

"BIG DATA IN FINANCE"

Alternative data has become a "must-have" for Quants and Fundamental investors to stand out in an incredibly competitive market. Today, most data available to investors comes as hard-to-consume unstructured content requiring advanced techniques, such as NLP, to turn textual content into a strategic asset. Peter will present on the key attributes of a textual analytics dataset and discuss related financial use-cases. He will also cover important considerations investors have to make before bringing new datasets into the organization.

RAVENPACK is the leading big data analytics provider for financial services. RavenPack is the leading big data analytics provider for financial services. Financial professionals rely on RavenPack for its speed and accuracy in analysing large amounts of unstructured content. The company's products allow clients to enhance returns, reduce risk and increase efficiency by systematically incorporating the effects of public information in their models or workflows. RavenPack's clients include the most successful hedge funds, banks, and asset managers in the world. Financial professionals rely on RavenPack for its speed and accuracy in analysing large amounts of unstructured content. The company's products allow clients to enhance returns, reduce risk and increase efficiency by systematically incorporating the effects of public information in their models or workflows. RavenPack's clients include the most successful hedge funds, banks, and asset managers in the world.

Peter Hafez, Chief Data Scientist.

Since joining RavenPack in 2008, Peter Hafez has been a pioneer in the field of applied news analytics bringing alternative data insights to the world's top banks and hedge funds. Peter has more than 15 years of experience in quantitative finance with companies such as Standard & Poor's, Credit Suisse First Boston, and Saxo Bank. He holds a Master's degree in Quantitative Finance from Sir John Cass Business School along with an undergraduate degree in Economics from Copenhagen University. Peter is a recognized speaker at quant finance conferences on alternative data and AI, and has given lectures at some of the world's top academic institutions including London Business School, Courant Institute of Mathematics at NYU, and Imperial College London.

"DATA-DRIVEN APPROACH FOR INDUSTRY 4.0"

In the presentation the key elements of the development of a digital factory will be explained, emphasizing the peculiarities of a successful implementation of a data analysis project in a manufacturing environment. Additional to the technical aspects of data collection, analysis and modelling, dealing with legacy systems (the Building the internal capabilities and opening communication channels to data scientists.

TDK ELECTRONICS (previously EPCOS) develops, manufactures and markets electronic components and systems under the product brands of TDK and EPCOS, focusing on fast-growing leading-edge technology markets, which include automotive electronics, industrial electronics and consumer electronics as well as information and communications technology. Thanks to the 24,000 employees at some 20 design and production locations and an extensive sales network, the company is globally positioned - beyond the provision of standard products - to work closely with customers and create the right solutions for them. In fiscal 2018 (ending in March) TDK Electronics posted sales of about EUR 1.6 billion. TDK Electronics Málaga factory designs capacitors. Capacitors are used in all fields of electro-technology and electronics. They store electric charges and they filter currents and voltages. Power capacitors ensure a stable supply of power in electric trains, for example. In addition, power capacitors are the key components for the transmission of high-voltage direct current, which enables energy to be transmitted over long distances with minimal loss.

Fernando Ferrer, Machine Learning Specialist.

Fernando Ferrer is responsible for Machine Learning in the Process Technologies team, developing use cases for data analysis in key process for TDK Capacitor business. He has a background as mechanical engineer, a masters in simulation by the UOC and several courses on Python programming and machine learning techniques.

"BIG DATA. APPLIED INTELLIGENCE"

ACCENTURE is a leading global professional services company, providing a broad range of services and solutions in strategy, consulting, digital, technology and operations. Combining unmatched experience and specialized skills across more than 40 industries and all business functions — underpinned by the world's largest delivery network — Accenture works at the intersection of business and technology to help clients improve their performance and create sustainable value for their stakeholders. With 469,000 people serving clients in more than 120 countries, Accenture drives innovation to improve the way the world works and lives. Visit us at www.accenture.com.

Montse Vicente, Business Intelligence.

Montse Vicente. Bachelor of Mathematical Sciences at the Universidad Complutense de Madrid. Since the beginning of her professional career, she has been involved in the processing and analysis of data in Business Intelligence projects. Currently responsible for one of Accenture's applied intelligence teams. When she is not working she likes to walk and enjoy with her family.

Antonio Teruel, Data Integration.

Antonio Teruel. Endless traveller, both for work and pleasure. Bachelor's in computer science by the University of Malaga, he has spent most of his professional career leading international projects, living and enjoying places like Stockholm, London, Buenos Aires, Paris, Manila, etc. Among his current responsibilities, he is leading the area of Applied Intelligence in the Accenture Technology Centres in Spain responsible of the different technologies included in BigData, Intelligent Visual Analytics and Data Integration world. Lover of the sport in general and of the speed, F1 as well as MotoGP, in particular.

