# Submitting the first homework

Mark Huber

# Before you start

In order to knit your homework correctly, first you will need three files, all of which are posted on the class website on Sakai.

1. The homework file itself. The first homework is posted as `hw1_CSCI036.Rmd`.

2. The file `homework-style.css`. Here css stands for Cascading Style Sheet, and tells a web browser how to interpret an html file.

3. The file `duedates.txt` with the due dates for each of the homeworks.

# Setting up directories

Line 6 of the homework file reads:

```
        css:  ../homework-style.css
```

The `../` that precedes the name of the file indicates that this goes in the parent directory of where the homework file is stored. This also applies to `"../duedates.txt"`

So I recommend creating a folder on your computer to store all class files. Inside that directory create a directory called `homework`, and inside that directory create a directory called `hw1`. This can be visualized as follows:

```
CSCI036_Fall2022
|
+--homework
   |
   +--hw1
```

With these folders created, do the following.

- Place the `hw1_CSCI036.Rmd` file in the `hw1` folder.

- Place the `homework-style.css` and `duedates.txt` file in the `homework` folder

# Writing the homework

Now you are ready to begin the homework! Start by double-clicking on the `hw1_CSCI036.Rmd` file and using RStudio to open it.

Line 2 of the file reads:

```
author: "Insert Name Here"
```

Replace `Insert Name Here` with your name.

In the .Rmd file, you will see *custom blocks* for problems and solutions that look like this:

```
:::: {.problem}
What is \( 4 + 5 \)?
::::

:::: {.solution}

::::
```

Write your answer to the problem above inside the solution block. So the solution would be something like

```
:::: {.problem}
What is \( 4 + 5 \)?
::::

:::: {.solution}
\( \boxed{9} \).
::::
```

If you need to box text, use `\text` inside LaTeX. For example:

```
:::: {.problem}
What is Kant's primary philosophical principle of morality?
::::

:::: {.solution}
\( \boxed{\text{The categorical imperative.}} \).
::::
```

# Getting ready to submit the homework

Once you are done writing the homework, now it needs to be prepared for submission to Gradescope. This involves two steps.

1. Knit the file in RStudio. The Knit button will be just above the window pane with your .Rmd file and has an icon of a ball of yarn with a knitting needle through it.

2. This will (by default) create an .html file. Next open this file in a web browser. Chrome seems to work best for the next step.

3. From Chrome, print out your homework to a .pdf file. Please name the file `hw1_yourname.pdf`, replacing `yourname` with your name. Note that the file will print each homework problem on a new page, unlike what you see with the .html file.

4. Go to Gradescope and submit the .pdf. You will be asked to mark for each problem, which page contains that problem.