ŠÁRKA GRUBNER

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⚥ **October 1st 1988, Czech**   ⌂ **https://github.com/brodsa**

EXPERIENCE

Data Scientist
Applied Statistics & TÜV AUSTRIA Data Intelligence

📅 Mai 2020 – Ongoing   📍 Vienna, Austria

- Testing developed Artificial Intelligence models for reliability
- Tutoring intensive Python courses
- Developing ML models to support chemical production
- API data extraction & web scrapping, processing of structured & unstructured data

Data Scientist
solvistas

📅 Feb 2018 – Ongoing   📍 Vienna, Austria

- Data Warehousing & BI Reporting to extract the key information from databases in order to support decision making process of the clients from the public sector of Austria (Pensionsversicherungsanstalt, Bundesministerium für Inneres)
- Engineered and documented clients requirements, including the communication with interdisciplinary stakeholders

Researcher Assistant
Project "FAMOUS" and "K-Project DEXHELPP", TU Wien

📅 Jun 2014 – Dec 2017   📍 Vienna, Austria

- Developed new outlier detection and clustering algorithms in R to detect unusual and similar sequences in very large audio collections
- Applied predictive models in R to analyze health care data

EDUCATION

Doctoral Program at Technical Mathematics
TU Wien

📅 Sep 2014 – Nov 2017   📍 Vienna, Austria

- Research Area: Robust Statistical Grouping Method for High-Dimensional Data
- Focus: Robust Statistic, Outlier Detection, Cluster Analysis, Discriminant Analysis

Master & Bachelor Program at Applied Mathematics in Economics
UPOL

📅 Sep 2012 – May 2014   📍 Olomouc, Czech Republic

- Master Thesis: The PARAFAC Approach and its Applications
- Bachelor Thesis: The Dicriminant Analysis and its Applications
- Focus: Multivariate Statistic, Finance & Actuarial Mathematics, Decision Models, Management

LIFE PHILOSOPHY

...an outlier is a data point that highly differs from the data majority. Such a point is very interesting as it holds very special and unique information... So let's not be afraid to be the outlier!

IT KNOWLEDGE

Web
HTML & CSS, Sass, Eleventy, Bootstrap

Data Warehousing & BI Reporting
SQL (Netezza, PostgreSQL, Oracle), Data Vault & Star Schema Concept, Pentaho Data Integration, Enterprise Architect, IBM Cognos Analytics, SAS Visual Analytics

Python
OOP, pandas, seaborn, matplotlib, sqlalchemy, psycopg2

Other
Git, R, $\LaTeX$, JIRA, Confluence, Microsoft Office

STRENGTH

Team Player   Structured
Self-Motivation & Discipline
Detail-Oriented   Mentor   Flexible

LANGUAGES

German   English   Czech