

Rotman

INTRO TO R – TIDYMODELS

R Workshop – Part 4 (1)

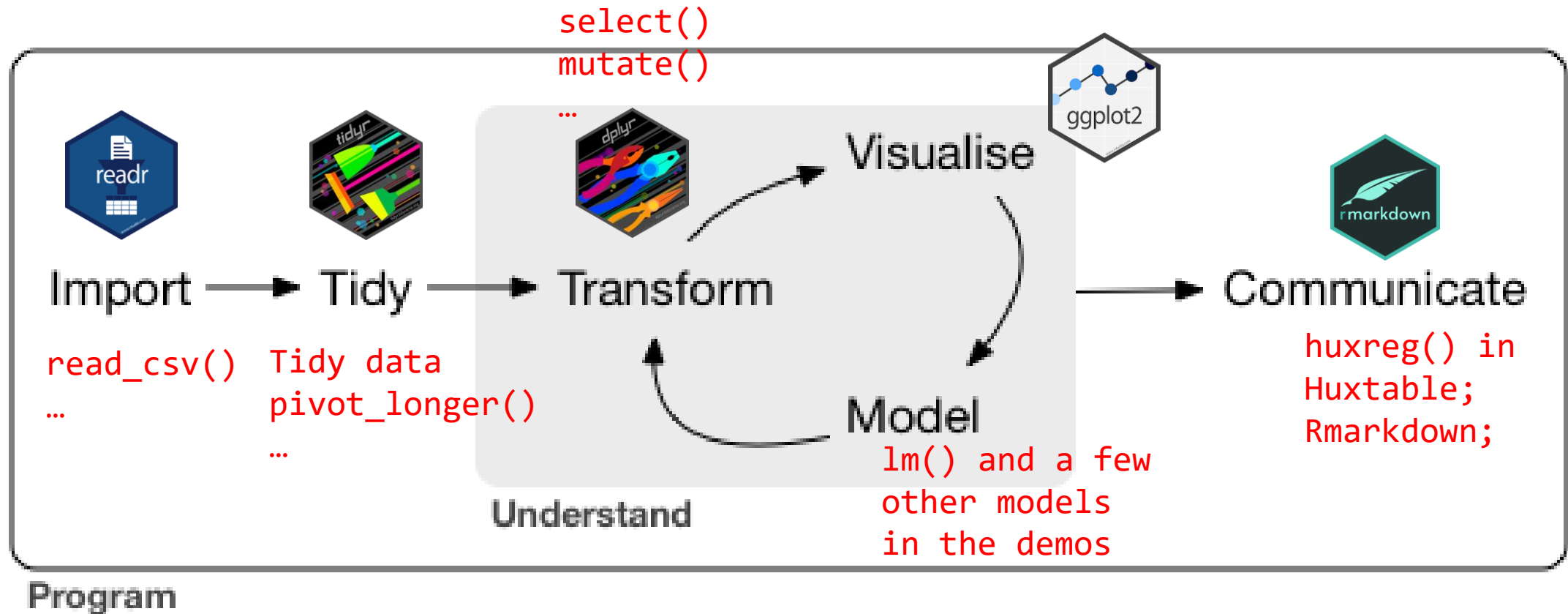
March 23, 2023 Prepared by Jay Cao / TDMDAL

Website: <https://tdmdal.github.io/r-workshop-202223-winter/>



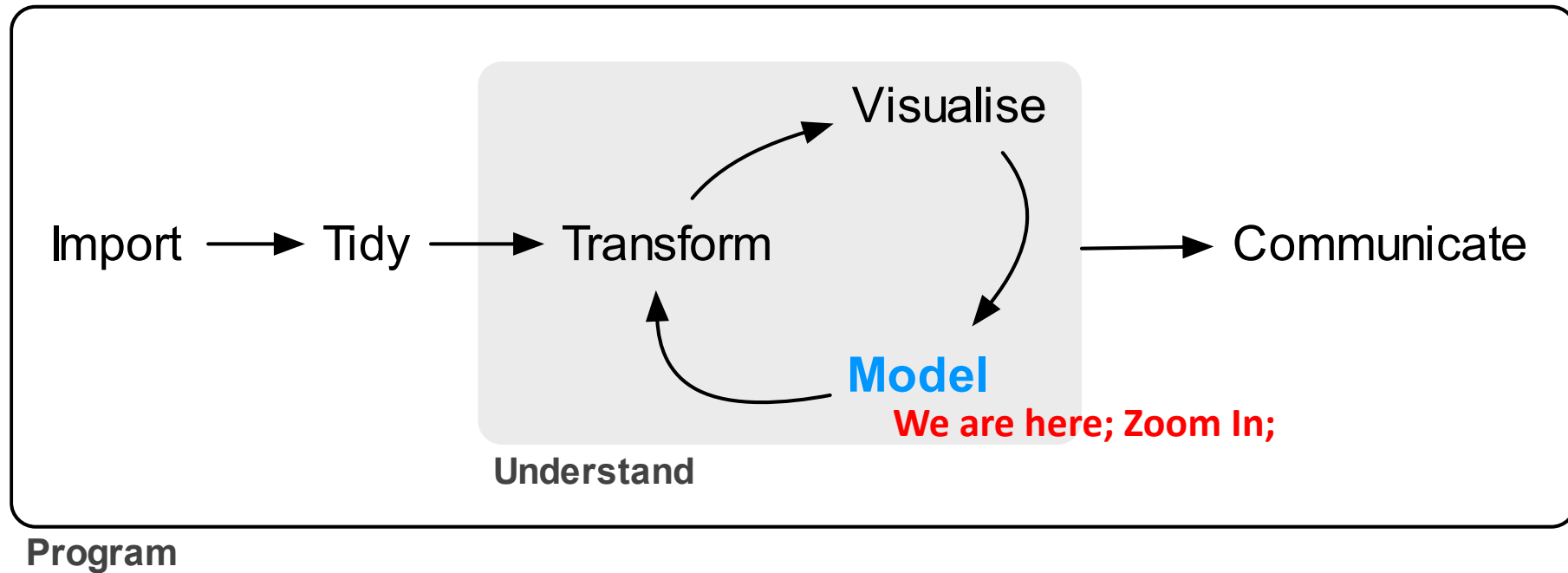
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UNIVERSITY OF TORONTO

