PROJECTS

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latest version
Following sections items are clickable

 laboitenoire
 reimah
`</>` Python, R
light theme

PROJECTS

- **T E R (work in progress)** [1]   Feb. 2026 – Present
  - *Mathematics (in progress) : stochastic calculus, actuarial mathematics, inferential statistics, financial mathematics.*
  - *Language : Python, LaTeX, Markdown(jupyter).*
- **Stochastic Provisioning Model**   2025 – 2026
  - *Mathematics[2] : markov chains, poisson process, continuous stochastic variables.*
  - *Methods[3] : monte carlo, variance reduction, walker tables, reject method, survive function inversion, POO, ruin probability, tkinter interface, multi-thread.*
- **[Acces]Final Project**   2025 – 2026
  - *Project redaction[4] : possible trajectory in the Paris subway.*
  - *Langage : SQL, LaTeX.*
- **TIPE:**[5] Data scrapping for language processing   2023 – 2024
  - *Theory : language theory, automata, graph theory, algebra(magma).*
  - *IT : data scrapper, data scroller, NLP, machine learning, multi-thread, tkinter gui, POO*
- **TIPE :** Procedural city generator   2022 – 2023
  - *Theory : probabilities theory, conditional probabilities.*
  - *IT : PIL, tkinter gui, POO, random simulations.*

PERSONAL PROJECTS

- **Mathematics Tutor (in progress)**   2024 – Present
- **2D Game engin(work in progress) (work in progress):** isometric, pixel art   2026 – Présent
  - *Mathematics : geometry, linear algebra, automata*
  - *Language : Python, LaTeX, Markdown(jupyter)*
- **« discord bot »**[7] for table role-play game   2023 – 2024
  - *Mathematics : automata.*
  - *Language : Python*

1. [1] https://github.com/LaboiteNoire/TER
2. [2] https://github.com/LaboiteNoire/techniques-de-simulations-/blob/main/Pr%C3%A9sentation.pdf
3. [3] https://github.com/LaboiteNoire/techniques-de-simulations-/blob/main/Methodes_otpimisees.ipynb
4. [4] https://github.com/LaboiteNoire/Pr-sentation/blob/main/Pr%C3%A9sentation%20Acces.pdf
5. [5] https://github.com/LaboiteNoire/Pr-sentation/blob/main/cr0004.pdf
6. [6] https://github.com/LaboiteNoire/LolaEngine
7. [7] https://github.com/LaboiteNoire/LoBot_02/tree/main/wskp0001