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 My cheat sheet blog <http://bartek-blog.github.io>

- More than 5 years of industry experience in Data Science applying Statistics and Machine Learning to solve business problems. Working mostly within multidisciplinary teams consisted of Product Managers, Developers, Designers, Researchers, QA, etc.
- Experience in designing, building and putting Machine Learning models and data pipelines in production.
- Experience of teaching and explaining Data Science, Data Management, Machine Learning and Statistics concepts for both, technical and non-technical audiences. This includes talks at conferences as invited speaker, meetup talks, graduate and undergraduate university courses.
- Tech and Team Lead experience managing and mentoring other team members.
- Proficiency with tools like Python, Spark, R, SQL, pytorch, sklearn, Hive, