

Lesson title

Author name

Introduction

Welcome to this page.

you can click on the **Code** button at the top right to see the page's source code.

Objectives

- ☐ Create a webpage
- ☐ Learn how to use metadata
- ☐ Add a link in the navigation bar
- ☐ Writing in markdown

1 Metadata

This file's metadata is displayed at the top between the ---.

1.1 Basic setup

```
---  
title: "Title of this page"  
description: "Description of this page"  
author: "Author name"  
format: html # because it's a webpage  
from: markdown+emoji # you use markdown language  
---
```

1.2 Advanced

1.2.1 Add a table of contents

With the following setup, all titles, i.e. lines beginning with # will be added to the table of contents.

```
format:
  html:
    toc: true                # Add a Table Of Contents
    toc-location: left
    toc-expand: 3            # 1 : only main titles ... 5 : highly detailed
```

If you want to remove a title from the table of contents, use the `unlisted` class :

```
# My title {.unlisted}
```

1.2.2 Self-numbering

If you use this setup `number-sections: true`, each title will be numbered.

If you don't want to number a part, use class `unnumbered` :

```
# Introduction {.unnumbered}
```

1.2.3 Export pdf

The format of a web page is html.

But you can also export in pdf format.

```
format:
  html:
    ...
  pdf:
    margin-left: 2cm
    margin-right: 2cm
    margin-top: 2cm
    margin-bottom: 2cm
    shift-heading-level-by: -1
```

When you will render the quarto project, it will create a file `lesson.pdf` in addition of `lesson.html`.

On the webpage, a link will appear under the table of contents to download the pdf.

i Note

To perform this you have to install first tinytex : `quarto install tinytex`

2 Add a link in the navigation bar

The navigation bar is setup in the file `_quarto.yml`. Look for `navbar` key, and then add a link to this page

3 Markdown basics

For more information, you can see [this page](#)

3.1 Text format

bold - *italic* - ***italicbold*** - Script - ~~strike~~

Citation

Orange text on black background by defining class `.orange_black` in file `style.css` at the project root.

3.2 Table

More about [markdown table](#)

Table 1: French Departments

Code	Name	City
01	Ain	Bourg-en-Bresse
02	Aisne	Laon
03	Allier	Moulins
04	Alpes-de-Haute-Provence	Digne-les-Bains
05	Hautes-Alpes	Gap

3.3 List

- item 1
 - item1.1
- item 2
- ☐ item3 with checkbox

3.4 Columns

content of the first column

content of the second column

3.5 Figures and Videos



Figure 1: Stones

https://www.youtube.com/watch?v=tHKc-DBb_ME

4 Advanced tools

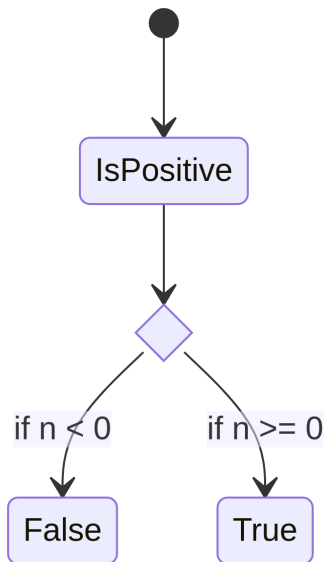
4.1 Math

- with one \$: inline $\bar{X}_n = \frac{1}{n} \sum_{i=1}^n X_i$
- with two \$\$:

$$\tilde{S}^2 = \frac{1}{n} \sum_{i=1}^n (X_i - \bar{X}_n)^2$$

4.2 Diagrams

[Mermaid](#) lets you create various diagrams and visualizations



4.3 Callout Blocks

Note

Note that there are five types of callouts, including: `note`, `tip`, `warning`, `caution`, and `important`.

This is very very important

With a custom title

With hidden text

Hidden text