Data Wrangling with the Tidyverse



Your Turn

Form groups of 2-4 people. Introduce yourself and prepare for some group quizzes. Tell them:

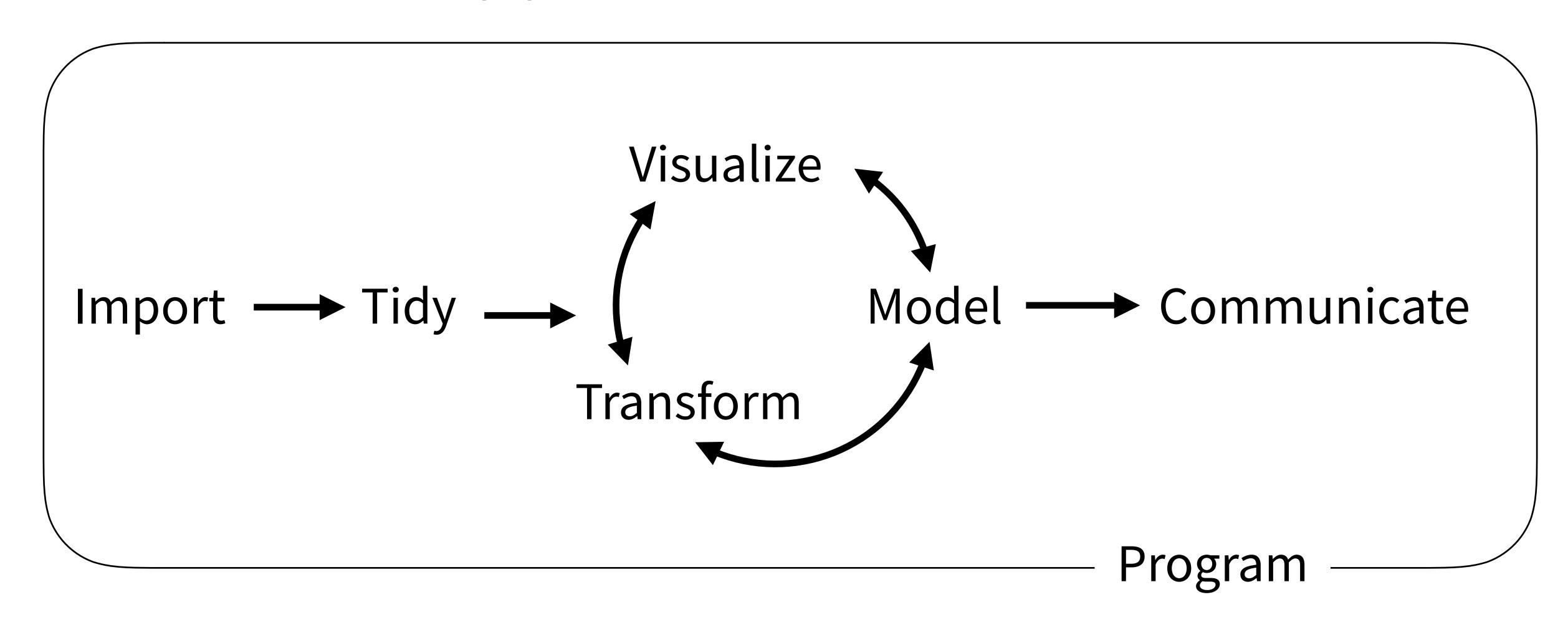
- 1. Who you are
- 2. What you do with data
- 3. How long you have been using R

