

Perusall Quick-Start Guide

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What is Perusall?

Perusall is a free browser-based software platform for interactive learning. Students help each other learn by collectively annotating readings in threads, responding to each other's comments, and interacting. Perusall can bring the interactivity of a small seminar to a larger course.



Why are we using Perusall?

Some of our Data Science Workshops are being taught using a “flipped classroom” model — this is where lecture-based material is delivered online, asynchronously, so that it can be digested at your own pace, which provides more time for Q&A discussion during in-class time.

Prior to our Zoom-based one-hour Q&A session, there will be a **two week self-study period** during which you can work through the workshop materials at your own pace. We are using Persuall as a means to facilitate greater engagement with the workshop materials during this self-study period. With Perusall, you will be able to post questions and comments about parts of the materials you do not understand or problems you encounter. Instructors can answer your questions and comments, but you will also have the opportunity to reply

to questions and comments from other participants. In this way, Perusall facilitates peer-to-peer and peer-to-instructor learning.

Your successful completion of the workshop will be based on making a contribution, via questions and comments, during this self-study period.

How to use Perusall?

You should have received an email asking you to create an account at <https://perusall.com/>. You should also have receive a **course code** via email. If you have not, please contact your workshop administrator. Once your Perusall account is created, enter the course code and you will be able to view the course materials.

During the two week self-study period, you can highlight sections of the workshop materials you wish to ask questions about, add comments, as well as respond to questions and comments from other participants. The window for submitting questions will close 24 hours prior to the Zoom Q&A session.

0.1 My courses

Once you have logged into Perusall and entered your course code, you should see the name of the workshop you have registered for listed under **My courses** (highlighted in red in the image below).

The screenshot shows the Perusall homepage. At the top, there is a navigation bar with the Perusall logo, a Help link, and a user icon labeled 'TS'. Below the navigation bar, there are three main buttons: 'Enroll in course', 'Create study group', and 'My purchases'. The 'My courses' section is highlighted with a red box. It displays a card for 'Data Science Workshops' with the text 'Starts January 11, 2021 / Ends February 1, 2021'. Below this, the 'My archived courses' section is shown, stating 'You do not yet have any archived courses. Courses are archived automatically when their end date has passed.' A 'Sort by: Name, A-Z' dropdown is also visible.

Click on the name of the workshop to proceed.

0.2 Get started

You will now enter the **Course home** page, under the **Get started** tab. This page provides some basic information about Perusall. At the top of the page, there are two other tabs — **Library** and **Assignments**. Click on the latter (highlighted in red in the image below).

