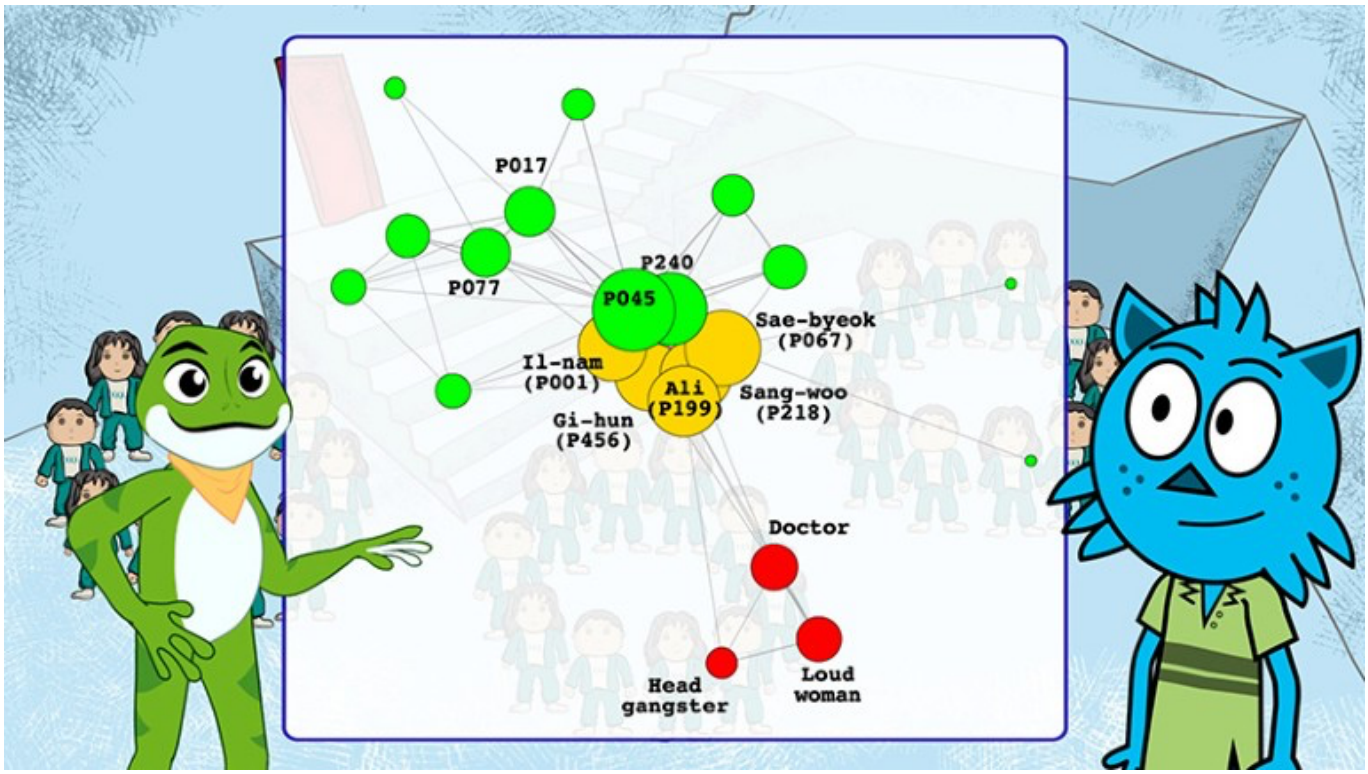
Zero to Data Science

The “Zero to Data Science” channel on YouTube was created by Dr Alvina Lai with the aim of sharing research and data-science content in simple and relatable language.

https://youtube.com/@zerotodatascience



Harry Potter series

The Harry Potter series introduces concepts in data visualisation with R programming and statistical modelling.

“Harry Potter Philosopher's Stone Data Science”

Videos: https://www.youtube.com/playlist?list=PLrg6vayBt5HRsNHsJb7eTrKndLPOt3F9t

Code: https://github.com/zero2ds/harrypotter1_philosopher_stone

“Harry Potter Chamber of Secrets Data Science”

Videos: https://www.youtube.com/playlist?list=PLrg6vayBt5HQzwPx3BpLihvNfw964cW2K

Code: https://github.com/zero2ds/harrypotter2_chamber_of_secrets

Encanto series

The Encanto series introduces concepts in decision tree models, machine learning, and model evaluation.

