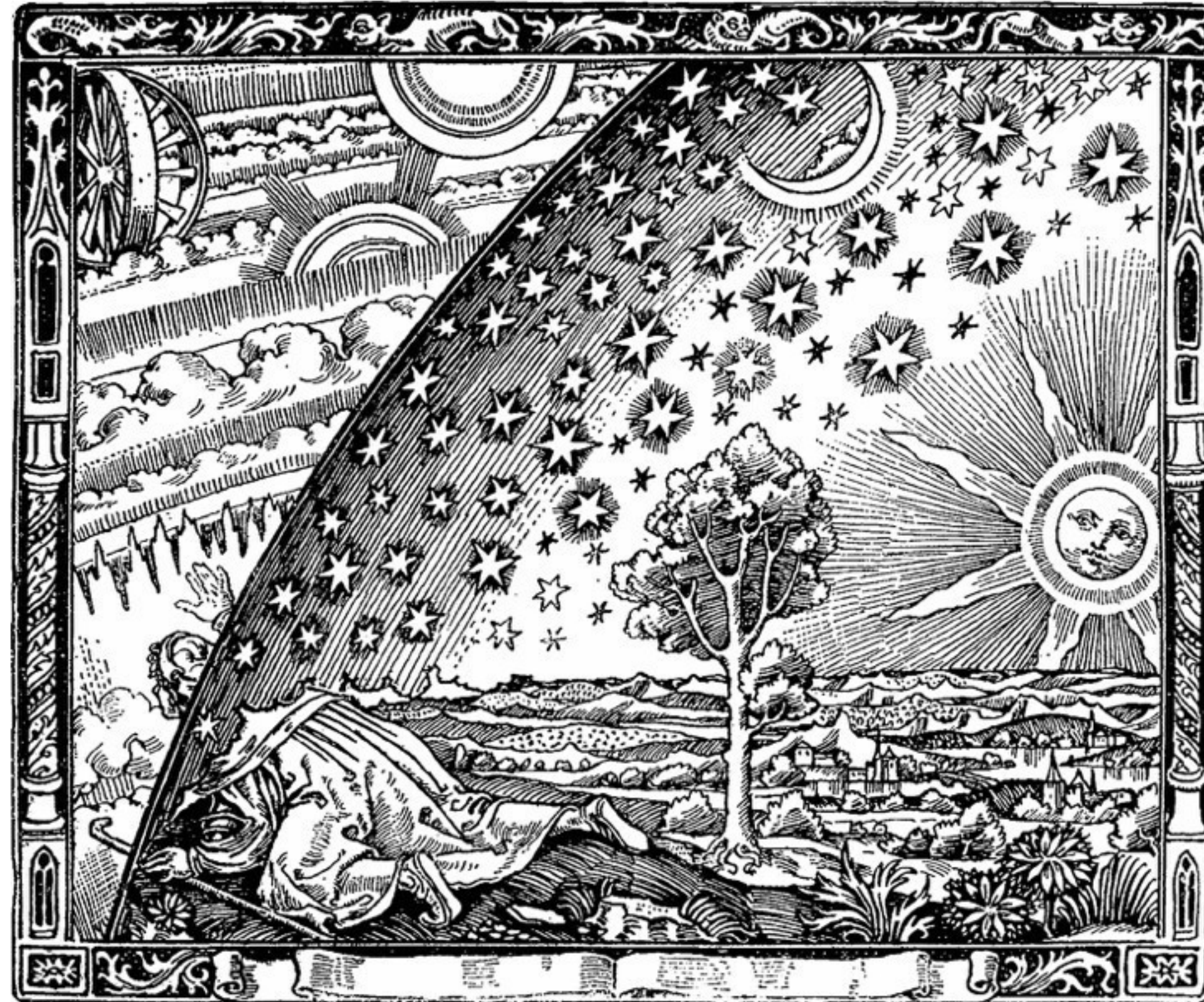


# Master the Tidyverse



Petr Šimeček & Andrea Grioni

CEITEC

March 2020

**HELLO**

my name is

**Petr**

@simecek, @python\_tip

**HELLO**

my name is

**Andrea**

@AndreaGrioni89



# Your Turn

Form groups of 2-3 people. Introduce yourself to your group members. Tell them:

