Władysław Merlin

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As a Junior Data Scientist with a focus on machine learning, I am experienced in working with large datasets and utilizing various machine learning techniques. My expertise includes developing predictive models, feature engineering, data visualization, and data analysis

Education

Warsaw University of Techology Oct. 2020 – Present

Mathematics and Data Analysis

Experience

Hishoo July 2022 – Present

Data Scientist with Machine Learning | *Python, Scikit-learn, pandas, NumPy, pycaret, XGBoost*

- Investigated methods for extracting parameters from voice data
- Developed a machine learning algorithm to evaluate levels of drunkenness based on voice analysis
- Leveraged Google Cloud API to develop a voice recognition algorithm that outputs a dataframe detailing the timestamps and vocal activity levels for each word in a given phrase
- Conducted research on transitioning to a new corpus problem based on the correlation of features

Projects

"ROSES" pole | *R, RStudio, ggplot2, Seaborn* April 2022 – June 2022

- Analyzed data from a poll conducted among middle school students
- Based on the obtained data created a poster reflecting student interest in subjects, learning methods and difficulties encountered during learning
- The poster was selected for display at the Copernicus Science Centre

Meat Consumption | *R, R Shiny* March 2022 – April 2022

- Analyzed World Meat Production Datasets in 1961-2018
- Developed a web application using R Shiny that visualizes changes in per capita meat consumption and the number of animals slaughtered annually, segmented by type of meat
- Developed an interactive dataframe that enables users to review minimum, maximum, and average meat consumption of a specific country within a given time period

Technical Skills

Languages: Python, R, Matlab, Excel VBA, SQL

Developer Tools: Google Cloud Platform, PyCharm, RStudio, Jupyter notebook

Libraries: pandas, NumPy, Matplotlib, Scikit-Learn, R Shiny, XGBoost, ggplot2, pydub, spaCy

Related Skills

Languages: Russian, Polish, English

University courses: Data Exploration and Visualisation, Statystics, Machine Learning, Mathematical Analysis

Additional courses: Create ML Models with BigQuery ML, Build and Deploy Machine Learning Solutions on Vertex AI, Advanced NLP with spaCy, Spoken Language Processing in Python, Deep Learning with PyTorch, Intermediate SQL Queries