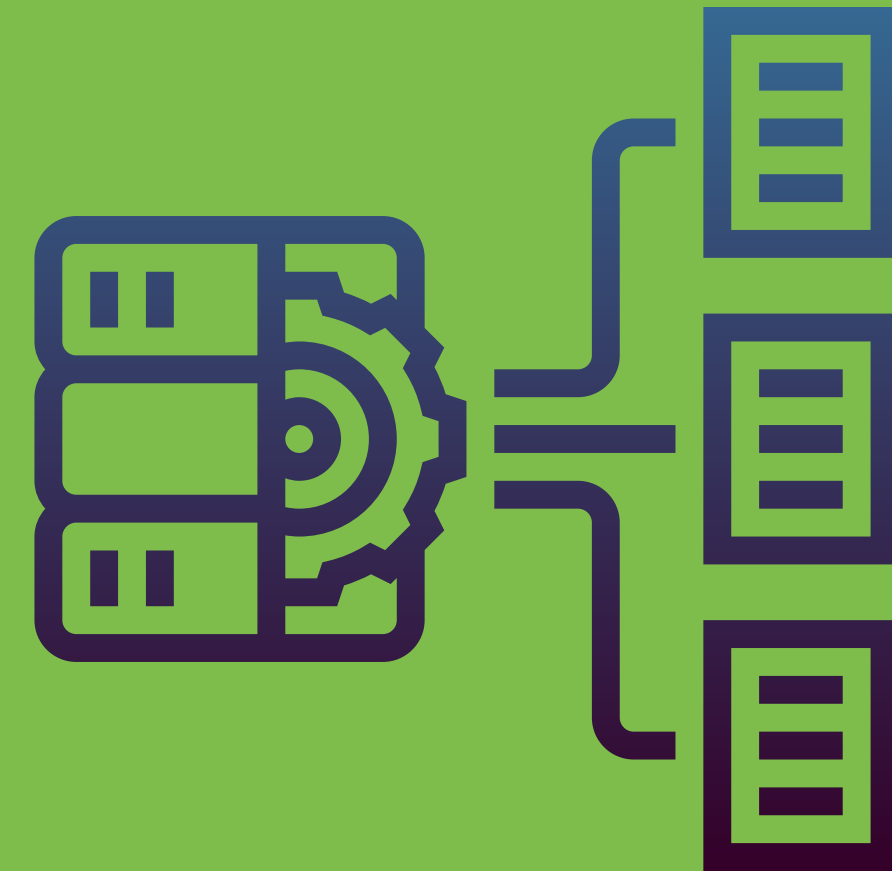


04

NEXT
MEETING



DATA MANAGEMENT MODEL AND EXAMPLE



donors	
id	varchar
species	varchar
institute	varchar
pi	varchar
age	int
gender	varchar
ethnic	varchar
left_or_right	varcher
postmortem_time_hrs	int
otherClinicInfo_or_notes	varchar

samples	
id	varchar
donorID	varchar
tissue	varchar
treatmentInfo	varchar
notes	varchar

