WiFi: Posit Conf 2024 Flavors of the Password: conf2024 Pharmaverse ___

WiFi: Posit Conf 2024 Password: conf2024

Information

• There are gender-neutral bathrooms located on levels 3,4,5,6 &7

- The meditation/prayer room is located in 503
 - Available Monday & Tuesday 7a.m. 7p.m., Wednesday 7a.m. 5p.m.
- The lactation room is located in located in 509
 - Available Monday & Tuesday 7a.m. 7p.m., Wednesday 7a.m. 5p.m.

Conduct

 Participants who do not wish to be photographed have red lanyards; please note everyone's lanyard colors before taking a photo and respect their choices.

- The Code of Conduct and COVID policies can be found at: https://posit.co/code-of-conduct/.
 - Please review them carefully.
 - You can report Code of Conduct violations in person, by email, or by phone.
 Please see the policy linked above for contact information.

What to expect from this workshop

Learn about what the Pharmaverse is

- R packages to support Clinical Reporting in R
 - Create ADaM datasets from SDTM
 - Multiple ways to create tables
 - Learn about ARD's

Hands-on Exercises & Discussions

15 September 2025

Workshop Expectations

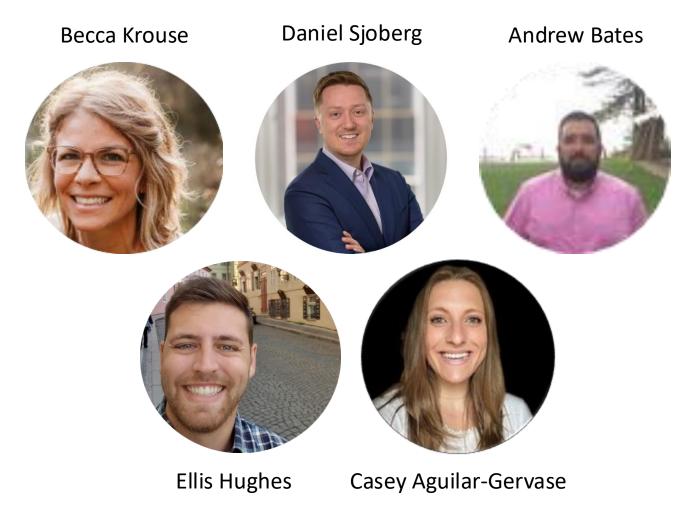
• What to do if you find a ?

Ask questions!

Be respectful to each other and yourself

Workshop Instructors

- Who are we?
- What do we do?
- Why are we here?



Who are you?!

Meet the people around you!



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Who are you?! Now we want to meet you!

R Experience?

- Never used R?
- 2 years
- 5 years
- Used Tidyverse?
- Used Pharmaverse Packages?