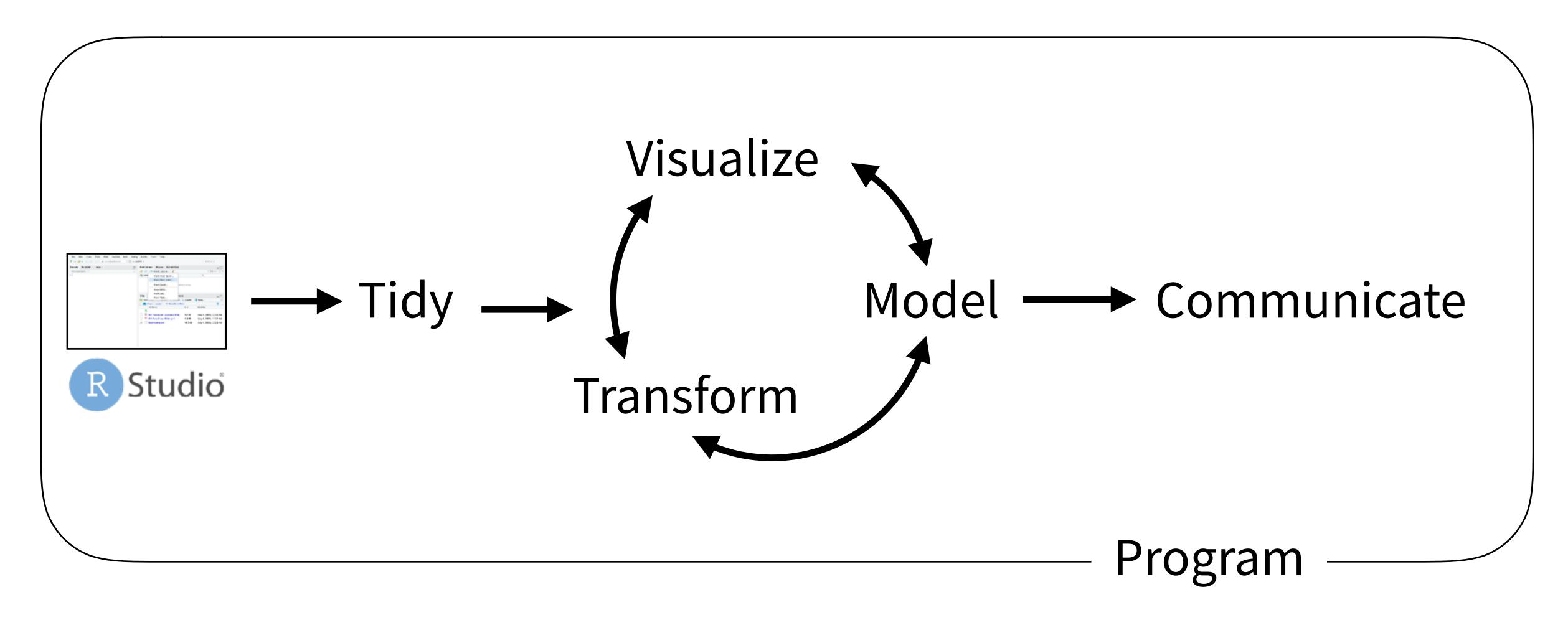


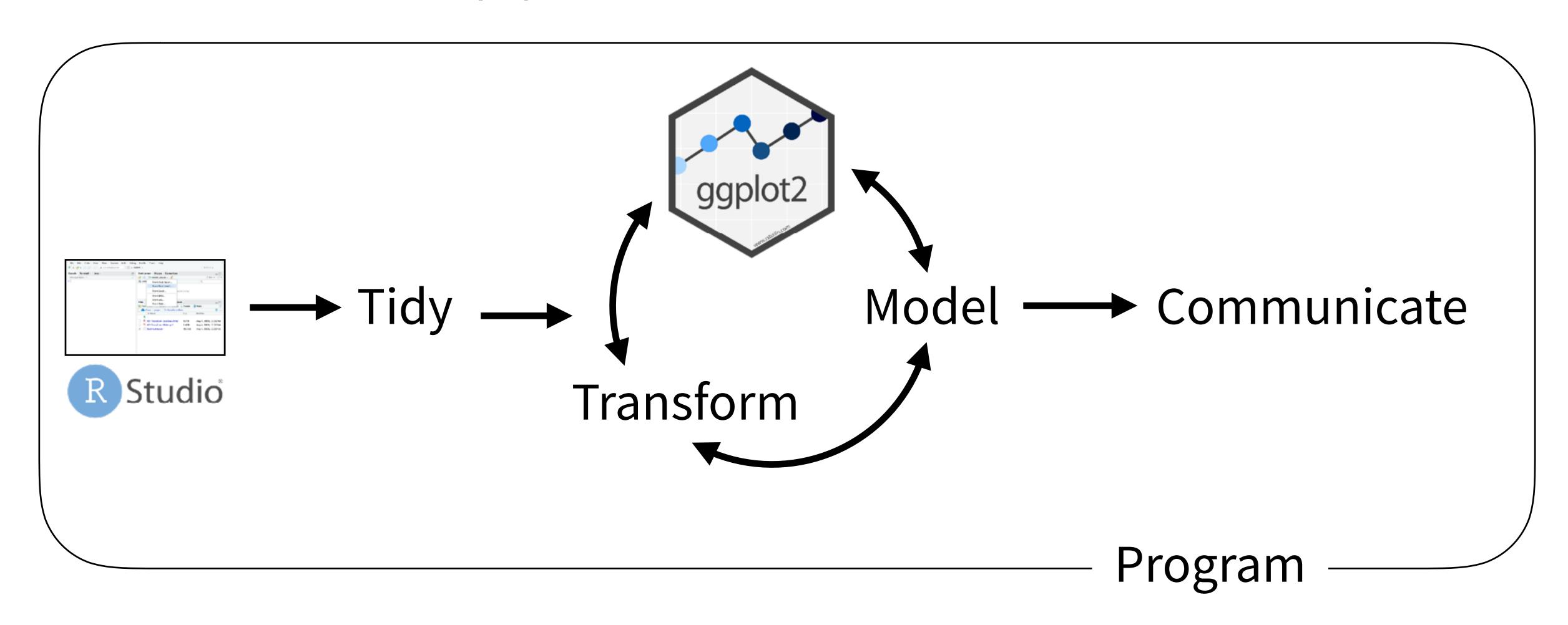
HELLO my name is

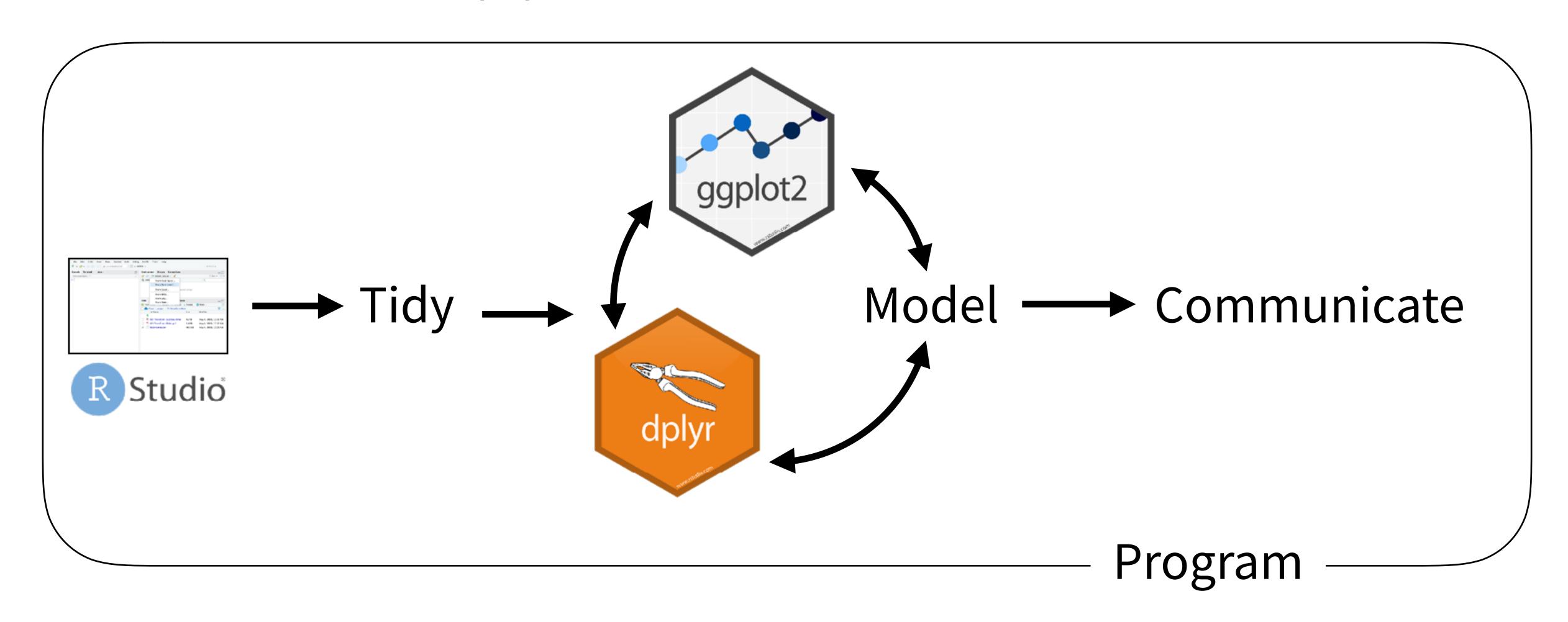
Garrett

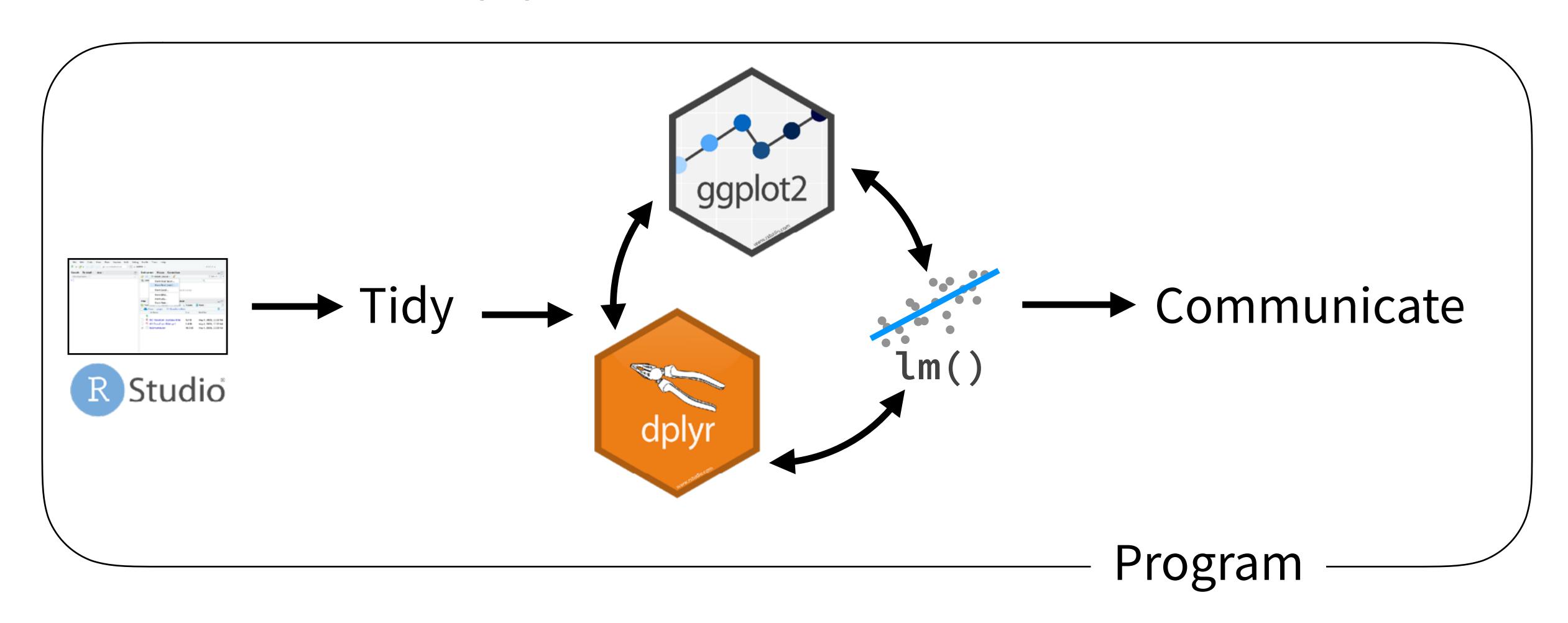


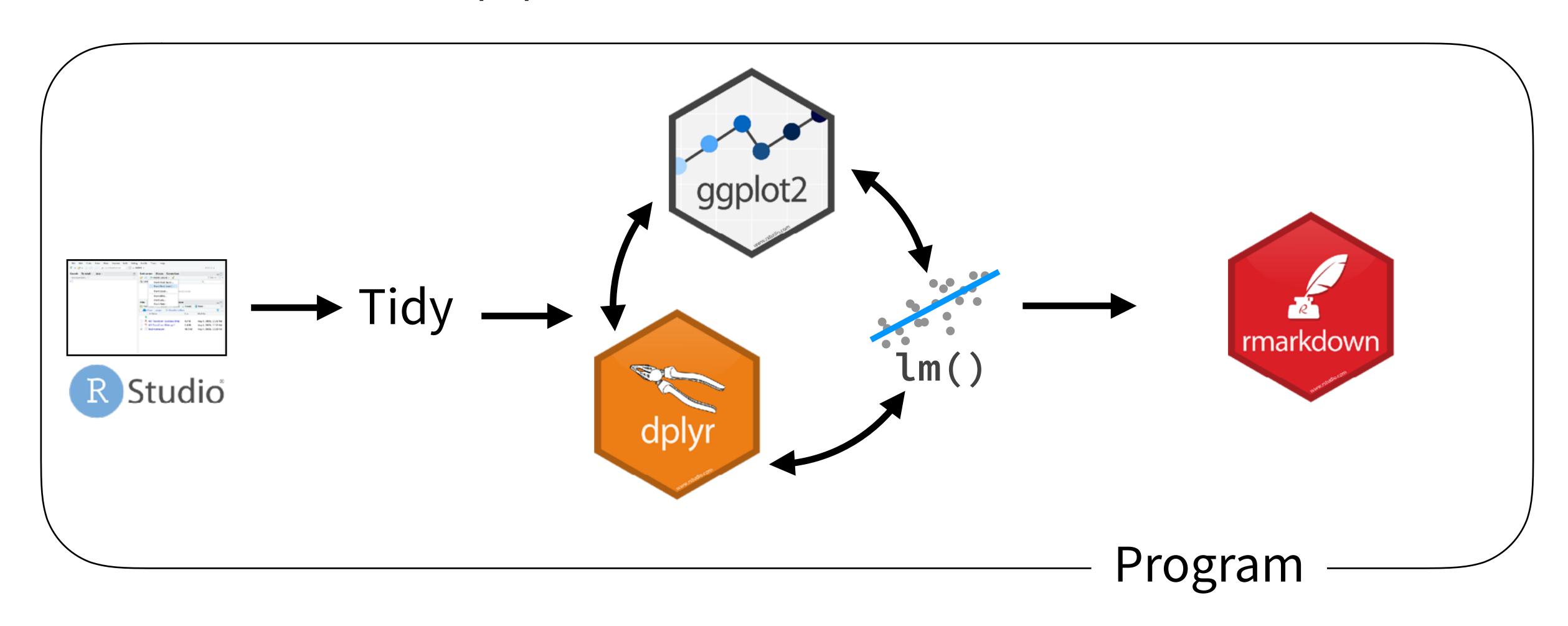


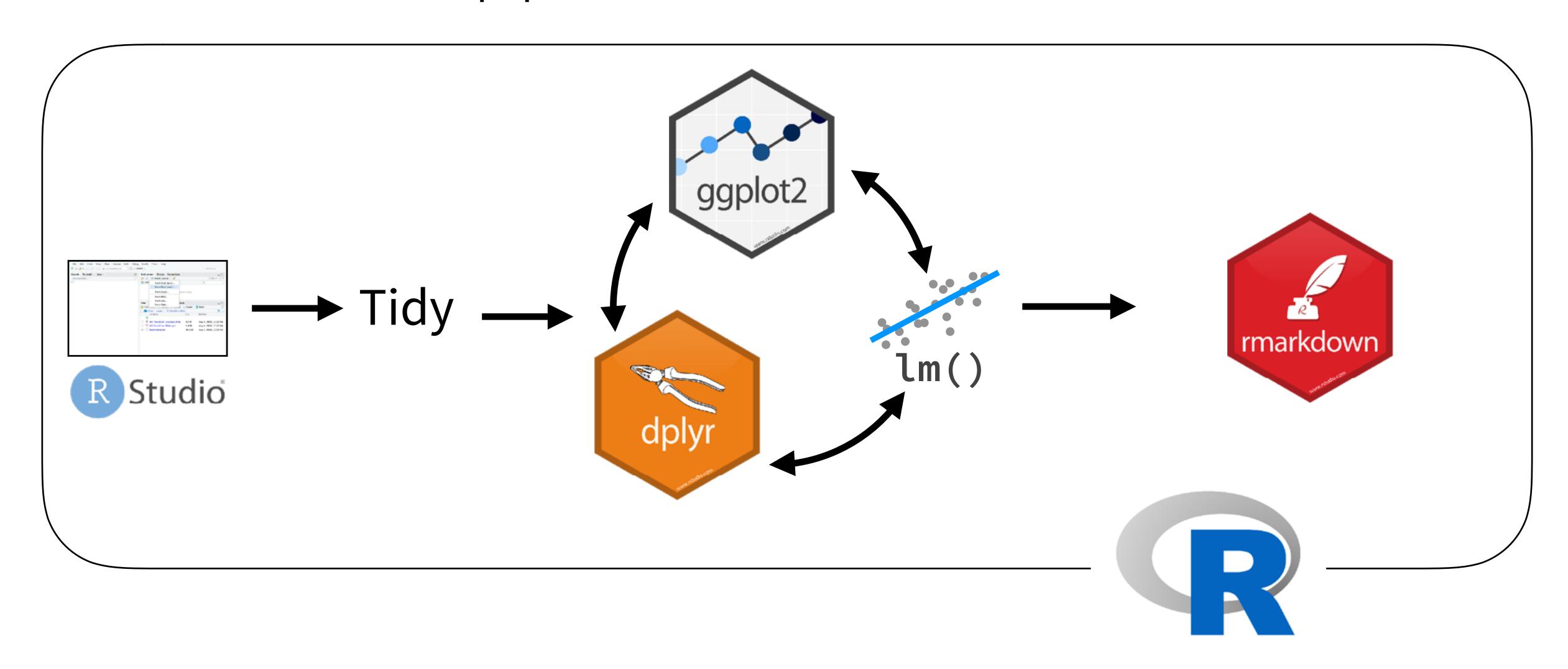


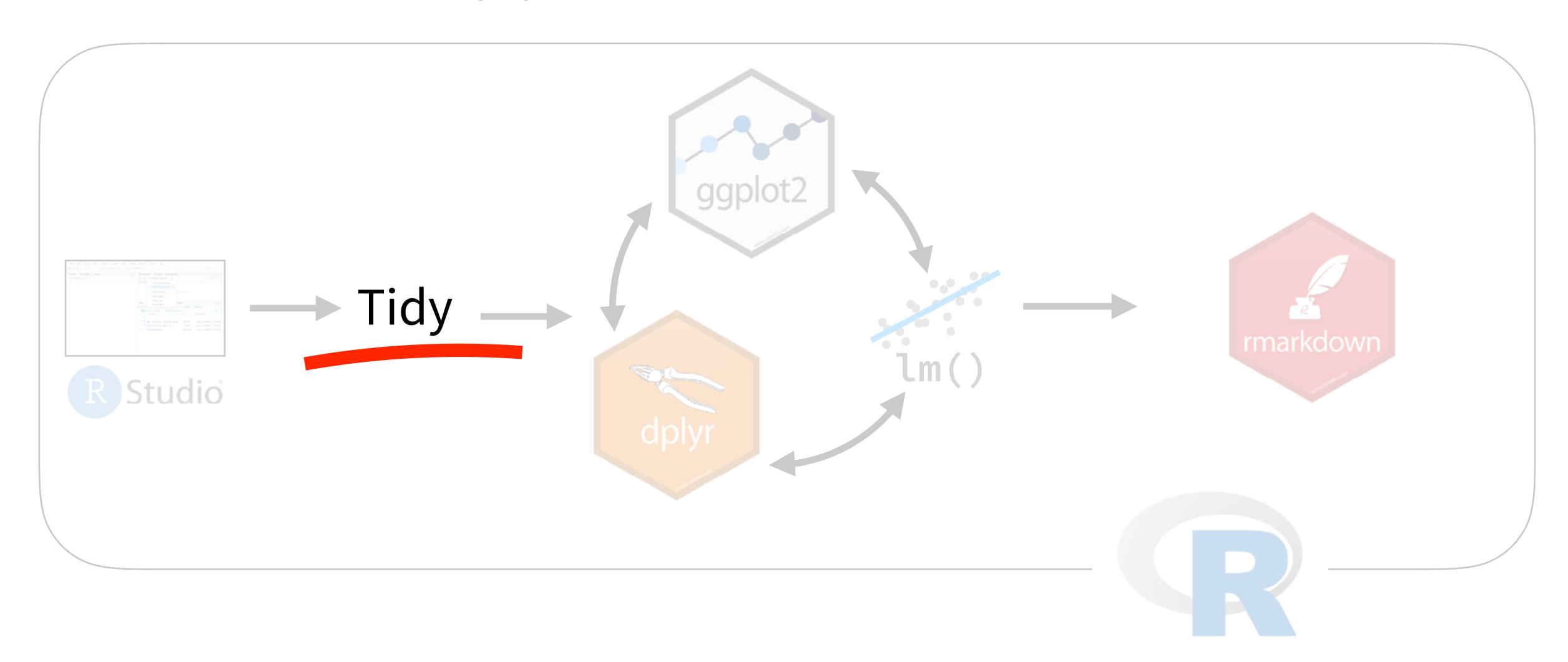












What types of data are in this data set?

