Project Follow up

Our team recently participated in an exciting project focused on the classification of the energy performance of properties. This competition involved 20 teams, each striving to develop high-performing classification models to assess the energy efficiency of real estate.

The ranking in this competition was determined by the accuracy of the models, and we are proud to have achieved 5th place overall. What makes this accomplishment even more significant is that we outperformed the professor whose accuracy was around 87 percent. Beating an expert in the field has been a source of great satisfaction for our team.

This project proved particularly challenging due to the significant number of columns to preprocess in the data. The nature of the classification was also a challenge as it involved a multi-classification task. This meant that each property could be classified into multiple categories based on its energy performance.

The most interesting aspect of this competition was the complete freedom we had to choose tools and methods. It was a playground where all strategies were allowed, encouraging creativity and innovation in approaching the problem.

Moreover, the challenge was heightened by the limitation to only 10 pushes. Despite this constraint, we managed to optimize our code efficiently. In just 3 pushes, we achieved an accuracy of 93 percent, showcasing our ability to maximize impact with a limited number of updates.

Overall, this project provided us with a rich learning experience, from handling complex data to implementing machine learning models for classification. Our 5th place in the competition, combined with our impressive performance with only 3 pushes, attests to our commitment and ability to tackle complex challenges in the field of data analysis and energy classification.