« How to write a scientific article »

**When**: This document must accompany you during your thesis work when you wish to publish.

**Why**: It allows you to build the framework of your scientific paper.

**Inputs**: This document allows you to write according to a plan and meet the objectives of each of these parts.

# In collaboration with your supervisor(s)

* Which contributions would you like to publish on?
* What are the reviews to do so?
* What are the recommendations to authors?
* What is their ranking? (A+, A, B, C)
* What is the language of writing?
* If you are writing in groups, what is the order of the authors?
* When would you like to publish?
* Which articles should be included?

Tip: An article should outline 1) a scientific contribution, 2) why it is important and innovative in relation to the literature, 3) how this contribution has been built and evaluated, 4) what it contributes in relation to the literature, 5) the limitations of this contribution and perspectives.

# How to write …

* **Title** (simple, precise and short)
* **Summary of the article**
	+ Introduction: This section provides a brief introduction to the subject studied and the problematic posed.
	+ Méthode: Present the research or experimental method that will be used to answer the problematic.
	+ Results: Briefly, the characteristics of the data produced, a result.
* **Structure of the article**

**Tip: Write an article with the reader in mind. More concretely, each section of the article should introduce the content of the section and conclude by announcing the next section.**

* **Introduction**
	+ Specify the objectives of the article
	+ Describe the problem and context
	+ Explain why your scientific contribution is important
	+ Define the vocabulary needed for understanding
	+ Present the research question and hypotheses
	+ Introduce the frame of the article
* **Literature review (integration of the main articles)**
	+ Introduce what this section will present
	+ Indicate on which criteria you analysed the literature
	+ For each criterion, present what the authors propose
	+ Summarize for each of these criteria
	+ Identify the gaps
	+ Propose and describe your contribution
* **Scientific contribution**
	+ Introduce what this section will present
	+ Describe your scientific contribution *(e.g. learner model)*
	+ Describe the tools that may have been deployed in connection with this contribution *(e.g. learning platform)*
	+ Describe how this answers the gaps identified in the literature review
* **Methods**
	+ Introduce what this section will present
	+ Describe your method of conducting the research. i.e. how the research was organised and according to what principles (more of an experimental science type or with and iterative construct)
	+ Present your experimental protocol about the objective of the article (refer to the guide to building your experimental protocol)
	+ Introduce the organizaton of your experimentation (refer to the guide to organizing your experimentation)
	+ Present data processing methods (refer to the guide on quantitative data analysis)
* **Results**

*To be submitted hypotheses by hypotheses or questions by questions*

* + Introduce what this section will present
	+ Present analyses and results
	+ Synthesize results hypotheses by hypotheses or questions by questions
* **Discussion**
	+ Introduce what this section will present
	+ Putting the results in perspective with the shortcomings identified in the literature review
	+ Present the limitations of the results
* **Conclusions, perspectives**
	+ Re-submit research questions or hypotheses
	+ Present the main answers of the study
	+ Present the limits
	+ Imagine the perspectives for the contribution (take another look in the literature review)

# Checklist

□ Use clear, precise and concise writing

□ Naming figures and tables

□ Check references for figures and tables in the text

□ Check the references in the text and refer to it in the bibliography

□ Check bibliography (follow journal standards)

□ Make a first draft of the article and polish it up

□ Have co-authors read again for feedback before sending to the journal (remember to set a deadline)

□ Integrate feedback from co-authors

□ Writing the abstract

□ Review bibliography and references in the text, concordance of figures and tables

□ Read the article again a week later (if the dead line allows it ☺)

□ Submit to the review

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