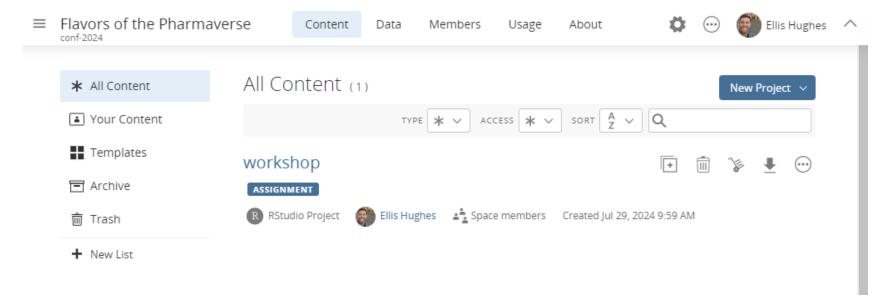
Pharma Experience

- CDISC
- TLF Generation
- validation

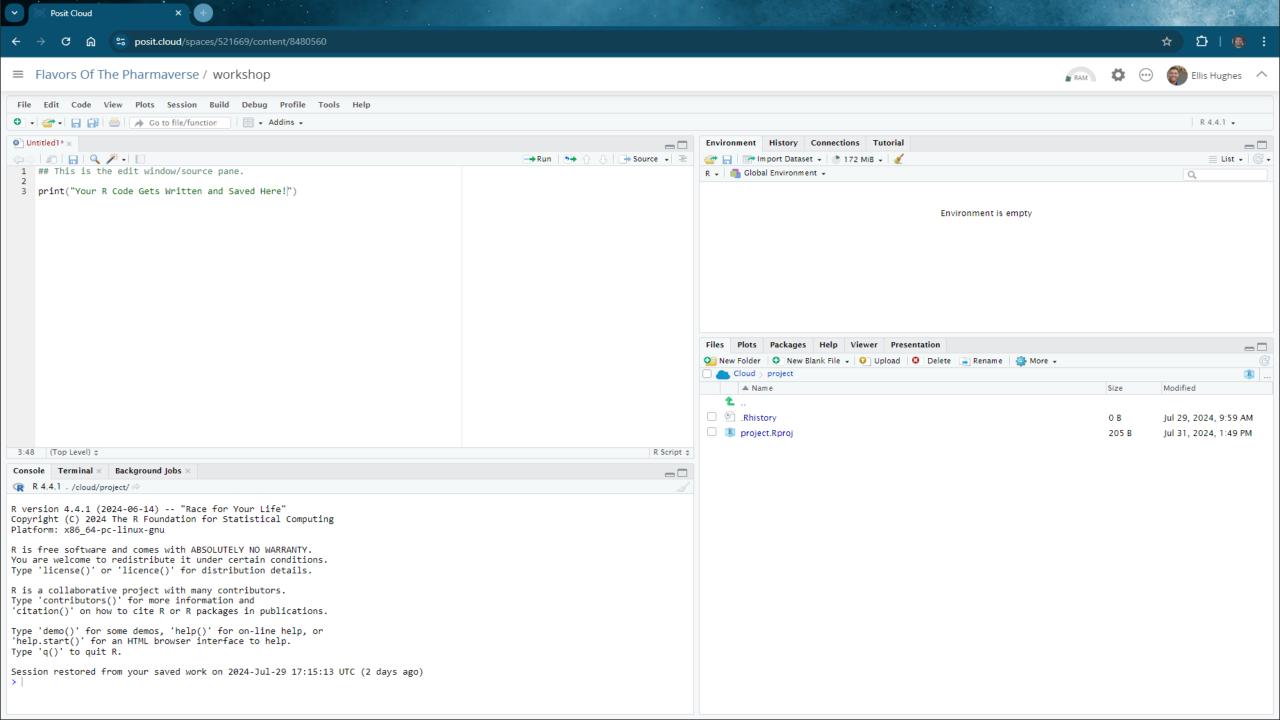
15 September 2025

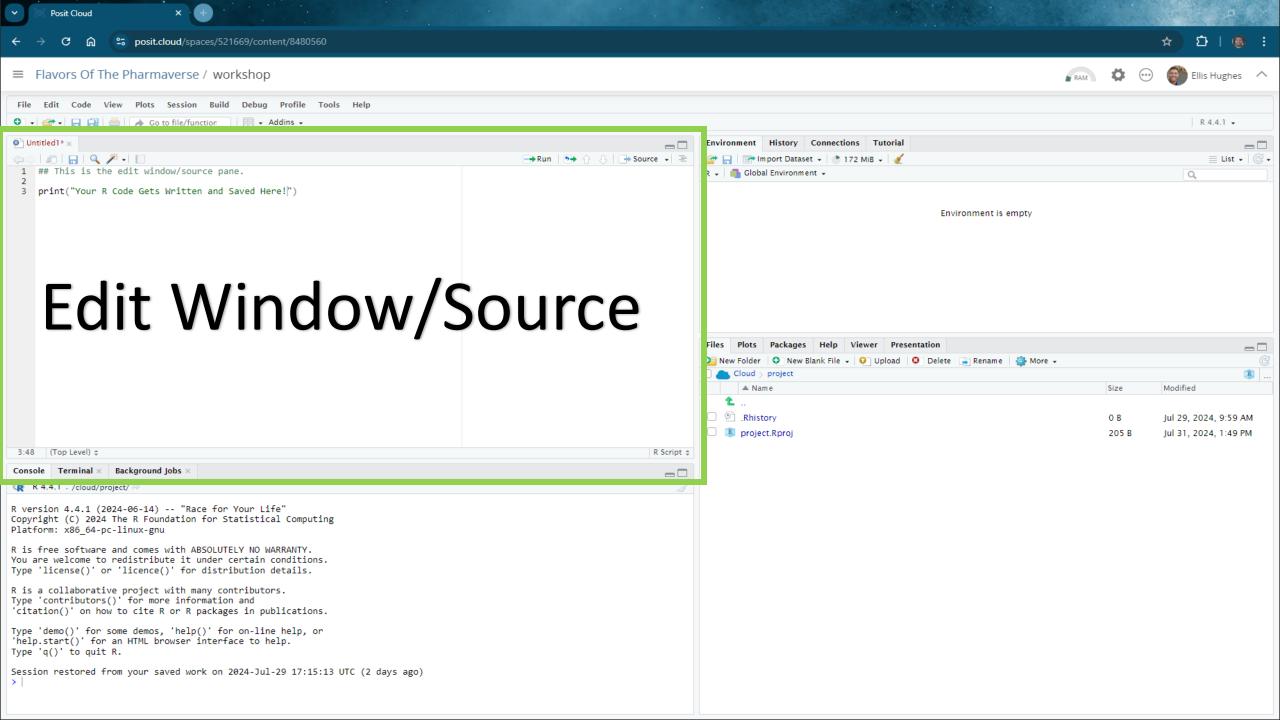


