Welcome! Please input this command into R:

usethis::use_course(https://bit.ly/2DPLWRI)

Introduction to



and



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Schedule

- Getting Started (1:00 1:45)
- Intro to tidyhydat (1:45 − 2:30)
- Break (2:30 2:45)
- Transforming data (2:45 − 3:45)
- Visualizations (3:45 4:30)
- How to ask for help Where do you go next? (4:30 – 5:00)

Introduction

Introduction

Sam Albers

Knowledge Management Branch

Ministry of Environment and Climate Change Strategy

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What this workshop is not...

A comprehensive course on all of R



What this course is...

A specific starting point in R

A chance for you to code



Your turn

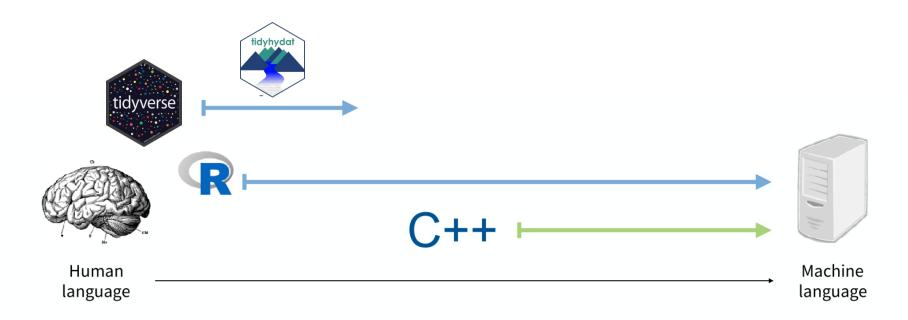
Introduce yourself to your neighbour

- Who are you?
- Why are you here?
- What is your experience with R?

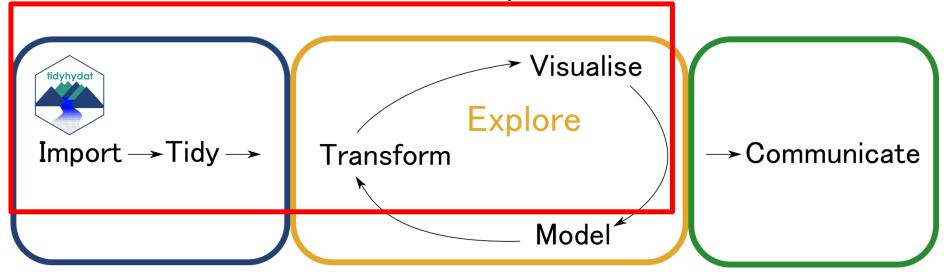
Your turn

I'm done I'm stuck

R – A programming language for data



The Data Analysis Process



Adapted from Wickham and Grolemund 2017

Focus less time of coding and more time on data analysis

Why use R?

- Efficient
- Reproducible
- Scalable



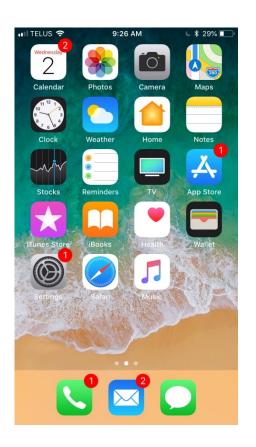




Packages



RStudio



Anatomy of an R function

Anatomy of an R function

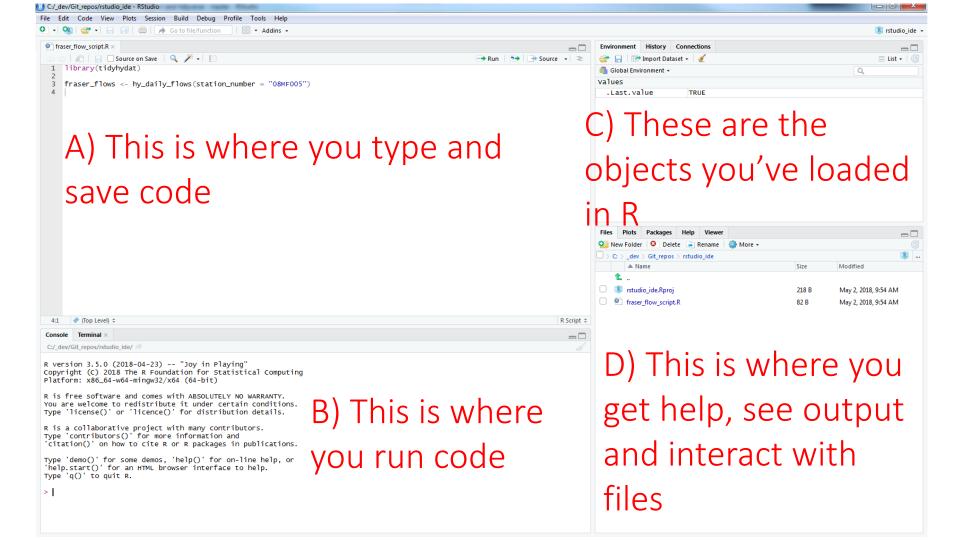
"To understand computations in R, two slogans are helpful:

Everything that exists is an object.

Everything that happens is a function call."

John Chambers

RStudio

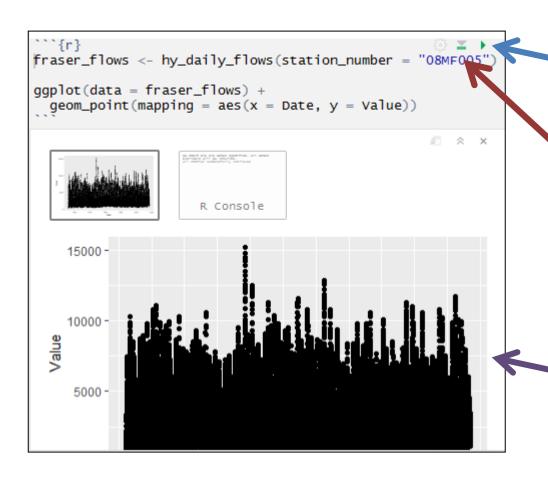


Your turn

- Open the file intro-to-tidyhydat-andtidyverse.Rproj
- Open 00-Getting-started.Rmd and start doing analysis!

A quick word on Notebooks

- Integrates:
 - Code
 - Text
 - Output



Click to run code in chunk

Click to run all code chunks above

Code output