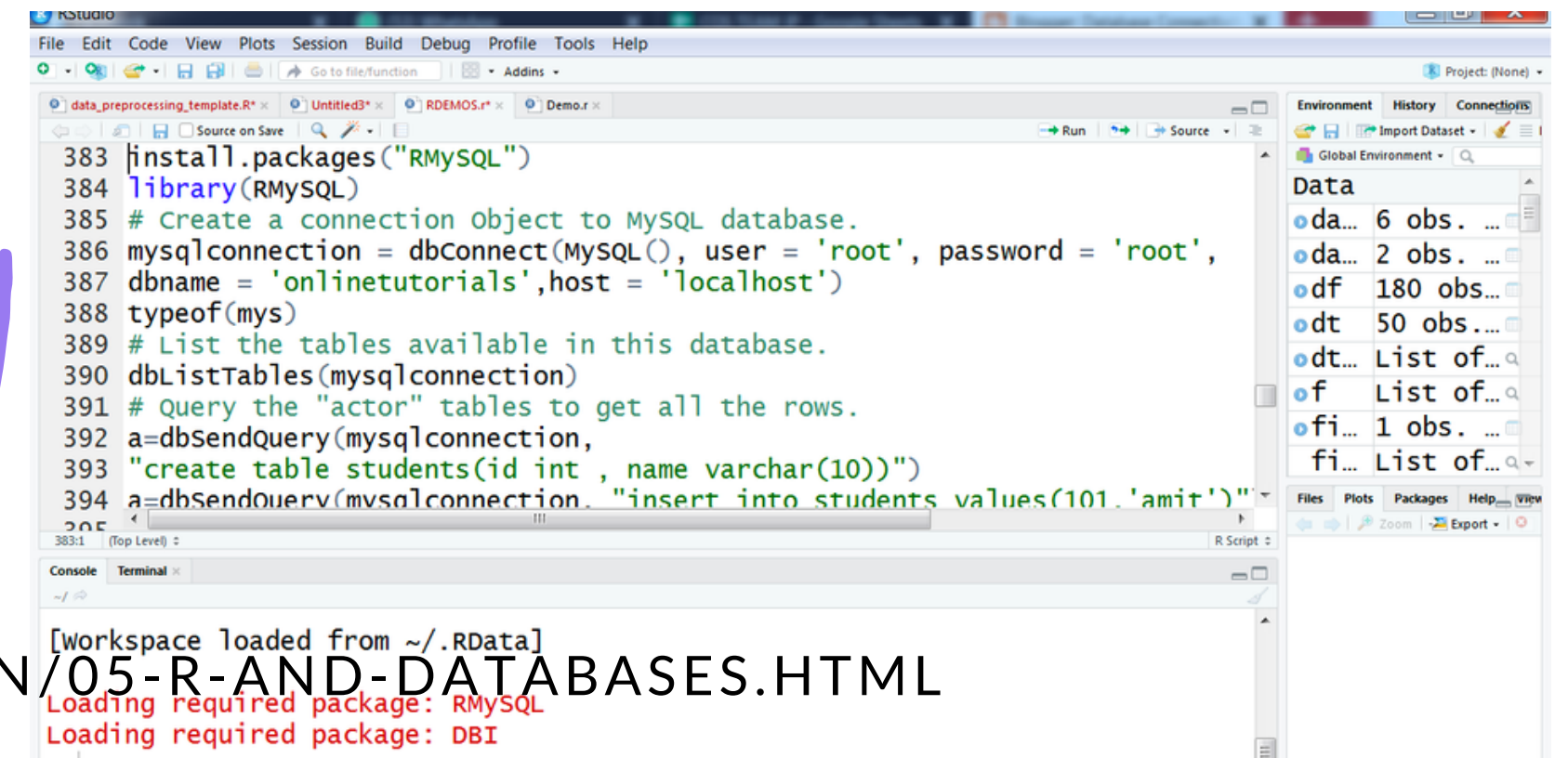
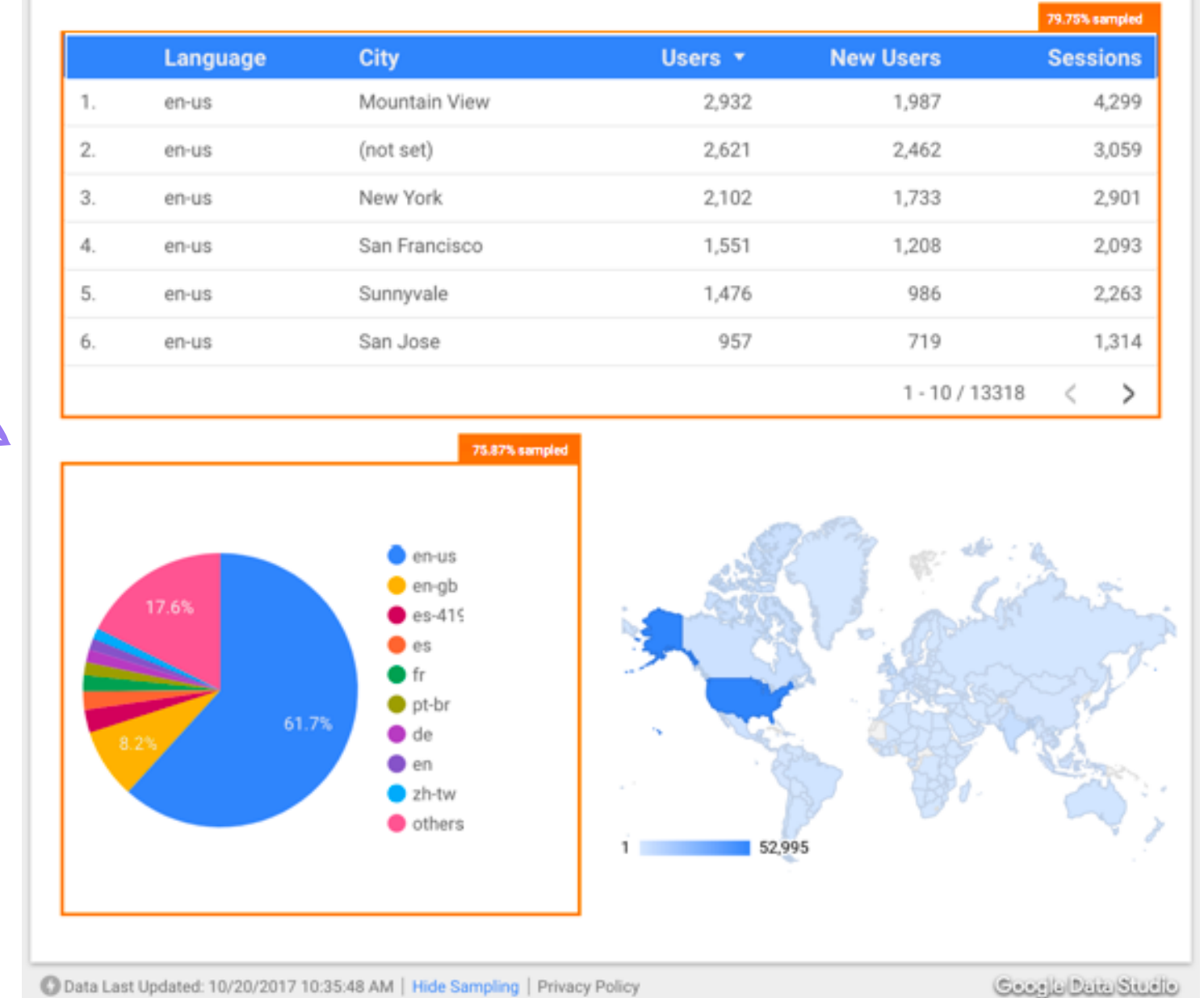
libraries	
sampleID	varchar
id	varchar
dissociation_technology	varchar
createDate	date
memberID	int

