Nikos Kousiadis

Data Analyst

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Military service obligations fulfilled

About me

A data science enthusiast 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.

Experience

		Tools used
05/2017 - Present	**Data Analyst**, Analytics Department, Intelen Inc, Athens	R
	• 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.	PostgreSQL
		MySQL
	• Use supervised and unsupervised machine learning methods to optimize customer experience, revenue generation and other business outcomes	R Shiny
		R Markdown
	• Enhance customer experience building recommender systems for personalized services	git
		MS Excel
	• Develop and automate reporting processes	
	• Define, measure and monitor KPIs	
	• Design new data-driven business products	
07/2016 - 05/2017	**Data Scientist**, Credit Risk Department, ICAP Group, Athens	R
	• Prepare the thesis "Storage of Default Characterization Data", as part of the M.Sc. in Business Analytics, Athens University of Economics and Business	SAS Base
		SQL
	• Support regulatory requirements on reporting and monitoring of ICAP's credit assessment evolution data to regulators	Jira
		MS Excel
	• 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	
	• Model business process	
01/2015 - 10/2015	**Researcher**, Telephone Research Department, Metron Analysis S.A., Athens	
	• Participate in the conduction of various research projects in the section of the telephone survey department	

Education

<div style="float:right">Tools used</div>

10/2015 - 01/2017	**M.Sc. in Business Analytics**, Athens University of Economics and Business	MySQL,MemSQL
	Degree with Distinction, 8.86 / 10	Hadoop, Spark
	Field Study Project (Master Thesis) conducted in ICAP Group:	Redis,MongoDB
	Development of automated system in R for the following activities on default characterization data:	Neo4j
	• Data cleansing, exploration and transformation	R, Python
	• Statistical reporting and visualization	Java, Scala
	• Creation of historical database and integration in optimised data schema	Pentaho
	Part of master projects:	Rapid Miner
	• Data warehousing, Data management, ETL	SAS Miner
	• Statistical analyses implementing various methods, e.g. regression, classification, clustering, LASSO, PCA, Naïve Bayes, etc.	Spotfire
	• Application development using big data tools	IBM Watson
	• Data Mining, Large Scale Optimization, Visual Analytics, Recommender Systems, Business Analysis	
10/2008 - 09/2013	**B.Sc. in Mathematics**, University of Athens	R, Java
	• Main topics of interest: Probability Theory, Operations Research, Stochastics, Statistics	MATLAB

Languages

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

Professional development

02/2015 - Present	Completed various e-learning courses and specializations in Coursera, edX and Datacamp, so as to enhance my programming skills and gain hands-on experience and better understanding in several subjects and tools of data science and analytics.
	Full list of certifications in https://nkousiadis.github.io

Additional info

06/2015	**GMAT**: Score 700