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

05:00





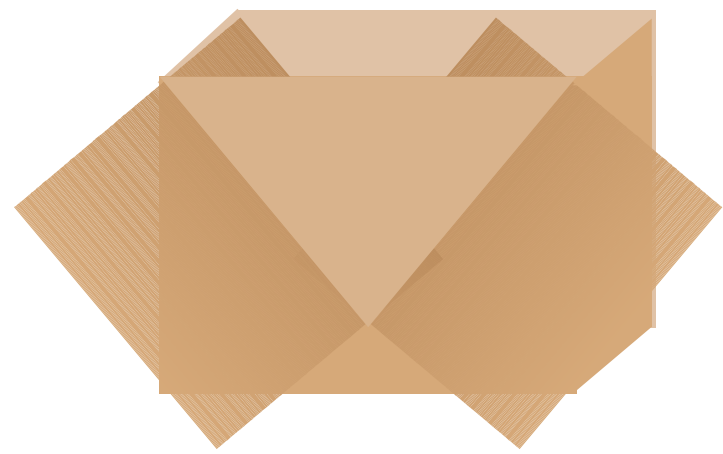
IN

# HISTORY

*with Brittany Rose*



# tidyverse



An R package that serves as a short cut for installing and loading the components of the tidyverse.

```
install.packages("tidyverse")
```

does the equivalent of

```
install.packages("ggplot2")  
install.packages("dplyr")  
install.packages("tidyr")  
install.packages("readr")  
install.packages("purrr")  
install.packages("tibble")  
install.packages("hms")  
install.packages("stringr")  
install.packages("lubridate")  
install.packages("forcats")  
install.packages("DBI")  
install.packages("haven")  
install.packages("httr")  
install.packages("jsonlite")  
install.packages("readxl")  
install.packages("rvest")  
install.packages("xml2")  
install.packages("modelr")  
install.packages("broom")
```

```
install.packages("tidyverse")
```

does the equivalent of

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install.packages("readxl")  
install.packages("rvest")  
install.packages("xml2")  
install.packages("modelr")  
install.packages("broom")
```

```
library("tidyverse")
```

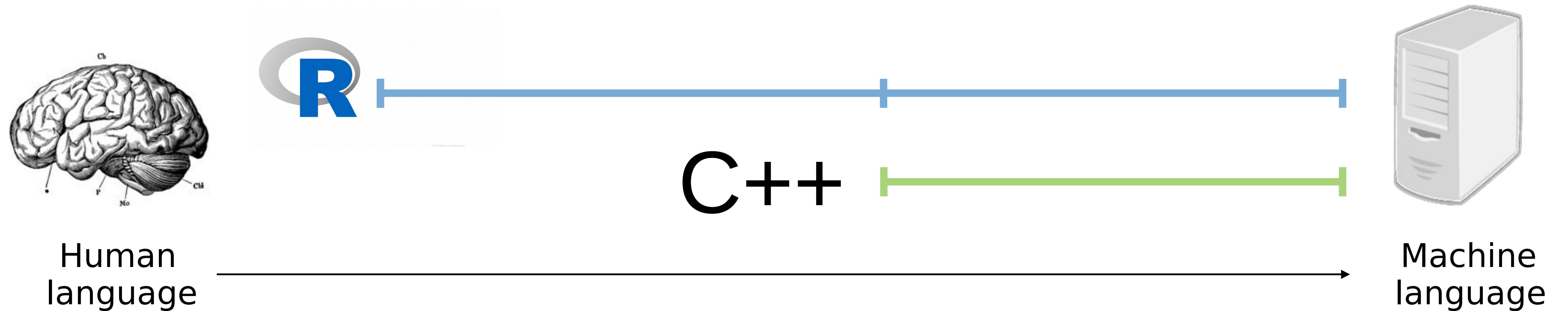
does the equivalent of