"DATA ANALYTICS FOR EVERYBODY"

Data is the new oil. Regardless if you are a start-up or a big company, it is important to understand and analyse the data you have in order to become the enterprise of the future: a data driven company.

Oracle provides different tools for all size companies, which are very easy to use. In this session you will see how to make the first move into the analytics world and bring value to your company since the first moment.

ORACLE provides essential elements for companies to pioneer innovations and drive new business models.

For example, applications based on artificial intelligence (AI) can suggest the next best actions, automate answers, and provide personalized service.

Oracle embeds machine learning into several management and security offerings to help monitor, troubleshoot, and predict potential outages and security breaches. Oracle helps customers develop roadmaps, migrate to the cloud, and take advantage of emerging technologies from any point: new cloud deployments, on-premises environments, and hybrid implementations. Oracle's approach makes it easy for companies to get started in the cloud and even easier to expand as business grows.

Juan Diego Ruiz, Customer Advisor for Oracle Cloud.

Juan Diego Ruiz Perea. Computer Science Engineer, specialized in Business Analytics, Big Data, Machine Learning and Artificial Intelligence. Master degree from Universidad de Malaga. 11+ years of experience with Oracle's technologies working in customer projects worldwide (France, UK, Netherlands, Chile). E.g. CaixaBank Big Data project.

Javier de la Torre, Data Management Solution Engineer.

Javier de la Torre Medina. Javier has 7 years of presales experience at Oracle, working as Data Management Solution Engineer. During this time, Javier has been helping customers and partners identify new ways to maximize their business value, by constantly delivering Proof of Concepts, demos and presentations around Oracle technologies. Javier has delivered a presentation at Oracle OpenWorld 2015 in Sao Paulo about Oracle NoSQL, he delivered a session at Oracle University Expert Summit about Big Data Architectures and he has written some articles and whitepapers.

"BIG DATA INTEGRATION IN CATERPILLAR"

In this session we will present the biggest challenges in Caterpillar integrating the data from the dealer network (external companies commercializing Caterpillar products and services). Different information systems, business practices, technology maturity... A long journey until all this data was integrated and normalized until an ecosystem was created where a number of applications, using the same data offer a very granular information about critical aspects of the business, such as pricing, fleet management, sales opportunity calculation.

While the Caterpillar Tractor Company was originally formed in 1925, the CATERPILLAR name originated years earlier. In the early 1900s, seeking for a way to improve the mobility and traction of his company's steam tractors, Benjamin Holt replaced the wheels with wooden tracks bolted to chains. The innovation worked so well that one bystander was said to have remarked that the machine crawled along much like a caterpillar. Holt agreed, and dubbed his new machine "Caterpillar," a name he eventually trademarked in 1910. Today, Caterpillar continues as the leading manufacturer of heavy industrial equipment in the world. Always seeking ways to increase its footprint and provide even more services to its customer base, the company has also entered into new arenas, such as the sale of financial products and insurance.

Francisco Cantero, Analytics Team Leader.

Francisco Cantero is originally from Málaga and combines an education background in different areas such as Psychology, Human Resources and Technology. He started his professional career back in 2000 and since then, working for different companies gave him the opportunity to gain experience in multiple industries and technological environments. He has been working for Caterpillar for the last 7 years. Today is part of the Parts Pricing Analytics Team based in Spain and supporting to the data integration and analysis. Passionate about training, together with his work in Caterpillar with teaching as Associate Professor at MIUC in the subjects related with Big Data and Analytics.

"IMPLEMENTATION OF BIG DATA & ANALYTICS PROJECTS: LESSONS LEARNED AND FUTURE VISION"

INDIZEN Technologies was a pioneer in the implementation of Big Data & Analytics projects for more than 6 years and currently has dozens of references of projects in production with this ecosystem of technologies and techniques. The objective of this talk is to share some lessons learned during these years to help know what benefits this type of project offers, but above all, what challenges and difficulties need to be faced, and what is the strategy that can be adopted in the future.

Consulting and Software Engineering company, with clear innovative vocation and distinguished from others for its compromise with quality, for his specialization in creative solutions and for the specialization in last technologies like Big Data. Also specialized in pattern modelling, correlations, behaviours, relations and, in general, to extract useful knowledge from Big Data: analysis, design, implementation and development of Big Data systems oriented to the capture, recovery, organization, analysis and visualization of structured and unstructured information, coming from all types of available sources, and all using innovators Big Data technologies and architectures.

Jorge L. Roa, Big Data & AI Solutions Architect.

Jorge L. Roa, Big Data & AI Solutions Architect | Cloud Infrastructure Engineer & DevOps. Architecting and implementing Big Data solutions on Microsoft Azure Cloud (implementing the concept of "Big Data as a Service"). Automating cloud processes into Big Data Platforms.