Štěpán Vondráček

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ABOUT ME

During my bachelor studies, my attention was grasped by data analytics which I find totally fascinating and want to pursue career in this area. After approx. 2 years of dealing with data analysis tasks at school, I would like to apply my hitherto gained skills and knowledge and deepen them through working with real-world tasks.

SKILLS

Languages:
- English C1 level, German C1 level, French A1 level, Latin

Computational skills:
- Excel: VBA, standard intermediate tools (contingency tables, functions etc.)
- MATLAB: matrix operations, functions, graphics
- SQL basic level – queries, database & table maintenance
- Python: operating with scientific libraries - (Pandas, NumPy, ScikitLearn, TensorFlow)
- R: working with tidyverse tools, graphics using ggplot2 etc. (my main programming language and analytical tool)
- Bash line operating, familiar with LINUX
- Git
- Reproducibility tools – shiny webapps for R, Markdown, Plotly for visualization
- Jupyter notebooks, Google Colab

Data-Related Skillls:
- Linear regression – inter alia panel data, hierarchical models, instrumental variables, logistic regression
- Time Series Analysis – ARIMA models, seasonal decomposition, dealing with trend, intervention analysis, basics of VAR modelling
- Understanding the Bayesian approach
- Basic Machine learning Techniques – decision trees, classification, recommendation algorithms (dealing with missing values), kernel methods
- Neural Networks: using the TensorFlow toolkit for image recognition and Natural Language Processing

RELEVANT EXPERIENCE

Sales Team Member, AIESEC
2019-2020
Support Biostaistician
Institute of Biophysics, Czech Academy of Sciences
2020-2021

EDUCATION

Bc. Economics
Masaryk University, Brno, CZE
Thesis: Full text of the thesis
2018-2021

Erasmus Stay
Eberhard Karls Universität Tübingen
10/2019-03/2020

Ing. Quantitative Economics (MSc. Equiv.)
Masaryk University, Brno CZE
2021-Pending