



## Peter Saltin

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A Senior Data Scientist with great experience of building and leading use cases in Machine Learning. My experience spans from Analytics and the Research stage to Operationalizing successful Machine Learning Models in a DevOps setting.

## Highlights

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### Machine Learning Services as Data Products on GCP

Tele2 Sverige AB | 2018-09 - 2019-06

Delivery of a set of Machine Learning Services that served insights on value change propensity and churn risk based on behaviour patterns for subscriptions and customers. It was built in DevOps using modern software engineering practices. It was the first time that Tele2 managed to operationalize churn propensity .



### Big Data Strategy and Machine Learning PoC

Tele2 Sverige AB | 2018-01 - 2018-08

Setting the Big Data Strategy for utilizing machine learning in Tele2 and what areas to prioritize in the shared operations BI & Analytics budget. Taking responsibility for building and delivering a PoC Data Pipeline from the On-Premise Data Lake to deliver Machine Learning Insights to external systems.

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## Techniques

- Apache Spark
- Apache Airflow
- Python
- Scala
- SQL
- R

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## Platforms

- Google Cloud Platform
- Amazon AWS
- On-Premise Hadoop

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## Methods

- Machine Learning
- Data Pipelines
- Advanced Analytics
- GDPR

# Work Experience

1

## Senior Data Scientist and Product Owner, Jan 2018 - Oct 2019

Tele2 Sverige AB

Key responsibilities included:

Develop and utilize statistical models to generate new insights based on both internal and external data. For example, developing predictive models for churn propensity, value potential and recommendations. Take part in building and operationalizing machine learning models for real-time or near real-time use. For example, models for predicting future best offers for specific customers. Continually explore new opportunities by analyzing internal and external data sources, and take part in formulating use cases to operationalize. Support the local markets by transferring the use cases into the local contexts where they will be operationalized and maintained. Collaborate and drive key initiatives with the markets to help improve local analytical capabilities within the different markets, e.g. leading a next best offer implementation initiative for a local market.

Machine Learning | Data Science | Scala | CI/CD | DevOps | Git | Product Owner  
Apache Spark | Infrastructure as Code | Google Cloud Platform | Hive | Apache Zeppelin  
Jupyter Lab | Business Case Development | Data Pipelines | On Premise Hadoop | Python | R  
Machine Learning Research | Agile SW Development | Docker | Architecture | Statistics

2

## Data Scientist and Analytics Lead, Aug 2015 - Dec 2017

Ferrologic Analytics AB

Consultant within the Data Science domain to help customers with advanced analytics and machine learning modelling to support decision making and optimize their business in areas such as CRM, Sales and Risk management. My specialization was towards CRM and Big Data. In the company I was also responsible for analytics as Analytics Lead where I made sure that the team of data scientists met to discuss different methods and led a small internal ROI project for setting up a Apache Spark environment.

Machine Learning | Data Science | Scala | Git | Apache Spark | Hive | Apache Zeppelin  
Jupyter Lab | Data Pipelines | On Premise Hadoop | Python  
R Programming | Machine Learning Research | Statistics | CRM | Big Data  
Advanced Analytics | Amazon Elastic MapReduce

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## Developer, Statistician and Project Lead, Jun 2012 - Jul 2015

Sweco Strategy AB

Worked with a broad range of projects and assignments connected to Data Science to perform analysis and modelling to support data-driven decision making. Assignments covered areas such as forecasting demand of employees for big municipalities like Stockholm, forecasting Swedens total need for employees in areas such as schools and healthcare for SKL. Calculating and improving the resource allocation of economic aid adjusted for the socioeconomic situations in different parts of Stockholm. Building survival analysis models of time spent in elder care, building the Networked Society Index for Ericsson as well as built and ran a statistics webpage for citizens. Typical roles in the projects was as Developer, Statistician and Project Leader.

Project Leader | Developer | Statistician

# Education

1

## Master of Science in Statistics, Sep 2011 - Jun 2012

Advanced level of Statistics on Uppsala University with Thesis written for a major Swedish Credit Institute studying the relationship between default and interest rates.



2

## Bachelor of Science in Business and Economics, Jan 2009 - Jun 2012

Major in Statistics on Uppsala University with Thesis written that studied bias in regression models.



# Skill levels

1

## Expert

Data Science | Machine Learning | Statistics

2

## Advanced

Apache Spark | Machine Learning Research | On-Premise Hadoop | Scala | Scrum Team Lead

3

## High Competence

Agile SW Development | Apache Airflow | Architecture | Data Pipelines | DevOps | Git | Google Cloud Plattform | Hive | Linux | ML Model Monitoring | Product Owner Python | R | Software Development | Windows

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## Intermediate

Docker | Infrastructure as Code | Project Management | Terraform

# Languages

## English

Bilingual proficiency

## Swedish

Native