Chapter 1
March 2023

13 - Work organization

In bioinformatics and computational biology it is extremely important to organize your files, scripts, reports, among others. In table 1.1, I mention the most important aspects that should be addressed in your organization and helpful tools.

In summary, you need an adequate tool for each aspect, say latex or word for project documentation, and a backup and/or version control tool, say GIT or a cloud option for project documentation.

Table 1.1: Aspects of organization and respective tools.

Aspect	**Tools and backup**
Project documentation	Latex & GIT; word & cloud; google docs
Scripts	GIT; cloud
Papers, reports and presentations	Latex & GIT; word & cloud; google docs
Bibliography	Latex; Citavi, etc.

Learning Latex

- Working folder: path
- Source: https://github.com/waltercostamb/Lab-Book

Latex is a high-quality typesetting system, available as free software, which allows to produce scientific or technical documents [ProjectLaTex, 2017]. I am using Latex to create a Bioinformatics Lab Book. To compile my Lab Book, I can use command lines (pdflatex and bibtex). Afterwards I can visualise the produced .pdf file with evince or another reader. Alternatevily, I can use a Latex editor, such as TexWorks (https: //www.tug.org/texworks/), which allows me to write the code and control the pdf file in the same environment (Figure 1.1).