Week-1: Challenge

NM2207: Computational Media Literacy

2023-08-13

Welcome! Here is your first task with ⚙️ and ✅ Studio. Go through the steps described below, carefully. It is totally fine to get stuck - **ASK FOR HELP**, reach out to your friends, TAs, or the discussion forum on Canvas.

Here is what you have to do:

1. **Listen** to the video lectures before attending the tutorial
2. Tag your friend at among the questions in the `cbuilder.pdf`. **Hint**
   - Find a partnership to work with
3. Once again, **Do not hesitate** to reach out to the TAs, if you are stuck

I. Accessing files on canvas

1. Go to NM2207 module on canvas
   - Click on "Home" on the left hand side of your screen

Figure: Home page of NM2207 on canvas

   - In the "Home" screen, you will find all the modules that are currently available
   - Go to the module of the most recent week
     - For instance, Week 1

Figure: Typical module

   - Access Video Lectures, Slides, Code-along and Challenge for the corresponding week, online

2. If you want to **download** the files,
   - Look for "Files" on the left hand side of your screen

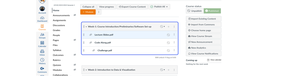

Figure: Finding Files on canvas

   - Click on "Files"
   - The folders are named based on the week
   - Click on a folder you want to access, say Week-1

Figure: Files on canvas

   - The material for each week can be found inside the folder

Figure: Files on canvas

   - You can download the whole folder, or files from the folder by clicking on the three vertical dots at the right-hand corner of the corresponding folder or file

Figure: Downloading files or folders

II. Watching video files on Panopto

1. All the video lectures have been recorded using Panopto on Canvas
2. It is recommended that you watch the videos on Panopto
   - It has been observed that, sometimes, the slides and audio do not synchronise. Please be patient and let it buffer.
   - You can access videos in their respective modules.

Figure: Links to videos in modules

   - Click on a video to play

Figure: Playing video

   - Then press on the button highlighted in the Figure below to watch the video on Panopto.

Figure: Switching to Panopto from the video

   - Another way to access videos is to head to Panopto directly. See how to go to Panopto in the below Figure.

Figure: Going to Panopto

   - Navigate to the newly created folder. NM2207-Week-1

Figure: Navigating to the folder

   - Click on the folder. Week-1, to access all the videos

Figure: Videos in the folder

III. Creating a folder for NM2207

1. Visit a folder to create a new folder
   - It could be the root directory, `C:/`, or your Windows OS
   - It could be `C:/Users/<username>/` or a Desktop
2. Create a folder and name it "NM2207"
   - Inside the folder, you can create another folder and name it "Week-1"
   - Just a suggestion, every week you can create a new folder, and name it after the week
   - This will help you organise the course material
   - You will need them to upload on your webpage in Week-5

3. Now, head to RStudio
   - Create a new project, again, name it after the week

Figure: Creating a new project

   - In the pop-up window, click on "Existing directory"

Figure: Creating a new project

   - In the pop-up window, click on "Browse"

Figure: Browsing files

   - Navigate to the newly created folder. NM2207/Week-1

Figure: Choosing the created folder

   - After clicking on open, the path will appear in the pop-up window like in the Figure below

Figure: Path of the chosen folder

   - Now, you have created a new project within the folder `NM2207/Week-1`

Figure: New project

   - You can save all the files here. Also, ensure you set this as your working directory.
   - Go to the files pane → click on the "Settings" button → Choose "Set as Working Directory"
   - Now, you are all set!

Figure: Setting working directory

   - Follow steps 2-10 every week, before working on a Challenge

IV. Editing a R Markdown file

1. Create a new document using R-Markdown
   - Follow the instructions given in code along to create a new document
2. Your first challenge is to customise the R Markdown document
   - Change the title of the document to "Challenge-1"
   - Insert your name
   - Check on the box that says, "Take the current date while rendering the document"
3. Can you edit the text and write about yourself?
4. Do you want to insert a picture of yourself? Copy the code snippet below and paste it in your .Rmd file

```
```{r, eval.dep=c('.*Intro*.*\n\n.*\n\n.*Date*.*\n\n.*\n\n.*Code*.*\n\n.*\n\n.*Challenge*.*\n\n.*\n\n.*Name*.*\n\n.*\n\n.*Image*.*\n\n.*\n\n.*Text*.*\n\n.*\n\n.*Bullet*.*\n\n.*\n\n.*Header*.*\n\n.*\n\n.*Save*.*\n\n.*\n\n.*With*.*\n\n.*\n\n.*Knit