DEN NORSKE AKTUARFORENING

FAGKOMITÉ SKADE INVITERER TIL SEMINAR

«SMART ANALYTICS / BIG DATA»

TORSDAG 4. MAI 2017 KL 09:00 – 16:15

STED: FELIX KONFERANSESENTER, BRYGGETORGET 3, OSLO

Program:

09:00 – 09:15 **Welcome and introduction**
v/ Astrid Seltmann, leder fagkomité skade

Big data in Norway – by Norsk Regnesentral

09:15 – 10:15 **Big Data / Big Insight / Machine learning**
An introduction to big data
Overview of projects and research in Norway
An overview of machine learning methods, including deep learning
A short introduction to network analysis
v/ Anders Løland, Norsk Regnesentral

10:15 – 10:30 Pause

10:30 – 11:30 **Big data analysis – Methods and Examples**
The effect of climate change on insurance claims
Predicting default of a customer from transaction data
Optimal pricing of AirBNB units
Preventive maintenance on big ships
v/ Kjersti Aas, Norsk Regnesentral

11:30 – 13:00 Lunch

Digital trends and topics and their impact on the re/insurance industry – by Swiss Re

13:00 – 14:00 **Big Data and Smart Analytics – A Re/insurance Perspective**
Short overview of Swiss Re & Data Analytics at Swiss Re
Natural Language Processing/Text Mining and Information Retrieval, Machine Learning
Applications of Data Analytics in Re/insurance
v/ Ermir Qeli & Uwe Nagel, Swiss Re Digital & Smart Analytics Service

14:00 - 14:30 Pause

14:30 – 15:30 **Presentation on selected cases - analytics services and products**
with examples for applications on commercial lines business (examples from Motor, Special Lines – Marine and Aviation e.g. Dynamic pricing of parametric insurance products, Big Data methods to assess motor risk at a global level)
v/ Ermir Qeli & Uwe Nagel, Swiss Re Digital & Smart Analytics Service

15:30 - 16:00 **Questions & Answers/ Panel Discussion / Summing up**
v/ Anders Løland, Kjersti Aas, Ermir Qeli, Uwe Nagel, Astrid Seltmann

Priser
Seminaret, inkludert lunsj, koster kr 2.500,- for DNA medlemmer, kr 500,- for aktuarstudenter, universitetsansatte og DNA pensjonister og kr 3.500,- for øvrige.

Påmelding
Bindende påmelding innen 06. april på www.aktfor.no , eller til sekretariatet til e-postadresse admin@aktfor.no

Ved påmelding, oppgi: navn, selskap, adresse, telefonnummer, e-postadresse og om du er medlem av DNA. Prinsippet "førstemann til mølla" blir benyttet.

Om foredragsholderne:

Anders Løland
Dr. Anders Løland is Assistant Research Director at the Statistical Analysis, Machine Learning and Image Analysis department of the Norwegian Computing Center (NR) and he is the head of the market area Technology, Industry and Administration, which covers a wide range of applications. He has broad experience from diverse fields, such as fish abundance estimation, modelling of electricity prices, satellite based positioning for effective road tolling, election forecasting and detection of insurance fraud, tax evasion, social security fraud and money laundering.

Kjersti Aas
Dr. Kjersti Aas is Assistant Research Director at the Statistical Analysis, Machine Learning and Image Analysis department of the Norwegian Computing Center (NR) and she is the head of the group working with financial applications. She has a large experience in conducting applied contract research for banks and insurance companies. Kjersti is also doing more basic research, and her papers have been published in e.g. Journal of Financial Econometrics, Journal of Risk, Insurance: Mathematics and Economics, Scandinavian Actuarial Journal and European Journal of Finance.

Ermir Qeli
Dr. Ermir Qeli joined Swiss Re 3 years ago and is currently leading the team of data scientists at Swiss Re in EMEA. In his role, he is championing the use of data analytics to solve various business problems in insurance and reinsurance. Prior to Swiss Re, he had various roles focused around data analytics, visualization and software engineering. Dr. Qeli obtained a diploma in Computer Science in Tirana, Albania and a PhD in Computer Science at the University of Marburg, Germany.

Uwe Nagel
Dr. Uwe Nagel is currently working as a Senior Data Scientist at Swiss Re. His focus areas are around Machine Learning and its usage along the (re)-insurance value chain. The projects he is currently involved in range from dynamic pricing of risks to triaging of specific business processes. Dr. Nagel obtained a diploma in Computer Science from the University of Rostock and a PhD in Computer Science at the University of Konstanz, Germany.