“Encanto Data Science”

Videos: https://www.youtube.com/playlist?list=PLrg6vayBt5HQ3qYNSZeI1WG8w2FWATXiI

Code: https://github.com/zero2ds/encanto

“Encanto Mental Health”

Videos: https://www.youtube.com/playlist?list=PLrg6vayBt5HS0RjQ2o6OBrm3nJZbkca36

Squid Game series

The Squid Game series introduces concepts in machine learning and data analysis.

“Squid Game Data Science”

Videos: https://www.youtube.com/playlist?list=PLrg6vayBt5HTX0a_e2rOFNkulYdSxITsB

Code: https://github.com/zero2ds/squidgame

Frequently asked questions

What is R?

R is a powerful statistical computing language and environment. It's like a versatile toolbox for data analysis, used by scientists, researchers, and statisticians worldwide. Think of it as a supercharged calculator that can handle complex datasets, create graphs, and perform statistical tests. R is free and open-source, meaning anyone can use and contribute to it. With its vast community and thousands of packages, R offers endless possibilities for exploring and understanding data.

If you would like to run the code yourself, install R and RStudio (both is needed) to your computer. You may also use Posit Cloud for free if you want to use R without installing anything.

More instructions here: https://posit.co/download/rstudio-desktop/

What is Github?

GitHub is a popular online platform where developers can share, collaborate on, and manage code projects. It's like a digital workspace for programmers.

Think of it as a giant library of code, where people can share their work, learn from others, and work together on projects. It's a great place for developers to showcase their skills, contribute to open-source software, and find inspiration for their own projects.

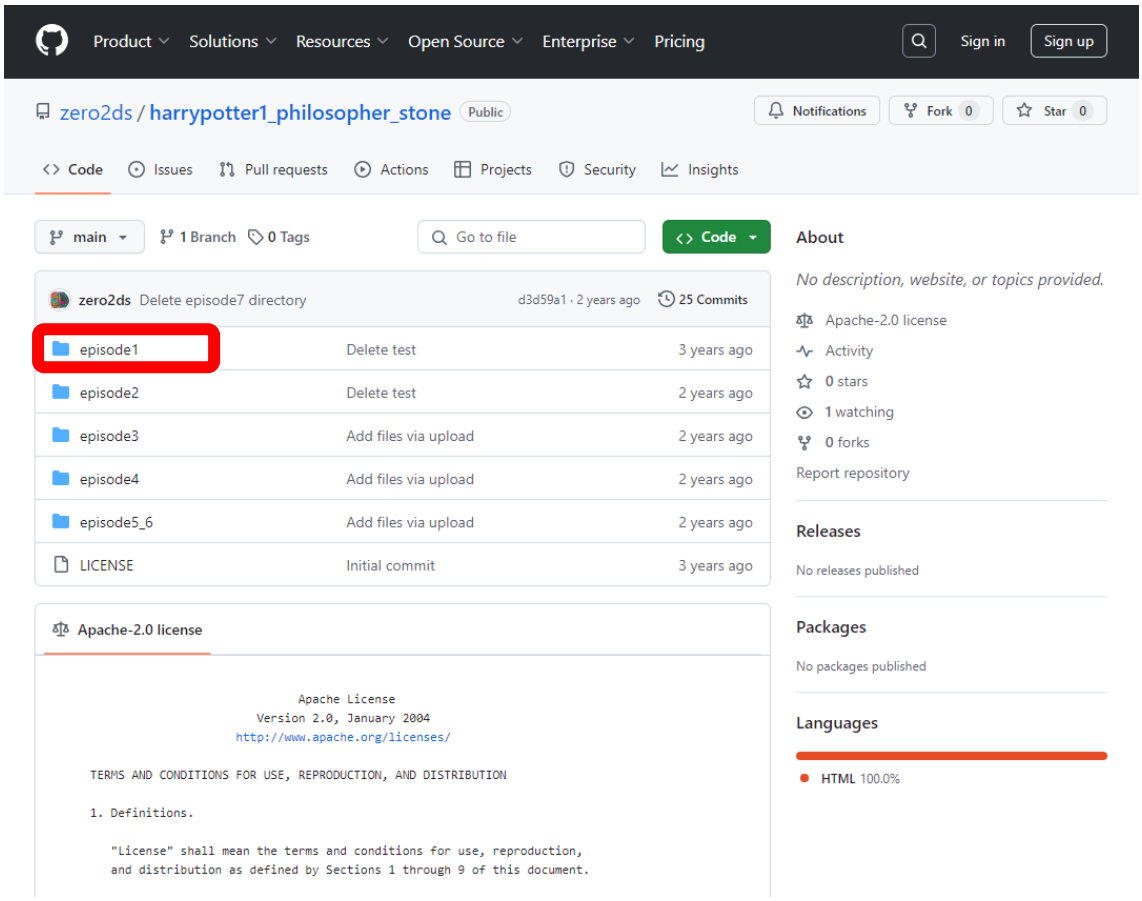
We have used this platform to share related code for each video.