Revisit The Data Analysis Workflow



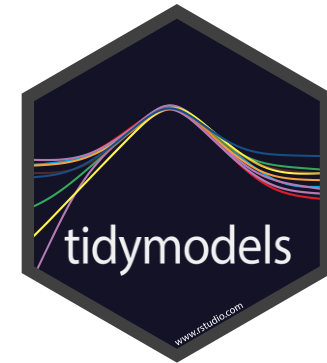
Model Wrangling?

- Recall the data analysis workflow

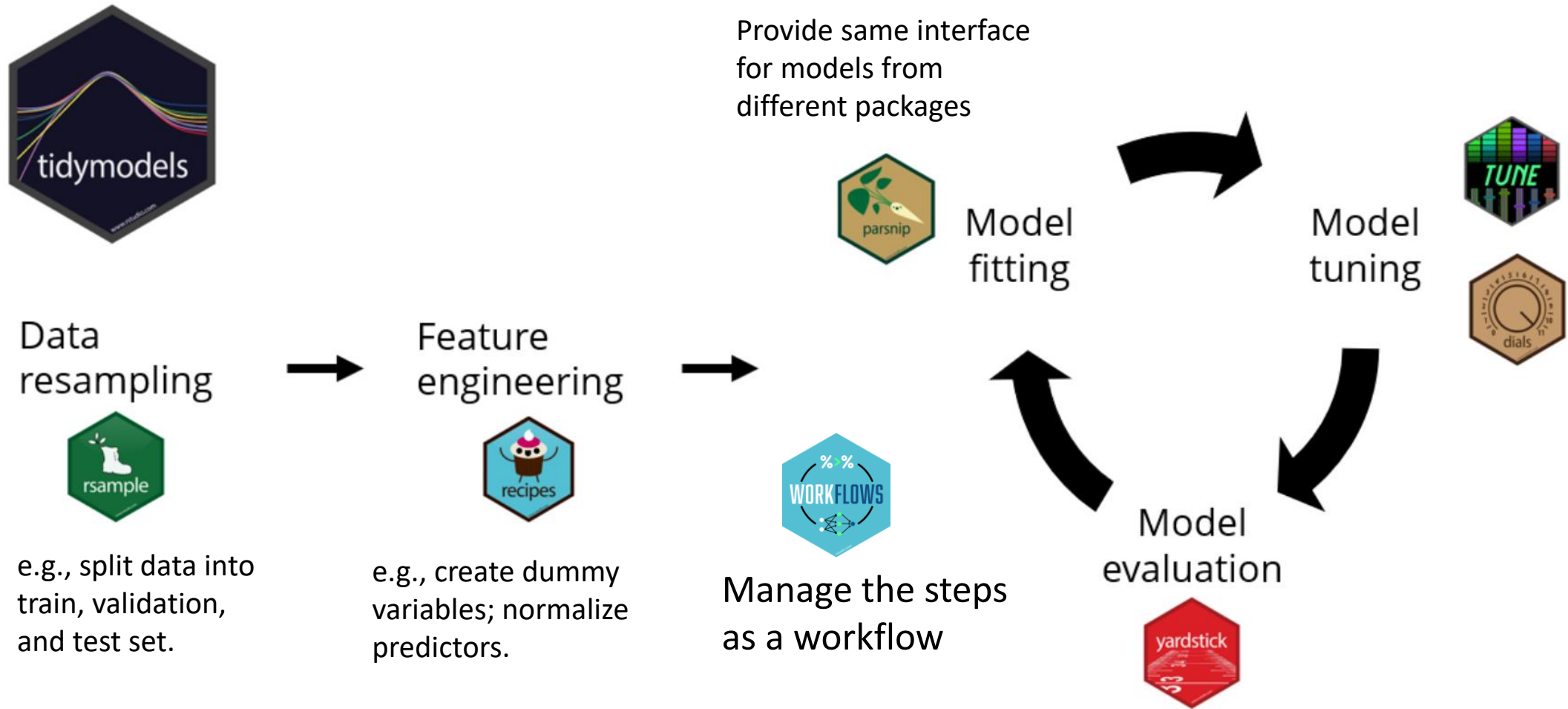


Tidymodels Framework

- What is it
 - *“a collection of packages for modeling and machine learning using tidyverse principles.”*
 - It is **NOT** a collection of statistical or ML models
- How to think about it
 - tidy data : data :: tidy models : modeling
 - tidyverse : data wrangling :: tidymodels : model wrangling



Model Wrangling Workflow ?



Source: <https://projector-video-pdf-converter.datacamp.com/25849/chapter1.pdf>

Notebook Example

- A quick walkthrough of most tidymodels packages
- using [German credit data](#)

Learning Resources

- Package [website](#) has many learning resources
- A good free book: [Tidy Modeling with R](#)
- A Datacamp course: [Modeling with tidymodels in R](#)
 - Not free
 - I will read the free book instead of paying for the course (my opinion only)

