

Dr ≡ Dt

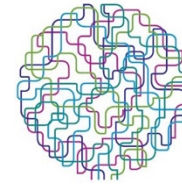
Raafat Zarka

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This presentation is for

Workshop 1 Big Data

Description of the Organization



ICTURKEY
ISTANBUL 2016

- Dr-Dt: Stands for doctor-data
 - Started by Dr. Raafat Zarka and Dr. Mohamad Rabbath in Lausanne the city where Scala was found 😊
 - Basically we do consulting, training and software development in the area of Big Data and Business Intelligence

Description of the your research interest



OUR SERVICES

We offer many various services at Dr-Dt. We will list few of them

Training

We offer variety of courses in the field of data science including Business Intelligence and Big Data analysis. You can check the available courses and the appointments of the courses on our site. Our trainers are very flexible in the arrangement of new courses and appointments to match the requirements and need of your team. Do not hesitate to call us if you have any question.

Big data consulting

Your data is growing fast and you are moving in the area of Hadoop/Spark. We offer you the best consulting to start moving to the world of HDFS and Hadoop. We help you to apply Spark and/or mapreduce jobs to store the most valuable data forever with the lowest cost and highest efficiency.

ETL consulting

You are building your Data Warehouse, and you have several relational and non-relational databases? No problem, we help you making your decision with the most suitable ETL tool that best matches your requirement on the long run with cost saving.

Business Intelligence consulting

We help you in making the right decision with the right tool to make the best return on investment based on your data. We have the best expertises in the subject of BI from data analysis, to complex data mining and machine learning.

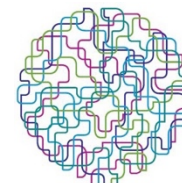
Framework consulting

Your team or startup is moving from rapid development to scale-up code? We offer the best consulting to make the right decision. Our experts can help you to understand the up-to-date backend technologies and frameworks including those related to functional programming such as Java8 and Scala. We also help you on managing your software branches and releases in a more efficient and cleaner way.

Software products

We have software products developed purely by our team. OPOP for example is a billing system used by SwissMedlogic to create the bills and archives of the medical operations. We offer full customization and support for our software products in different languages.

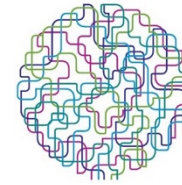
Description of our research interest



- We are interested in the following areas of research
 - Big data and machine learning
 - Information retrieval and multimedia retrieval
 - Business Intelligence and Analytics
- List of our publications in conferences and journals can be found under
 - <https://scholar.google.com/citations?user=bSilWioAAAAJ&hl=en>
 - <https://scholar.google.com/citations?user=c9dKdyoAAAAJ&hl=en>

TOPIC ICT-14-2016-2017 (IA) Big Data PPP

Big Data Integration for Healthcare

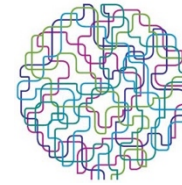


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- Objectives:
 - Develop new, scalable big data infrastructure that can enable healthcare providers access knowledge for the individual patient, yielding better decisions and outcomes.
 - Implement ETL processes to integrate disparate data sets from heterogeneous sources such as diagnostic images, genetic test results, biometric information and social media.
 - Design dashboards to monitor trials in real-time to rapidly identify safety or operational signals requiring action

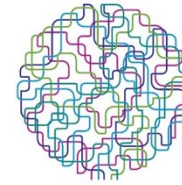
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Big Data Integration for Healthcare



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- Expected results
 - Smart Data to be used in analytical methods to enable healthcare providers take better decisions and deliver optimized care.
 - Patient and doctor portals to get access to smart health data, dashboards and analytics.
 - Improve the efficiency and cost of research and clinical trials by comparing patients history.



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