Nikos Kousiadis

Data Scientist

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Military service obligations fulfilled

About me

Data science professional with demonstrated abilities in manipulating and analyzing data to solve problems, building creative visualizations to gain insights and developing machine learning models to predict business outcomes. Solid skills in mathematics and programming and experience with a variety of relational databases and big data systems. Keen interest in R programming for data science and development of data products with R Shiny to automate analytics processes and present findings.

Work Experience

Data Scientist - **Principle Analyst**, Media Centre of Excellence, IRI ACE, Athens

02/2019 - Present

- Product development and big data analysis on Hadoop Hive
- Combine and analyze multiple data sources of media campaign exposure, point-of-sale, frequent shopper and causal data to get deeper insights of actual in-store sales lift impact of ad spend
- Monitor, evaluate and optimize code quality and speed
- Responsible for the maintenance, development and team support of various products

Tools

Hadoop Hive

R

Unix

Julia

Jira

Data Analyst, Analytics Department, Intelen Inc, Athens

05/2017 - 02/2019

- Design, develop and maintain analytics app (R Shiny) for the following purposes: data visualisation, statistical results, simulation, KPI monitoring, customer scoring and segmentation, predictive modelling, etc.
- Use supervised and unsupervised machine learning methods to optimize customer experience, revenue generation and other business outcomes
- Enhance customer experience building recommender systems for personalized services
- Define, measure, monitor KPIs and design new data-driven business products

Tools

R

PostgreSQL

MySQL

R Shiny

R Markdown

git

MS Excel

Data Scientist, Credit Risk Department, ICAP Group, Athens

07/2016 - 05/2017

- Prepare the thesis "Storage of Default Characterization Data", as part of the M.Sc. in Business Analytics, Athens University of Economics and Business
- Support regulatory requirements on reporting and monitoring of ICAP's credit assessment evolution data to regulators
- Support reporting to European Rating Platform (ERP/RADAR), the platform maintained by ESMA on credit rating agencies data
- Design, develop and maintain statistical procedures and tools (automated and semi-automated procedures) for the monitoring of credit assessment evolution in SAS and R softwares, as well as, data management and automation activities

Tools

R

SAS Base

SQL

Jira

MS Excel

Education

M.Sc. in Business Analytics, Athens University of Economics and Business

Degree with Distinction, 8.86 / 10

10/2015 - 01/2017

Field Study Project (Master Thesis) conducted in ICAP Group:

Development of automated system in R for the following activities on default characterization data:

- Data cleansing, exploration and transformation
- Statistical reporting and visualization
- Creation of historical database and integration in optimised data schema

Part of master projects:

- Data warehousing, Data management, ETL
- Statistical analyses implementing various methods, e.g. regression, classification, clustering, LASSO, PCA, Naïve Bayes, etc.
- Application development using big data tools
- Data Mining, Large Scale Optimization, Visual Analytics, Recommender Systems, Business Analysis

Tools
MySQL,MemSQL
Hadoop, Spark
Redis,MongoDB
Neo4j
R, Python
Java, Scala
Pentaho
Rapid Miner
SAS Miner
Spotfire
IBM Watson

B.Sc. in Mathematics, University of Athens

10/2008 - 09/2013

- Main topics of interest: Probability Theory, Operations Research, Stochastics, Statistics

Tools
R, Java
MATLAB

Languages

- English: Perfect knowledge, Proficiency of Michigan, 2011
- French: Good knowledge, Paris - Sorbonne B2, 2014

Professional development

e-learning courses: Coursera, edX, Datacamp

02/2015 - Present

Enhanced my programming skills and broadened my knowledge gaining hands-on experience and better understanding in several subjects and tools of data science and analytics. Full list of certifications in https://www.nikoskousiadis.com

Additional info

06/2015: **GMAT**: Score 700