How to access the code?

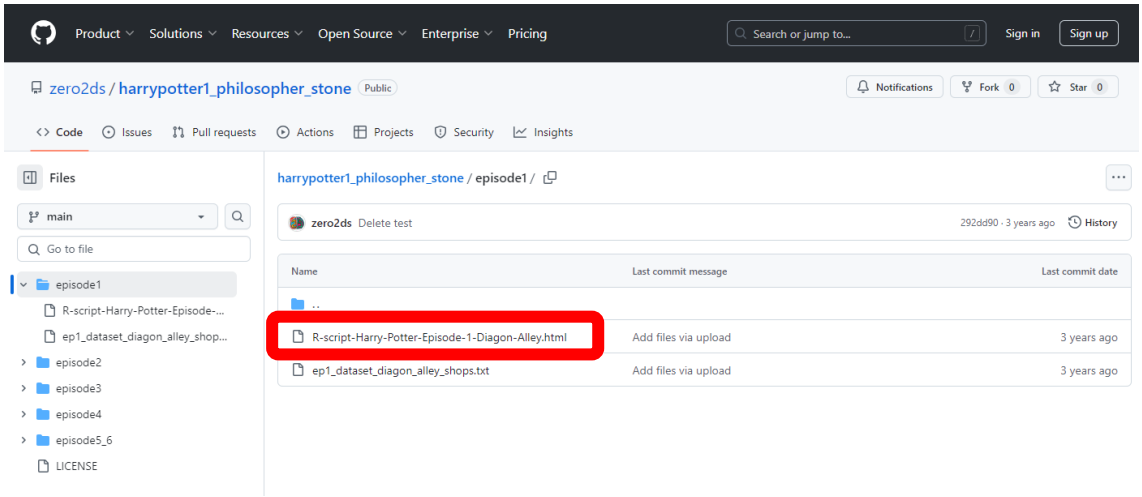
Step 1: Go to the associated Github link with the video series

