Thanos Gatos

Data Scientist

☎ +40 756 955 757
✉ thanos.gatos@gmail.com
in thanosgatos
🐦 thanosgatos

Personal information

name	Athanasios Gatos
nationality	Greek
date of birth	18 October 1986
fields of expertise	statistics, data analysis, logistics, supply chain management, optimization, stochastic modeling, mathematical programming, operations management, project management, team management

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Experience

2017–present   **Data Scientist**, *Bosch*, Cluj-Napoca, Romania.

My current tasks include, but are not limited to:
- Developing a root cause recommender system
- Defining data models
- Data validation (Impala, Hive)
- Dashboard development for both process monitoring and reporting (Tableau)
- Collaborating with the data engineering team on developing data pipelines
- Defining requirements in cooperation with the customer
- Managing data science projects

2014–present   **Co-founder**, *Spitaki Homemade Breakfast*, Orestiada, Greece.

Family business that prepares and serves traditional and homemade breakfast delicacies along with coffee and tea beverages
- Business plan development
- Procurement & operations management
- Pricing
- Staff recruitment & training

2014–2015   **Data Analyst - Logistics (Internship)**, *Agrotech S.A. - John Deere Greece*, Thessaloniki, Greece.

Worked in close cooperation with the Spare Parts Dept. management. The master thesis titled "Spare parts inventory management system development for AGROTECH SA" is the result of this work.

Main objectives that the project fulfilled were:
- Identifying groups/clusters of SKUs, based on the generated revenue, as well as the individual importance of each SKU, according to the management
- Identifying seasonalities in the sales time series data for representative SKUs for each group
- Forecasting future demand
- Designing an inventory management policy that generates lower cost and/or higher service level than the (at the time) current, based on practical experience, policy

2008–2013   **International Project Manager**, *Board of European Students of Technology (BEST)*.

Member of the 2010-2011 management of the External Events Committee of BEST
- Management of the human resources of EEC (approx. 100 members)
- Task delegation
- Goal setting
- Knowledge management & training strategy development

Education

2015–2017   **PhD in Industrial Engineering and Operations Management**, *Koç University, Graduate School of Sciences and Engineering*, Istanbul, Turkey.

Worked on a project where we were using protein and cancer data from various databases (e.g. TCGA, PDB), and trying to identify significant missense mutations in proteins that have an effect on the protein structure and on the protein functionality. Dropped out after completing all the required coursework.

2004–2015   **Diploma of Mechanical Engineering**, *Aristotle University of Thessaloniki, Dept. of Mechanical Engineering, Division of Industrial Management*, Thessaloniki, Greece.

Five-year diploma of engineering, equivalent to the first (180 ECTS credits) and the second (90 ECTS credits) cycles of European higher education (master equivalent) Industrial Management Division
Thesis: Spare parts inventory management system development for AGROTECH SA (Grade: 9.5/10 "Excellent")

Languages

native	Greek
fluent	English
basic	German (B2 level 15 years ago, now self-studying again)
learning	Turkish

Technical skills

advanced	R, SQL, Tableau, Git, GitHub
intermediate	Bash, Hadoop, Impala, Hive
learning	Julia, Python

Interests

professional	data visualization, machine learning, big data technologies, data journalism
personal	writing, analog photography, running, tennis, basketball

References

Available upon request