1. La finalité du projet

2. Les outils utilisé (on peut présenter les résultats du projets)
3. Expliciter les tâches qui nous a été donnée + rôle dans le binôme

The purpose of the project was to perform in-depth statistical analysis on a complex database. The database consisted of different tables and contained a variety of data. To achieve this goal, we used SQL Workbench as our coding tool for SQL, and another dedicated application for the Python programming part.

The first step of our project was to study a UML diagram representing the Parcoursup application. This diagram served as the starting point for our database modeling. We carefully examined the diagram to understand the structure of the required database. Then, we translated the diagram into SQL language to create the necessary tables and relationships.

The second step of our project involved populating the database with real data. We received a temporary table containing all the necessary information. Our task was to extract this data and import it into our database while adhering to the predefined constraints and relationships. This required skills in data manipulation and transformation to ensure data consistency and integrity.

Finally, the last part of our project focused on data analysis. We chose to concentrate on the success rates in the baccalaureate exam based on different criteria, such as the status of being a scholarship recipient or not. To achieve this, we created a multidimensional view with five dimensions using advanced data modeling techniques. This view allowed us to visualize the data from different perspectives and conduct in-depth statistical analysis using the Python programming language.

As the project leader, my main responsibility was to ensure the smooth progress of the project and coordinate the efforts of our team. I made sure that each step was completed within the given timeframe and that tasks were distributed evenly among us. We worked closely together throughout the project, sharing ideas, solving problems as a team, and completing the final phase collaboratively.

In that SAE we're in a group of 4 and the goal is to manage specifications of a hotel management software for the hotel named Cheval Blanc. Our objective is to analyze and understand the requirements of a client.
We're going to construct a monitoring process of a project.

For communication and the respect of the deadline we use the software Trello what allow us to register our tasks.
We start with the redaction of the SEL. The SEL is a document which specificize the requirements of the client.
Then we made a flow chart of tasks that summarized more explicitly what we said on the SEL.
The flow chart is composed of 4 elements, first we analyzed what we done when we started the project, analyzed the subject, make the scoping note, and the requirement of the client.
The scoping note is the definition of the project, our objective and the schedule.
The second part is the design with UX and the UI of our future software. So, the UX is user experience it's basically the ergonomic and the way to use it.
The UI is the user interface so the design part.
The third part is the Developpement of the application cut in five parts for all of the functionality that we should develop.
The final part is the test part so what we must verified.

In addition, we made a RACI Matrix, it means which person has done what on the analyze part, the R for responsible, A for actor, C for consultor, and I for informed.
In the same continuity we have the estimation of charges, so it's all cost for our project.
Finally, we make a GANT's diagram with the software Project Libre, it consists of show the time-lapse of our project from the beginning to our final oral.

Personally, I work on the SEL like everyone, I also make UX on the software. Moreover, I drew the flow chart and wrote the matrix RACI with a partner.
Finally, I made a functionality that is "modification of a prestation".

I will present the SAE project that we worked on this semester. The main goal of this project was to develop a computer application that meets the client's requirements. We were a team of 4 people, with myself as the team leader.

First, we set up all the necessary components to create a working Apache server on a virtual machine. The first three steps we had to complete were: starting the Apache web server to access it through localhost:80, configuring the PHP module, and integrating MySQL with PHP. Timeo handled the server setup, while Etienne and Enzo were responsible for configuring the PHP module. To make sure everything worked correctly, they tested PHP by creating an HTML page and checking if PHP was properly interpreted in .htm/.html files. The second part of the project focused on implementing security measures to control user access on the web server. As for me, I worked with MySQL and used PHP scripts to interact with the database, as I needed to establish the connection between MyS QL and PHP at the beginning of the project. In addition to the technical aspects, we paid close attention to meeting the client's needs throughout the development process. We configured the web server, created public pages, and implemented a functional login/signup system.

Overall, our work on the SAE project involved configuring the Apache server, integrating PHP and MySQL, implementing security measures, and ensuring the application meets the client's requirements. It was an educational and rewarding project that allowed us to gain valuable experience in deploying a computer application.