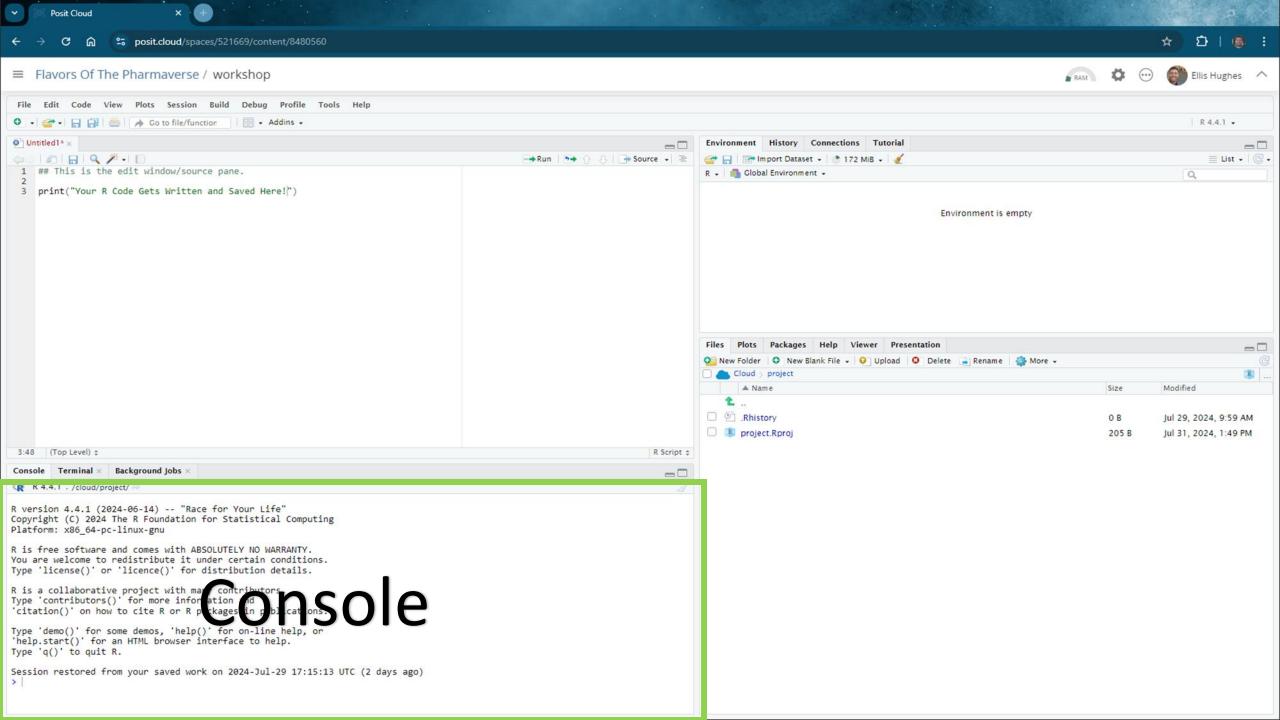
- For consistency, we'll be working in Posit Cloud (https://bit.ly/posit_2024_Pharmaverse)
- We've installed and configured everything for you

