



Seminar: **BIG DATA**

Professor Christian Heumann (Munich)

September 28- 29, 2017
Riga, Latvia

A topic on everybody's lips is Big Data. Insurers do collect a lot of data, but do they use it?

Professor Christian Heumann (Munich) will give a two-day lecture series on the definition and the utilization of big data, not exclusively linked to insurance. Of special interest to insurers will be to learn about the organization of data so that it can be efficiently analysed.

- *Big data: definition; examples; problems; to make useful use of big data, one has first to learn from small data.*
- *Introduction to important principles which are necessary for all machine learning algorithms (randomization, regularization, re-sampling, cross-validation, etc.).*
- *Popular learning algorithms for regression and classification: random forest, neural network, boosting, LASSO, etc.*
- *Special topics: text mining, sentiment analysis, deep learning*
- *Practical work: software for analysing big data. Participants should apply the methods to (big) data sets which are publicly available.*

The target audience is actuaries and professionals who want to understand better the current developments in data analysis.

Speaker: Christian Heumann (1962) was born in Dachau, Germany. He studied Statistics, Economics and Political Science at the Ludwig-Maximilians-Universität (Munich) from 1986 to 1992. He achieved his doctorate in 1997 and his habilitation in 2004. Since 2004 he has worked at the Ludwig-Maximilians-Universität, where he is now a full professor.

Agenda:

September 28, 2017

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| 09.00 – 09.10 | Welcome to Seminar |
| 09.10 – 10.30 | Module 1 |
| 10.30 – 10.45 | <i>Coffee break</i> |
| 10.45 – 12.00 | Module 2 |
| 12.00 – 13.00 | <i>Lunch</i> |
| 13.00 – 15.30 | Module 3 |
| 15.30 – 15.45 | <i>Coffee break</i> |
| 15.45 – 17.00 | Module 3 |
| 17.30 -... | <i>Joint dinner</i> |

September 29, 2017

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|---------------|---------------------|
| 09.00 – 10.45 | Module 4 |
| 10.45 – 11.00 | <i>Coffee break</i> |
| 11.00 – 13.00 | Module 5 |
| 13.00 – 14.00 | <i>Lunch</i> |

CPD:

For this seminar, **8 CPD points** are available under the CPD scheme of Latvian Actuarial association; CPD points may differ for other actuarial societies.

Language:

The language of the seminar will be English.

Registration:

Registration to Seminar is opened and will be available till September 22, 2017; please use the link: www.visidati.lv/aptauja/1298661304/

Registration is mandatory for all participants, including Members, associate members and candidates of Latvian Actuarial association.

Participation fee:

The participation fee covers lectures, coffee breaks, lunches and a joint dinner

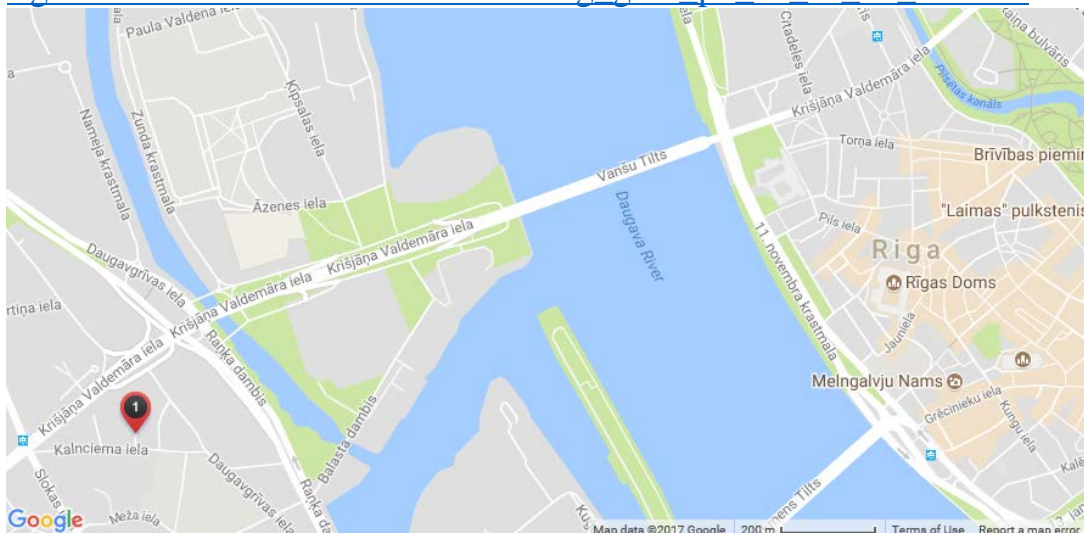
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| Members, associate members and candidates of <i>Latvian Actuarial association</i> | Free of charge |
| Other than Latvian Actuarial association | 100 EUR <ul style="list-style-type: none">— 10% discount applies for 2 registrations from the same company (not including participants from Latvian actuarial association);— 15% discount applies for more than 2 registrations from the same company (not including participants from Latvian actuarial association) |

Seminar venue:

Park Inn by Radisson Riga Valdemara

Address: Krogus iela 1, Riga, Latvia

https://www.parkinn.com/hotel-valdemara-riga?facilitatorId=CSOSEO&csref=org_gmb_pd_en_sn_ho_RIXPV



Hotel *Park Inn by Radisson Riga Valdemara* offers accommodation at a promotional rate (standard room: 70 EUR and superior room: 85 EUR) that you can access by quoting Promo code: AKTUAR

<http://www.parkinn.com/booking-entrance?language=en&siteCode=RIXPV&arrival=27/09/2017&departure=29/09/2017&paccode=AKTUAR>

Promotional rate will be available till September 15, 2017.

For more information please contact:

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See you at Big Data Seminar in Riga, Latvia!