	time_hour [‡]	name	air_time [‡]	distance	day [‡]	delayed
1	2013-01-01 05:00:00	United Air Lines Inc.	13620s (~3.78 hours)	1400	Tuesday	TRUE
2	2013-01-01 05:00:00	United Air Lines Inc.	13620s (~3.78 hours)	1416	Tuesday	TRUE
3	2013-01-01 05:00:00	American Airlines Inc.	9600s (~2.67 hours)	1089	Tuesday	TRUE
4	2013-01-01 05:00:00	JetBlue Airways	10980s (~3.05 hours)	1576	Tuesday	FALSE
5	2013-01-01 06:00:00	Delta Air Lines Inc.	6960s (~1.93 hours)	762	Tuesday	FALSE
6	2013-01-01 05:00:00	United Air Lines Inc.	9000s (~2.5 hours)	719	Tuesday	TRUE
7	2013-01-01 06:00:00	JetBlue Airways	9480s (~2.63 hours)	1065	Tuesday	TRUE
8	2013-01-01 06:00:00	ExpressJet Airlines Inc.	3180s (~53 minutes)	229	Tuesday	FALSE
9	2013-01-01 06:00:00	JetBlue Airways	8400s (~2.33 hours)	944	Tuesday	FALSE
10	2013-01-01 06:00:00	American Airlines Inc.	8280s (~2.3 hours)	733	Tuesday	TRUE
11	2013-01-01 06:00:00	JetBlue Airways	8940s (~2.48 hours)	1028	Tuesday	FALSE

What types of data is this?

"2013-01-01 05:00:00"

What are the variables in this data set?

				20. 久 >
country <cn></cn>	y ar	cases <nt></nt>	population <int></int>	
Afg	1999	45	19987071	
Afganistan	2000	2866	205)5360	
Brazil	1999	37′37	1720)6362	
Brazil	2000	80-88	1745)4898	
Chira	1999	212 58	12729.5272	
Chica	2000	213 66	12804 8583	

What are the variables in this data set?

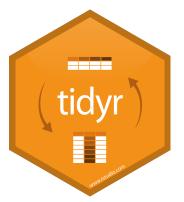
able2				
				a A X
country	year <i< th=""><th>type <chr></chr></th><th>count <int></int></th><th></th></i<>	type <chr></chr>	count <int></int>	
Af	1999	cases	747	
Afhanistan	1999	population	19987041	
Af	2000	cases	2666	
Af	2000	population	2(59534)	
Brazil	1909	cases	7737	
Brazil	1999	population	172006342	
Brazil	2000	cases	3488	
Brazil	20)0	population	174504348	
China	1909	cases	2258	
China	1979	population	1277/0152/2	