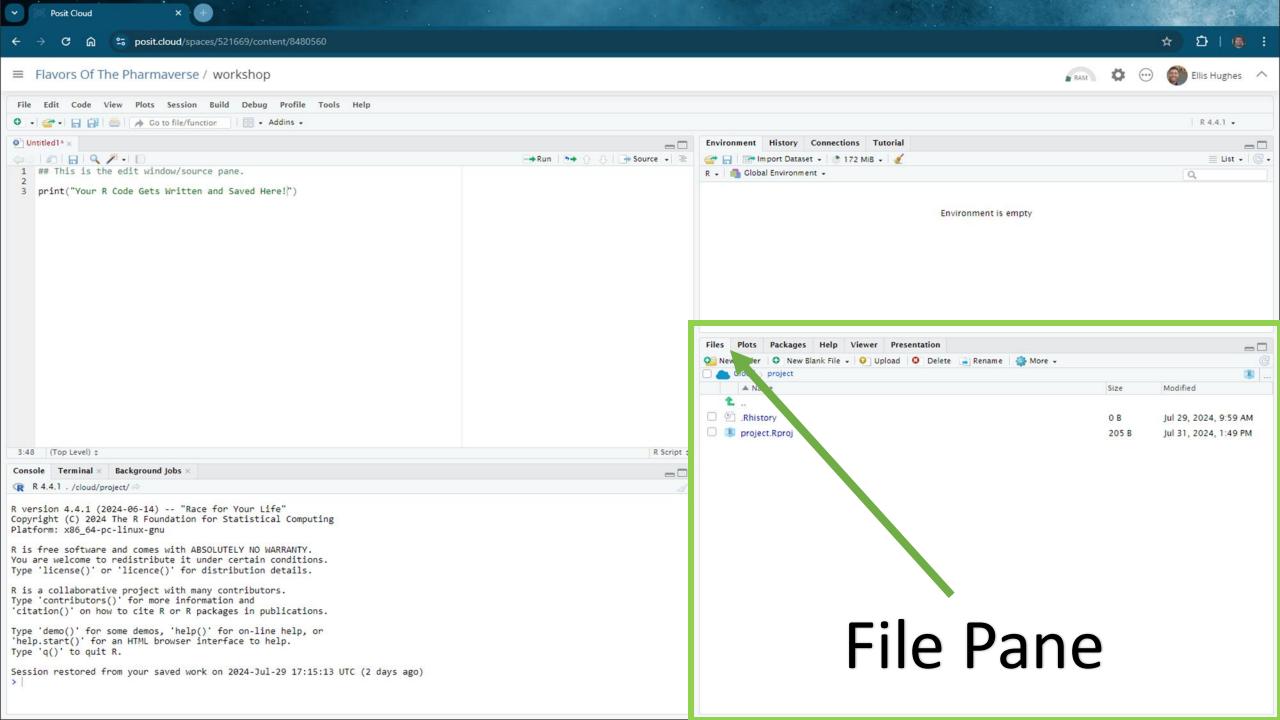


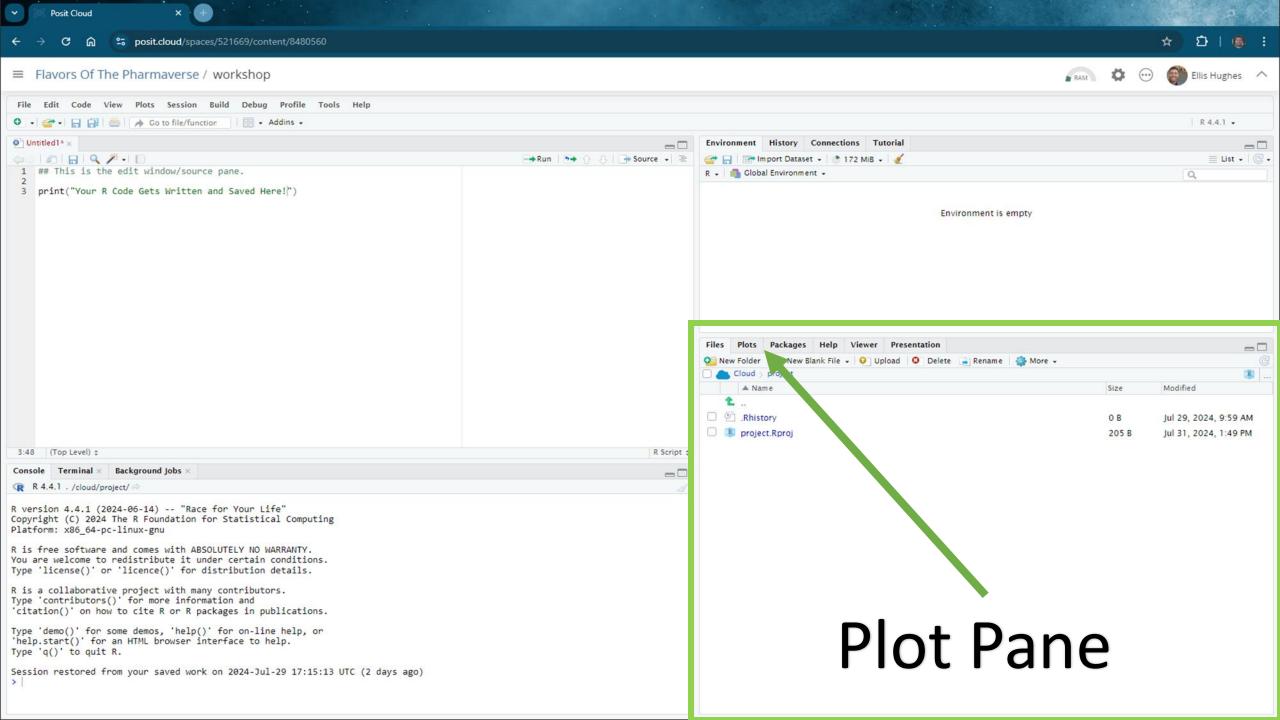
• Following the course, all content from this workshop will be available on GitHub (https://github.com/posit-conf-2024/pharmaverse)

