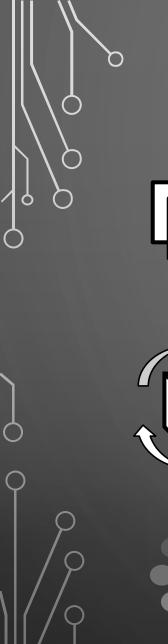


# SCHNEIDER ELECTRIC HACKATHON

DATA SCIENCE CHALLENGE

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## PROCESS HIGHLIGHTS



Loading and joining the datasets



Data Transformation & Creation of the Model



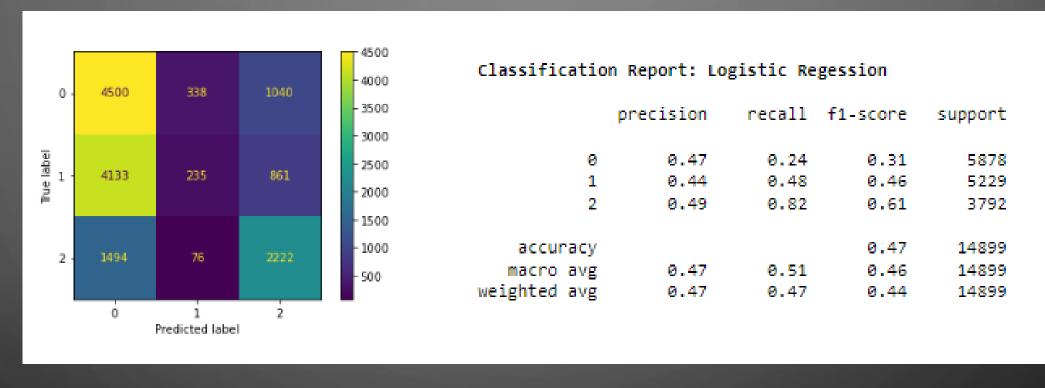
- Intented to join the pdfs also, but was unsuccessful (bad configuration of java in my PC made the task very time consuming)
- Replacing strings and datatypes, checking for duplicates and correlations
- Deciding which atributes have more sence in remaining and dropping the rest
- Creating a logistic regression model and preparing the data for its training, testing and aplication



**Evaluation & Predictions** 

- Evaluating the effectiveness of the model both in its initial form and after alterations
- Application of the final model on the data to predict
- Saving the results

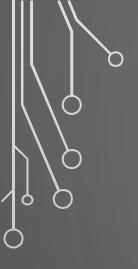
#### MODEL EVALUATION



Class 0: Nitrogen oxides (NOX)

Class 1: Carbon dioxide (CO2)

Class 2: Methane (CH4)



#### CONCLUSIONS

- Model with poor efficiency and goodness scores.
- More alterations and better reconsideration about the relevant atributes is needed.

## Final Thoughts

- > Lost way too much time with the pdfs.
- > I had a lot of fun doing it!!

Thank you!