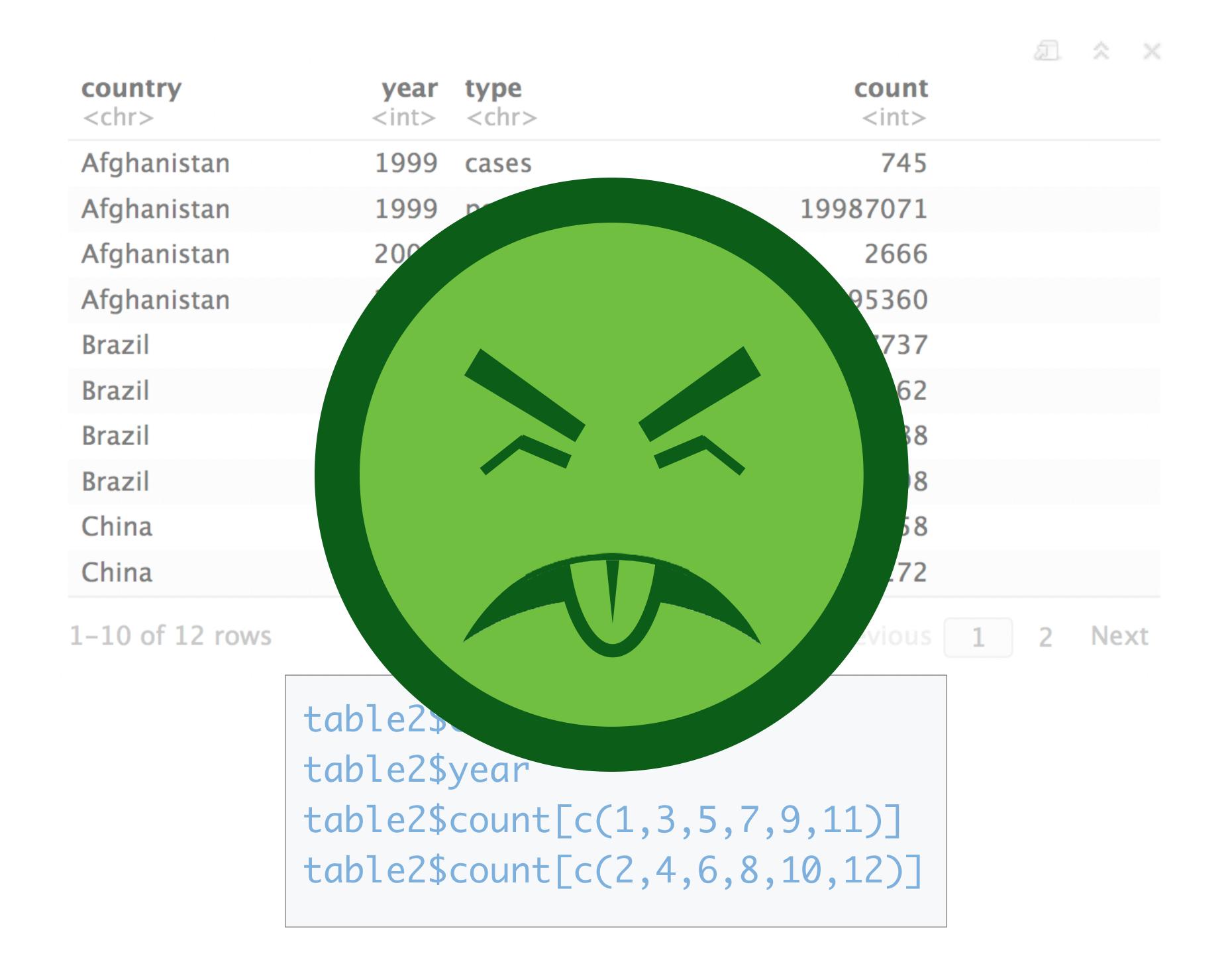


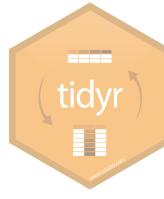
country <chr></chr>	year <int></int>	cases <int></int>	population <int></int>	
Afghanistan	1999	745	19987071	
Afghanistan	2000	2666	20595360	
Brazil	1999	37737	172006362	
Brazil	2000	80488	174504898	
China	1999	212258	1272915272	
China	2000	213766	1280428583	

6 rows

table1\$country
table1\$year
table1\$cases
table1\$population







"Better experimental design = simpler statistics."

Better data model = simpler analysis."

- Jenny Bryan

Outline

Introduction and Joining Data	8:00 - 9:45
Morning Break	9:45 - 10:15
Data Types	10:15 - 12:00
Lunch	12:00 - 1:30
Tidy Data	1:30 - 3:15
Afternoon Break	3:15 - 3:45
Lists	3:45 - 5:30

Your Turn

Go here and log in for the class materials

https://rstudio.cloud/project/385945

Navigate up to the 02-Join folder.

Open 02-Join-Exercises.Rmd