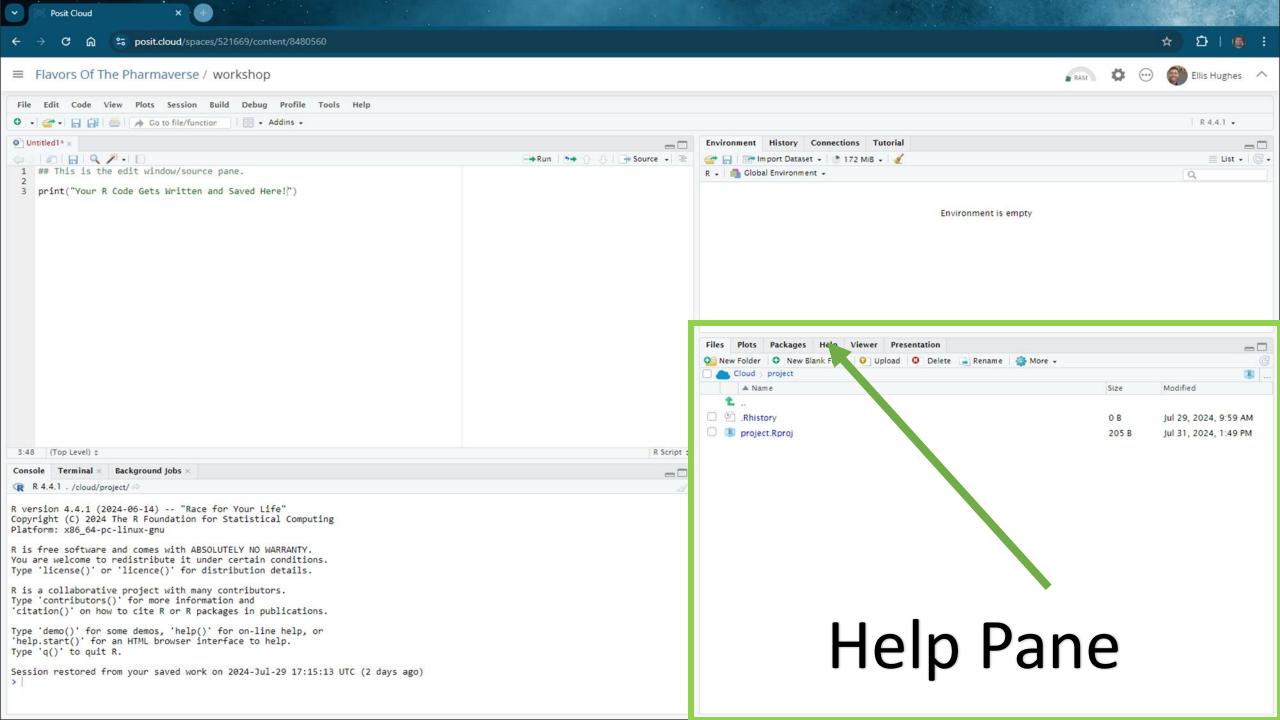


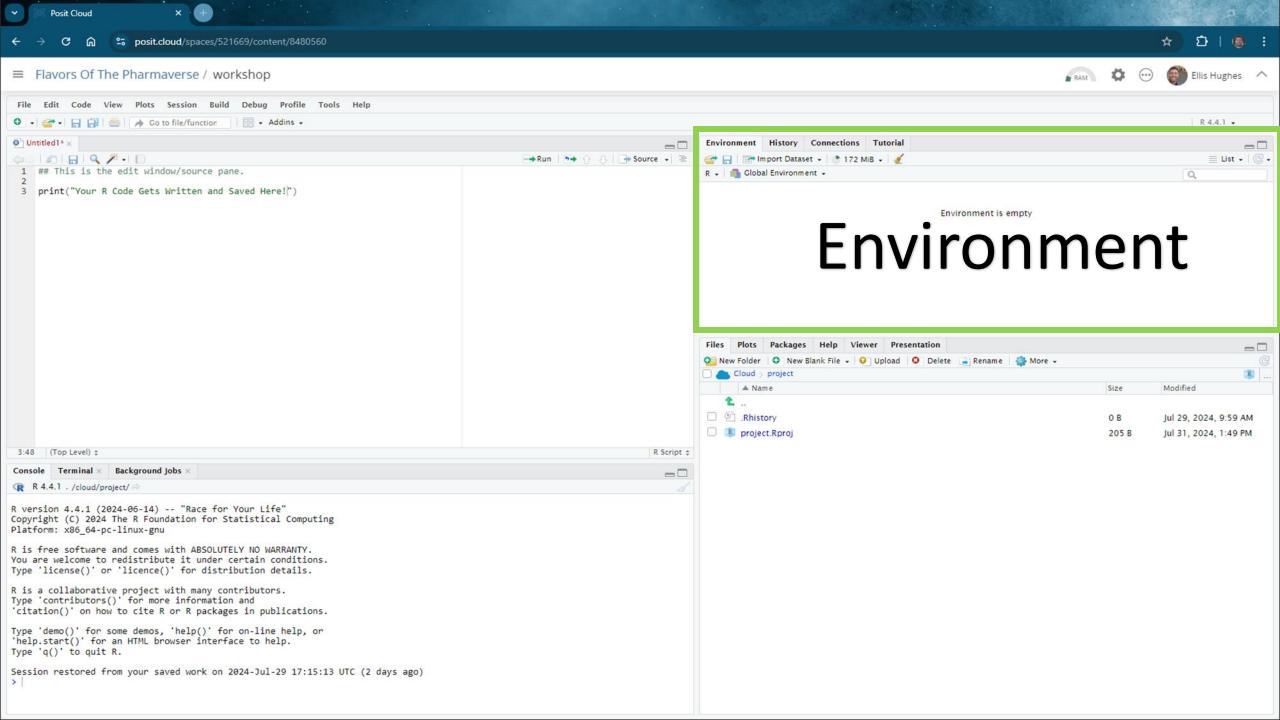












Time	Activity
09:00 – 09:20	Introduction & Welcome to the Pharmaverse
09:20 - 10:30	Session 1 – ADaM
10:30 - 11:00	Coffee break
11:00 - 12:30	Session 2 – Tables & ARD Intro
12:30 - 13:30	Lunch break
13:30 - 15:00	Session 3 – ARD Based Tables
15:00 - 15:30	Coffee break
15:30 - 17:00	Session 4 – Recap and Discussion





