



**Peter Szabo**

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### Background

- ▶ Peter is a senior consultant in Ernst & Young's ITA practice. He has a three years information systems advisory and audit experience.
- ▶ Peter holds an MSc. graduate in the field of Analytical Business Intelligence from the Budapest University of Technology and Economics (2015) and BSc in Computer Engineering (2012).
- ▶ Formerly he worked at Dmlab as a data scientist and at Inventis Informatics as a Navision consultant.

### Skills

- ▶ Data mining and advanced analytics both in structured and unstructured data
- ▶ Big data, distributed data mining and deep learning
- ▶ Financial data analysis
- ▶ Data warehousing and OLAP systems
- ▶ Extensive knowledge of SAS, R and Python programming languages, statistical and machine learning packages

### Professional experience

- ▶ Peter lead the first Hungarian process mining project in the life sciences sector for improving quality control procedures of our major pharmaceutical client. Moreover he participated in the development and rollout of EY's global process mining tool: EY Helix Process Mining.
- ▶ Furthermore worked on several data analysis engagements at leading Hungarian and international banks and insurance companies over the past two years: recalculating the fair value of forex backed loans, the effect of the application of swap and unilateral interest rate increases.
- ▶ Peter has a deep experience in data cleaning, evaluate and discover the hidden business value and to support the data driven decision making.
- ▶ Peter participated in multiple data warehouse development projects with Microsoft technology stack. He was responsible for various parts in these projects from ETL design to reporting dashboard development.
- ▶ Furthermore Peter worked on the development a network analysis tools where he was responsible for developing an algorithm which can model the spread of various phenomenon over networks. E.g. the spread of default over the network of bank accounts.
- ▶ Peter was created anomaly detection tools for various business functions
  - ▶ Customer service
  - ▶ Logistics
  - ▶ Claim handling and investigation
- ▶ Peter participated in many data science competitions in his free time such as Data Mining Cup and Kaggle competitions
- ▶ Peter reviewed the IT controls on leading Hungarian banks and pharmaceutical companies.
- ▶ Peter worked together with other EY offices on various projects around the world from the UK to Mexico.