Modeling with R and the Tidyverse

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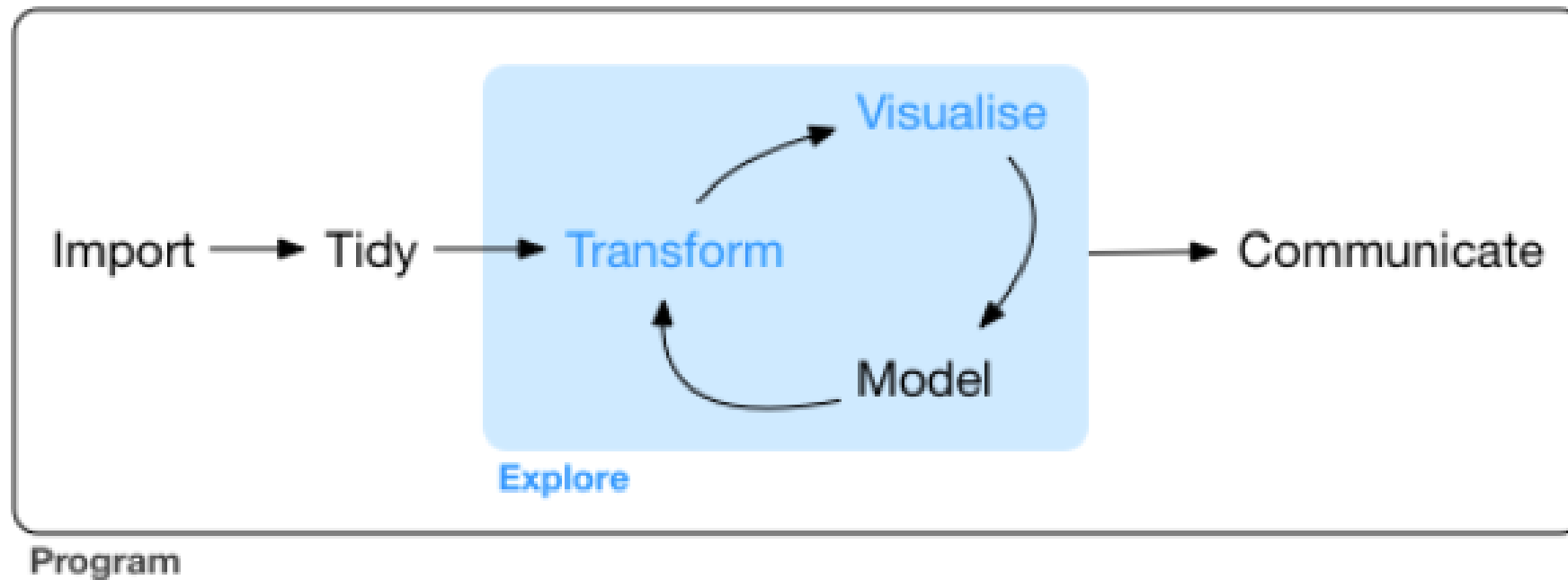
University of Connecticut

