Peyman Kor

Data Scientist | M.Sc in Mathematical Modeling and Computation 🔗

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Data Scientist with Analytical Mind Passionate and Experienced in Application of Sophisticated Descriptive and Predictive Analytic in order to Create Insights to Drive the Data-Driven Decision in Engineering/Technological Process.

Education

2019–2020 **Master of Science**, *Mathematical Modeling and Computer Science*, Technical University of Denmark, DENMARK.

Project:Weight Uncertainty in Neural Networks - Bayes by Backprop in Pytorch Framework.

2017–2019 **Master of Science**, *Engineering (Geostatistics, Optimization)*, University of Stavanger, NORWAY.

Final Project:, Decision-Driven Data Analytics for Well Placement Optimization in Field Development Scenario - Powered by Machine Learning.

Work Experience

Jan-present 2020 **Data Scientist**, *Decarbonify*, Copenhagen, Denmark.
- **Lead** and managed the development, documentation and implementation of the BI dashboard for a business costumer.
- **Established** and implemented the database system leading to efficient data extraction and analysis. ↗.

Jun-Aug 2019 **Data Scientist Intern**, *AKER BP*, Stavanger, Joint Project UiS/AKER BP.
- **Developed** a cloud-based web dashboard for VOI Calculation in Management Decision Making, ↗.
- **Developed** a cloud-based web dashboard for Probabilistic Reserve Evaluation, ↗.

Key Data Science Projects

Predictive Maintenance **C**ompute the Probability Machine Failure in the Next 24hr due to a Certain Component Failure (Python + Keras+ Tensorflow)

Database **D**ata Extraction, Processing and Visualization of GB Scale Transactional Data and Import to PostgresSQL for Efficient Data Query (Python + PostgresSQl +SQLite)

Modeling **S**easonal ARIMA Time Series Forecast of Global CO2 Emission (Probalistic Forecast + R)

Sentiment Analysis of GB Scale Costumer Review Text Data (Python + Pyspark + Docker)

Data Science & ML Skills

Portfolio of my data Science Projects are available here: Github Link

Programming **R** (Tidyverse, Rdatatable, Shinyapp, Rmarkdown), **Python**(Pandas, Numpy, Scikit-learn, Tensorflow,Plotly), **SQL** (SQLite, MariaDB), **Big Data** (Spark, Pyspark, Rdatatable)

ML **Pytorch** (CNN, GAN, RL, CUDA), **R**(XGBoost, CARET), **AutoML** (H2O)

Others **Version Control** (Git, Github), **DevOps** (Docker, Kubernetes), **Cloud** (AWS, GCP)

Honors and Awards

Sep 2019 **Innovation Hackathon Prize**, *Technical University of Denmark*, Copenhagen.
- **Awarded** First prize of DKK 100,000 for proposing a digital dialogue tool for new parents

Jun 2019 **Most Integrated International Student**, *University of Stavanger*, Stavanger.
- **Awarded** "Most Integrated International" Student at Institute of Energy Resources, Class 2019.

Languages

English (Fluent), Norsk (Intermediate), Danish (Elementary), Turkmen (Native), Persian(Fluent)