

# Research Process

Etienne Renault

21 novembre 2017

<https://www.lrde.epita.fr/~renault/teaching/biblio/>

# Major Steps of The Research Process 1/3

## ① Literature Review :

- ▶ What's already been done ?

Knowledge of existing work will keep you from "reinventing the wheel" and will give inspiration.

## ② Research Proposal :

- ▶ What you plan to accomplish ?
- ▶ Why you want to do it ?
- ▶ how you are going to do it ?

Should have sufficient information to convince your readers that you have an important research idea.

# Major Steps of The Research Process 2/3

## ③ Development :

- ▶ Do it !
- ▶ Prepare data, implement your idea.

The core of the research process

## ④ Evaluation :

- ▶ How to check that your idea work ?

It is very common to iterate between development and evaluation.

# Major Steps of The Research Process 3/3

## 5 **Reporting :**

- ▶ Write up a report on your results

## 6 **Publication :**

- ▶ Publish it to a broader audience, maybe at a conference or journal.

## 7 **Presentation :**

- ▶ It is necessary to be able to present your work to your peers.