e.g. https://github.com/zero2ds/harrypotter1_philosopher_stone

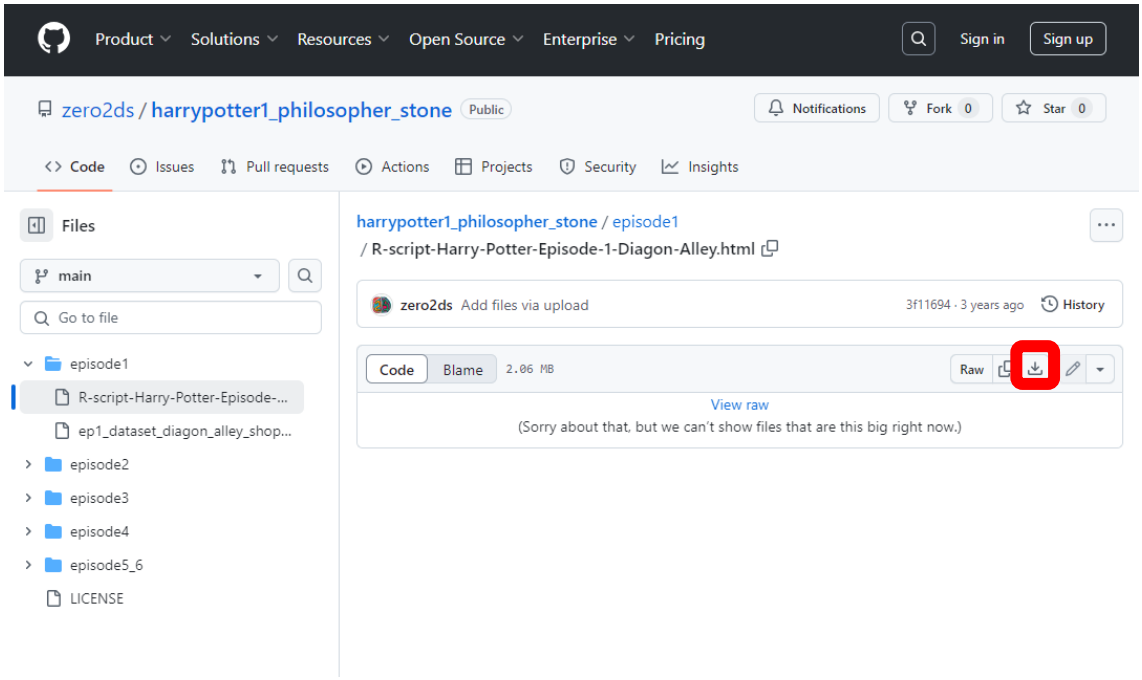
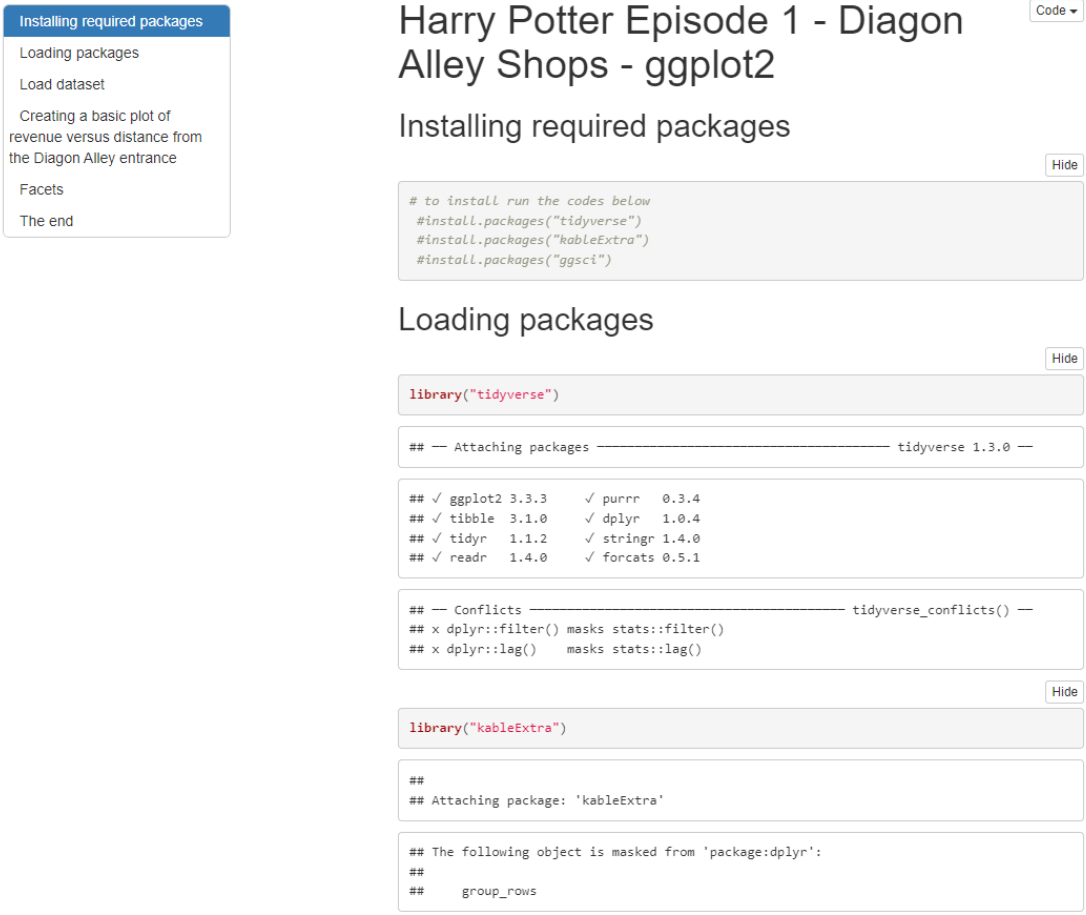
Step 2: Click on the folder with the episode number you are looking for



Step 3: Click on the .html file. This is in the format of `R-script-XXX.html`



Step 4: Click Download raw file using the ⬇ icon



Step 5: Open the downloaded .html file. This will show a R markdown notebook, which has code and the output of when the code is run