

Our project a financial back-testing and portfolio optimization framework operates under several key constraints that guide both its design and implementation.

From a technical perspective we have used open source libraries like Pandas, NumPy, and Matplotlib in Python. On a professional level, this project helps us strengthen our technical skills in quantitative finance, algorithmic trading, and software design. At the same time, it challenges us develop coding skills, use documentation, and clear collaboration to reflect professional competence and teamwork.

From an ethical perspective, we're committed to developing features for educational and analytical purposes and not to mislead financial predictions or provide any form of investment advice. We prioritize transparency by clearly stating our assumptions and methods to uphold academic integrity.

We will follow all data usage rights and API terms of service while keeping our datasets secure through local storage and careful file handling to prevent unauthorized access or data tampering.

Lastly our goal is so that the project supports accessible quantitative finance education without causing environmental harm, as it operates entirely in a digital environment and promotes open learning.

Together, these constraints help us build a project that is responsible, efficient, and ethically sound, striking a thoughtful balance between innovation and accountability