Pharmaverse

https://pharmaverse.org/



Goals

- Align pharma industry on a set of open source packages based in R to deliver the clinical data pipeline
- Design, collaborate, and deliver new solutions where suitable tools do not exist (ie admiral)

E2E Clinical Reporting Packages

https://pharmaverse.org/e2eclinical/



Not to give anyone ideas, but it is not a "verse" like tidyverse

```
> library(pharmaverse)
Error in library(pharmaverse) : there is no package called 'pharmaverse'
> |
```

Industry working on a similar goal

• Standards (ie CDISC) means standard tools can be created and shared

 Collaboration in the "post competitive" space means everyone has access to free solutions

 Team and Regulators seeing consistent packages being used across multiple teams speeds up development and review

TRUE or FALSE?

Pharmaverse makes decisions on how R should be used in the pharma	FALSE
Pharmaverse serves as a source of information on available R packages	
that help with the Clinical Data Workflow	TRUE
Pharmaverse allows commercial interests from Collaborators to drive	FALSE
decisions	171232
The scope of Pharmaverse starts at STDM and ends at TLF creation	FALSE
Pharmaverse does not require you to be part of it use the tools coming	TRUE
from it	TNOL
Pharmaverse packages need to be reviewed by your own GXP process	TRUE

Resources

- Website:
 - Pharmaverse.org
- R packages and github
 - https://github.com/pharmaverse/
- Youtube Channel
 - https://www.youtube.com/channel/UCxQFEv8HNqM01DXzdQLCy6Q
- Blog
 - https://pharmaverse.github.io/blog/
- Community
 - pharmaverse.slack.com

Lets get started into the Pharmaverse!













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Data Collection

CDASH

Data Aggregation

SDTM

Analysis

ADaM

Results

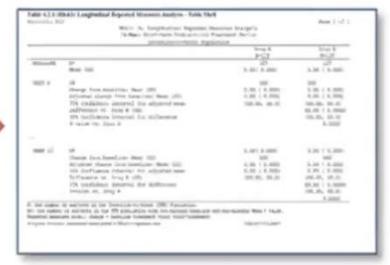
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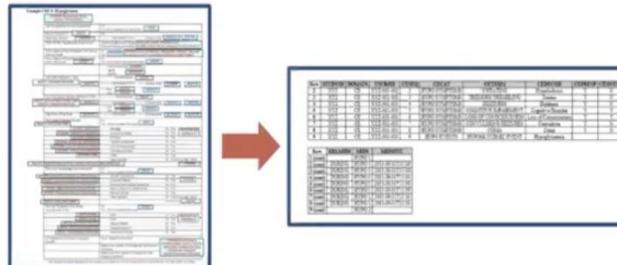
Data Aggregation



Results

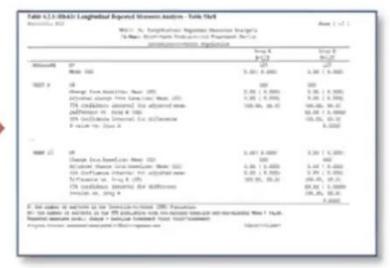
Data Collection





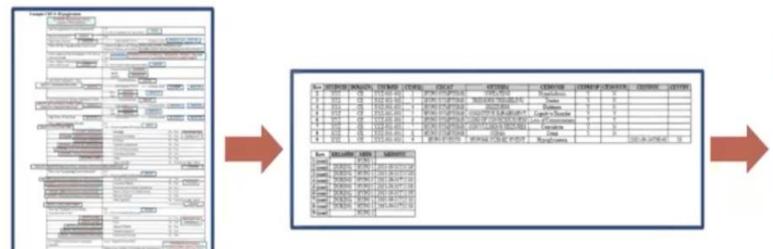
Data Collection

Data Aggregation



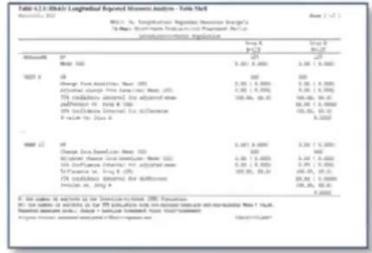
Results





Data Collection

Data Aggregation



Results