sequencing	
id	varchar
platform	varchar
libraryID	varchar
wetID	int
dryID	int
sequencingDate	date
analysisDate	date
projectID	varchar
data_file_path_on_TACO	varchar
qc_path	varchar
pipeline_software	varchar
ref_genome	varchar
num_reads	int
num_cells	int
notes	varchar

lab_members	
id	int
email	email
name	varchar

projects	
id	varchar
description	varchar
memberID	int

HOW TO IMPLEMENT

A screenshot of the RStudio interface. The main editor window shows R code for connecting to a MySQL database using the RMySQL package. The code includes comments and function calls like dbconnect, dbListTables, and dbSendQuery. The console at the bottom shows the output of the code, including the message "[Workspace loaded from ~/.RData]" and "Loading required package: RMySQL". The environment pane on the right shows the loaded data objects.

[HTTPS://DATACARPENTRY.ORG/R-ECOLOGY-LESSON/05-R-AND-DATABASES.HTML](https://datacarpentry.org/r-ecology-lesson/05-r-and-databases.html)



HTTPS://POSIT.CLOUD/SPACES/81721/CONTENT/ALL?
SORT=NAME_ASC

```
runExample("01_hello")      # a histogram
runExample("02_text")        # tables and data frames
runExample("03_reactivity")  # a reactive expression
runExample("04_mpg")         # global variables
runExample("05_sliders")     # slider bars
runExample("06_tabsets")     # tabbed panels
runExample("07_widgets")     # help text and submit buttons
runExample("08_html")        # Shiny app built from HTML
runExample("09_upload")      # file upload wizard
runExample("10_download")    # file download wizard
runExample("11_timer")       # an automated timer
```



 **posit** Cloud

Posit Cloud - Do, share, teach, and learn data science

 posit.cloud



PROTOTYPE

- MENG MADE THE LOGICAL MODEL
- 5 TABLES
- POST MORTEM TIME - CLINICAL INFORMATION - DONOR INFORMATION
- WHICH INSTITUTE - WHAT PI
- ADD TIME OF POSTMORTEM COLLECTION? LIKE 12H 24H...
- HOW TO HOST R SHINY APPLICATION?

SOME R EXAMPLES

[HTTPS://SHINY.RSTUDIO.COM/TUTORIAL/](https://shiny.rstudio.com/tutorial/)
[HTTPS://DATACARPENTRY.ORG/R-ECOLOGY-LESSON/05-R-AND-DATABASES.HTML](https://datacarpentry.org/r-ecology-lesson/05-r-and-databases.html)

SUGGESTIONS?

- JOURNAL CLUB - NEW TOOLS PIPELINES....
- KEEP GOING WITH 3 MINUTE REPORT?



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