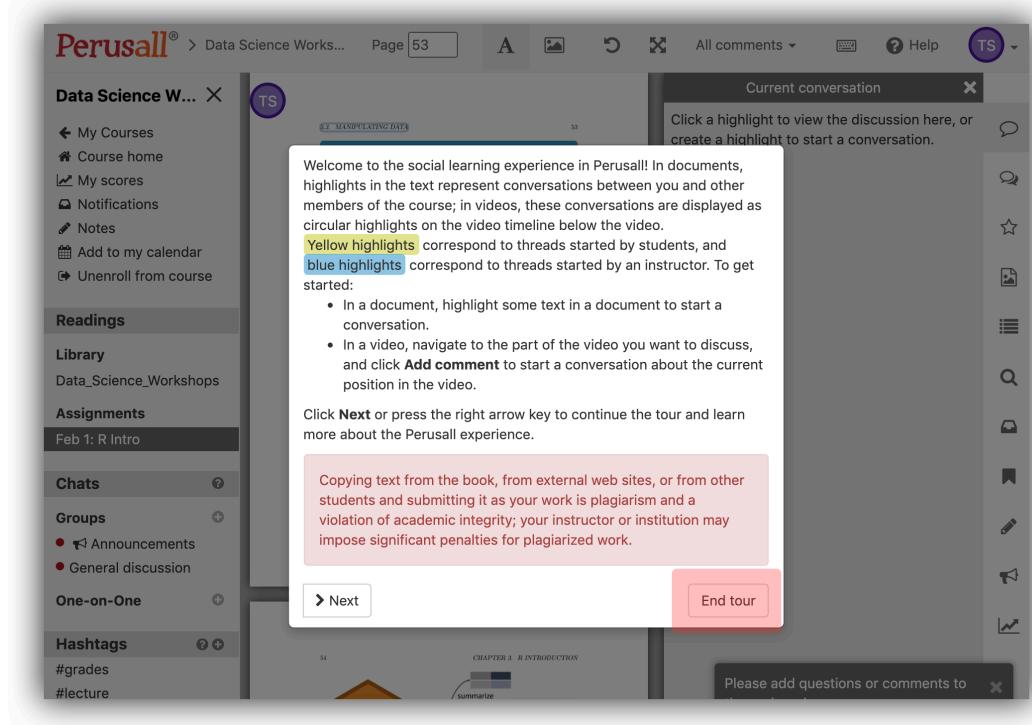
The screenshot shows the Perusall interface. At the top, there's a navigation bar with the Perusall logo, a back arrow, and the text "Data Science Workshops > Get started". To the right are icons for Help and a user profile (TS). Below the navigation is a sidebar with links like "My Courses", "Course home" (which is bolded), "My scores", "Notifications", "Notes", "Add to my calendar", and "Unenroll from course". The main content area has a title "Data Science W... X". It features three tabs: "Get started" (blue), "Library" (grey), and "Assignments" (red). The "Assignments" tab is currently active. The main content includes text about Perusall helping users learn faster through collaboration and annotations, and a list of behaviors that predict higher grades. On the left, there are sections for "Readings", "Library" (with "Data_Science_Workshops"), "Assignments" (listing "Feb 1: R Intro"), "Chats", "Groups" (with "Announcements" and "General discussion"), "One-on-One", and "Hashtags" (#grades, #lecture).

0.3 Assignments

You will now enter the **Assignments** page. For your workshop, there will be only one assignment. To start working on the assignment, click on the **Work on assignment** button (highlighted in red in the image below).

The screenshot shows the Perusall platform interface. On the left, there's a sidebar with navigation links: 'My Courses', 'Course home' (which is selected), 'My scores', 'Notifications', 'Notes', 'Add to my calendar', and 'Unenroll from course'. Below that are sections for 'Readings', 'Library', 'Data_Science_Workshops', 'Assignments' (which has a sub-item 'Feb 1: R Intro'), 'Chats', 'Groups' (with items 'Announcements' and 'General discussion'), 'One-on-One', and 'Hashtags' (#grades, #lecture). The main content area shows an assignment titled 'Data_Science_Workshops' due on 'Feb 1, 2021 12:00 pm EST'. It includes a thumbnail of the document, the title 'R Intro', and a preview of the document's content. A message says 'Please add questions or comments to the assigned page ranges'. Below that is a light blue box stating 'Assignment not yet opened.' At the bottom right of the assignment card is a large green button with a white arrow pointing right and the text 'Work on assignment'.

You will enter a new page and be presented with a popup window of instructions. Once you've read the instructions, click `End tour` in the bottom right of the popup (highlighted in red in the image below).



0.4 Layout

You will now enter a new page where the main screen displays the workshop materials as a pdf file. You can scroll through the materials as you work on them. You're now ready to start! You can work through the materials at your own pace.

The screenshot shows the Perusall platform interface. On the left, there's a sidebar with navigation links: 'My Courses', 'Course home', 'My scores', 'Notifications', 'Notes', 'Add to my calendar', and 'Unenroll from course'. Below that are sections for 'Readings' (Library, Data_Science_Workshops), 'Assignments' (Feb 1: R Intro), 'Chats' (Groups: Announcements, General discussion; One-on-One), and 'Hashtags' (#grades, #lecture). The main content area shows a page titled 'CHAPTER 3. R INTRODUCTION' with the number '54'. The page features an orange hexagonal logo for 'dplyr' with a pliers icon. To the right of the logo is a diagram illustrating data manipulation operations: 'filter' (green), 'summarize' (grey), 'mutate' (blue), and 'select' (yellow). Below the diagram, a section titled '3.3.1 Filter, select, & arrange' contains R code for filtering baby names data for the years 1992, 'Alex', and 'Mark'. A red box highlights the code chunk. A small 'Please add questions or comments to' box is visible at the bottom right.

