Jean Monnet University

Machine Learning and Data Mining master program

Second Semester

“Knowledge Discovery and Data

Mining”

Data Mining Project with R

*Author*

Kristina Kulivnyk

*Supervisor*

Prof. Fabrice Muhlenbach

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# Problem understanding

For Data Mining project I decided to choose a dataset that combine information about state of education in Ukraine. It has diverse data, starting from … up to … .

I’ve choose this dataset because it is compelling and indispensable personally to me to get a deeper understanding of the state of education in my native country via building various statistical and predictive models. The reason of such interest is in an increasing number of debates over the quality of education in Ukraine, its relevance comparing to european systems and causes that could help to bring it to a new, more advanced level. Since posting a real state or the education has lots of rigid drawbacks for the national government, there exist a lot of populism and manipulation both in press and web articles over such vulnerable topic. My goal is to get relevant information and to build a genuine models using independent data, collected by UNESCO.

I hope that my work could not only provide some valuable information personally for me but would also be a good start for actual changes in educational system in Ukraine. I believe that when we know reasons, we could fight for better results.

The data for my research was found on a UNESCO website (could be accessed via the link - <https://data.humdata.org/dataset/unesco-indicators-for-ukraine> ). The goal of such datasets is to provide the most recent information about state of culture, education, literacy of the country. Datasets are updated every year.

# Data understanding

# Data preparation

# Modeling

# Evaluation

# Deployment

# Sources:

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