# Documentation for economic studies

# Current steps

1. Use a virtual environment and change gitignore accordingly,
2. Make UML and list of phenomena (cf. Documentation/Objective and plan)

# Objective

predict securities' prices and dividends in a given set of markets to determine good economic decisions

# Plan summary

* 1. Proof of concept: implement simulation in OOP using free tools that allow to advance quickly both through straight forward implementation of ideas, and testing. (cf. 2.b.i). They are not the most efficient though (they will probably have to be changed once the algorithm is ready, e.g. with SQL, C and Eclipse).

Advance in parallel on:

* + 1. Develop model (cf. overleaf/trading\_project)
    2. Translate model to OOP (objects and phenomena)
       1. UML
       2. List of phenomena to consider
    3. Implement classes
    4. Instantiate objects
    5. Implement phenomena
    6. Check verisimilitude of simulation results
  1. Tools
     1. Softwares:
        1. Python
        2. VScode
        3. MongoDB.
     2. Hardwares: old ASUS laptop