```
library("ggplot2")  
library("dplyr")  
library("tidyr")  
library("readr")  
library("purrr")  
library("tibble")
```

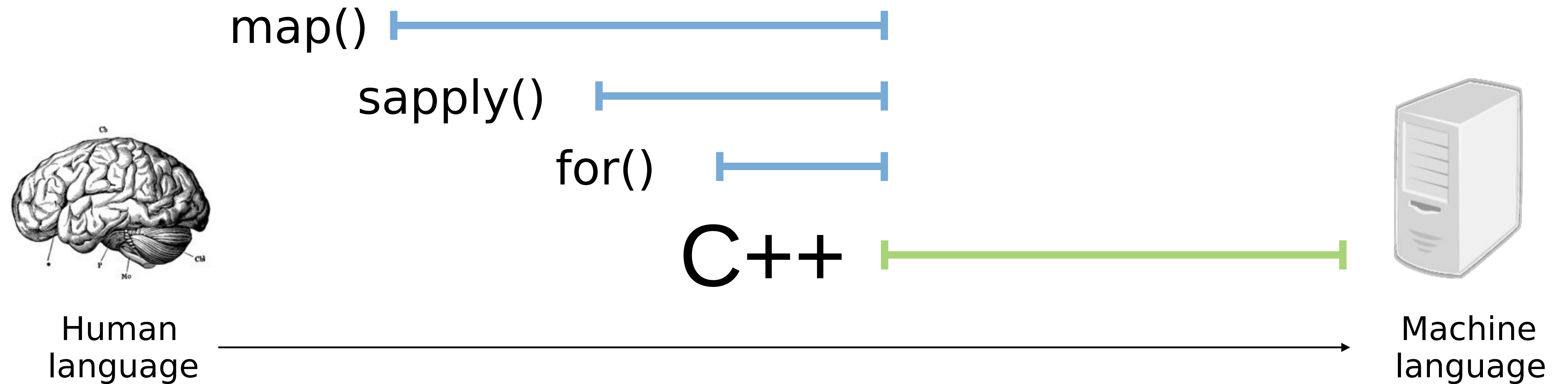




# R - A computer language for scientists



# R - A computer language for scientists





Coding = Climbing A Mountain



Coding = Falling Into A Pit (Of Success)





# Your Turn

## Individually:

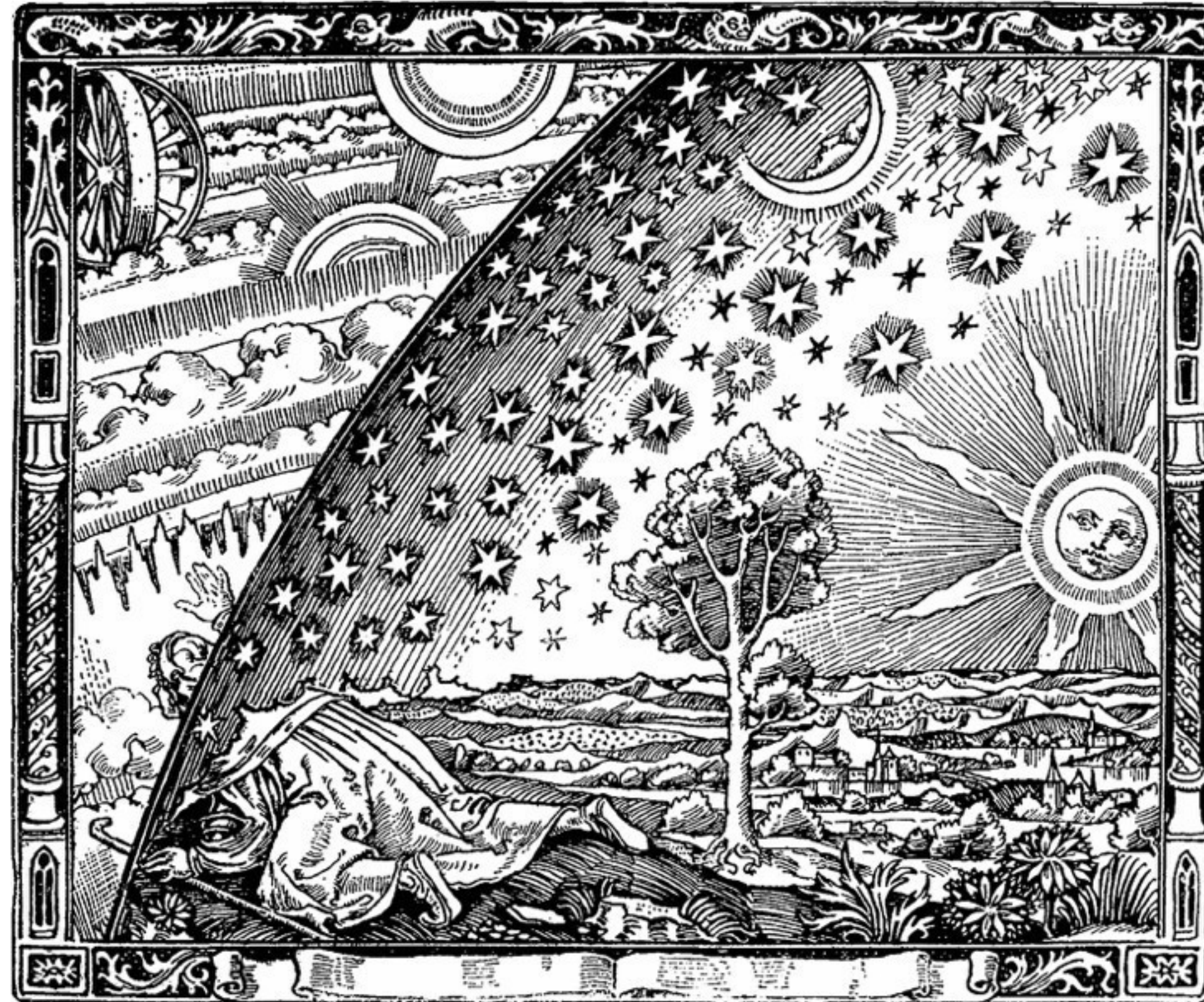
Run the code below to load the core tidyverse packages, including ggplot2, dplyr, and tidyr.

```
library(tidyverse)
```

Download materials to your local machine or use RStudio Cloud: **<http://bit.ly/tidyverse2020>**



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