0.5 Ask a question

As you work through the materials, you may want to ask questions or make comments about the content. You can do this by simply highlighting the part of the text that you'd like to refer to (see highlighted code chunk in left side panel below). When you highlight text, a new panel opens on the right called **Current conversation** that contains a smaller ‘speech bubble’ inside which you can type text — this is where you can ask your question or make a comment (highlighted in red in right side panel below). Your question could be in plain English, or include code.

The screenshot shows the Perusall platform interface. On the left, there's a sidebar with navigation links like 'My Courses', 'Readings', 'Assignments', 'Chats', 'Groups', 'One-on-One', and 'Hashtags'. The main area displays a slide titled 'CHAPTER 3: R INTRODUCTION' with a 'dplyr' logo and a diagram illustrating its functions: filter, select, mutate, and summarize. Below the diagram is a code chunk from '3.3.1 Filter, select, & arrange' that reads:

```
# Read in the baby names data (if you haven't already)
baby_names <- read_csv("babynames.csv")

# Filter data, keeping "Alice" and "Mark" in year 1992, record 1000
# Use logical operators to specify the filtering condition
head(baby_names[baby_names$name %in% c("Alice", "Mark") & baby_names$year == 1992, 1:3], 10)
```

A red arrow points to the line where two equals signs are used in the condition. To the right, a 'Current conversation' window is open, showing a message from 'TS': 'Why do we use two equals signs in this code chunk?'. A reply box says 'Not yet submitted: press Enter to submit.' Below the conversation is a note: 'Please add questions or comments to'.

Once you have finished typing your question press enter/return. Your question will now be visible to the instructor and other workshop participants. Don't be shy — **there are no silly questions!!!**

As you scroll through the materials, you can click on any existing highlighted text to view the conversation associated with it.

0.6 Answer a question

If you see a comment or question that you can help with, please try to answer it yourself! There will be a speech bubble under the most recent part of the conversation thread, which you can write your reply in (highlighted in red in the image below). This is a great way to learn, since we often learn best by teaching others. Feel free to ask as many additional questions as you want within the same conversation thread.

The screenshot shows the Perusall platform interface. On the left, there's a sidebar with navigation links like 'My Courses', 'Course home', 'My scores', 'Notifications', 'Notes', 'Add to my calendar', and 'Unenroll from course'. Below that is a 'Readings' section with 'Library' and 'Data_Science_Workshops'. Under 'Assignments', 'Feb 1: R Intro' is selected. In the 'Chats' section, there are 'Announcements' and 'General discussion'. The 'Hashtags' section includes '#grades' and '#lecture'. The main content area displays a slide titled 'CHAPTER 3. R INTRODUCTION' with a 'dplyr' logo and a diagram illustrating data manipulation steps: filter, select, summarize, mutate, and arrange. Below the diagram is a code chunk titled '3.3.1 Filter, select, & arrange'. It contains R code to filter baby names by year and count, and then select specific rows where the year is 1992 and the name is either 'Alex' or 'Mark'. The output shows four rows: Alex Boys 366 1992, Mark Boys 8743 1992, Alex Girls 366 1992, and Mark Girls 8743 1992. To the right of the slide is a 'Current conversation' window. A message from 'TS' asks, 'Why do we use two equals signs in this code chunk?'. A response from 'TS' says, 'Enter your comment or question and press Enter. Mention a friend by typing @. Add hashtags by typing #.' At the bottom of the conversation window, it says 'Please add questions or comments to the slide below.'

The above process repeats itself whenever you reach part of the materials you have a question about: **highlight text -> type question**.

Zoom-based Q&A session

After the two-week self-study period, we will host a one-hour live Q&A session via Zoom. No new material will be presented during this session – rather, this will be an additional opportunity to ask questions and get feedback about the materials. The instructor will use the questions submitted on Perusall as a starting point for discussion and possibly for short code demonstrations illustrating conceptual or syntactical stumbling blocks.

Zoom etiquette: Please be punctual. All participants will initially be entered into a Zoom waiting room and the presenter will admit them to the session at the designated start time. Any participants arriving in the wait room more than 5 mins past the listed start time of the session will not be admitted.