FNCE 5352

Materials

- Materials are available on github
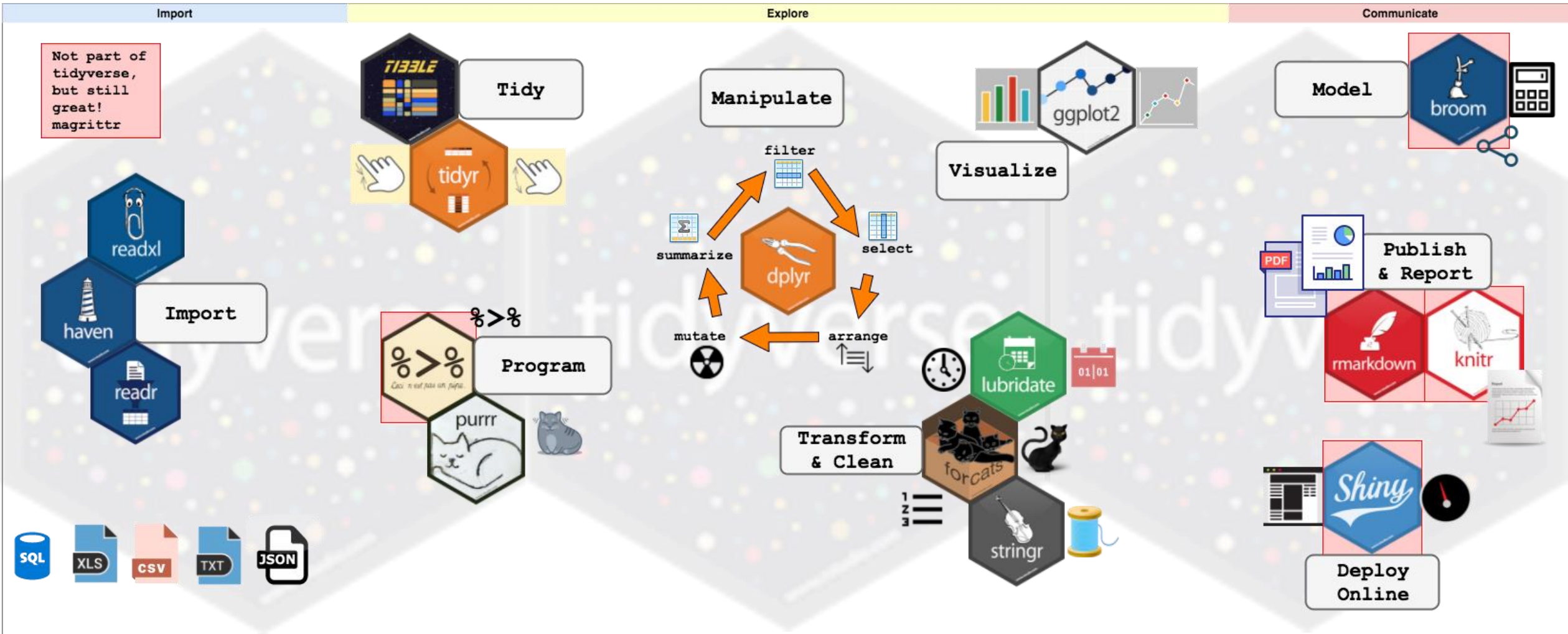 - LINK: https://github.com/mattmcd71/fnce5352_spring2021

Modeling Workflow

Focus of this course

- Model Workflow
- Tools available to support modeling workflow
- Getting things done!
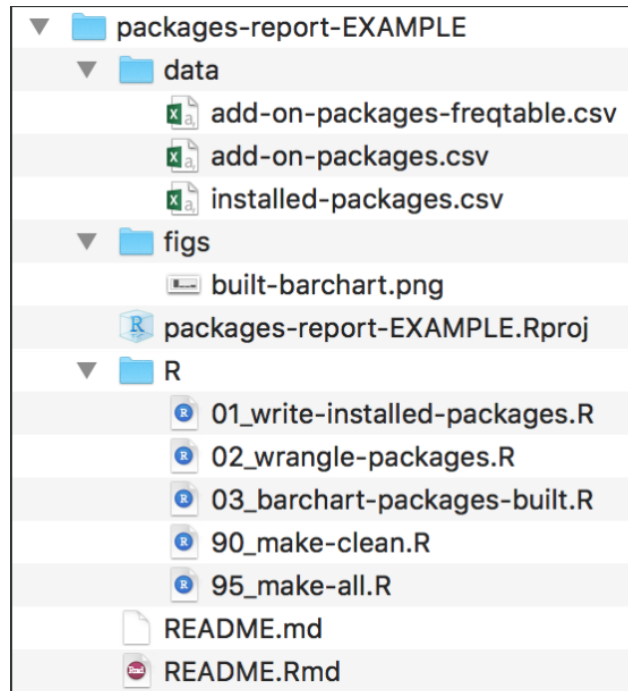
Tidyverse

Project-Based Workflow

Why?

- work on more than 1 thing at a time
- collaborate, communicate, distribute
- start and stop

Project-Based Workflow

How?

- dedicated directory
- RStudio **P**roject
- Git repo, probably syncing to a remote

Project-Based Workflow

Project-Based Workflow

```
smell-test.R
wrangle.R
model.R          >>>      everything.R
make-figs.R
report.Rmd
```

Help on the Tidyverse

- Rstudio Cheat Sheets!
  - https://www.rstudio.com/resources/cheatsheets/
- R for Data Science
  - http://r4ds.had.co.nz/
- Feature Engineering and Selection
  - https://bookdown.org/max/FES/