

Peyman Kor

Data Scientist | M.Sc in Mathematical Modeling
and Computation | Graduate Engineer 

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*Data Scientist with Innate Sense of Curiosity and Love of Learning Passionate and Experienced
in Application of Sophisticated Descriptive and Predictive Analytic to Translate Business
Requirements to a Data-Driven Solution.*

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 **Data Scientist**, *Decarbonify*, Copenhagen, Denmark.

- 2020 **Lead** and managed the development, documentation and implementation of the BI dashboard for a business customer.
- Established** and implemented the database system leading to efficient data extraction and analysis. 

Jun-Aug **Data Scientist Intern**, *AKER BP*, Stavanger, Joint Project UiS/AKER BP.

- 2019 **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 **Compute the Probability Machine Failure in the Next 24hr due to a Certain Component Failure** (Python + Keras+ Tensorflow)

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

Modeling **Seasonal ARIMA Time Series Forecast of Global CO2 Emission (Probabilistic Forecast + R)**
Sentiment Analysis of GB Scale Customer 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)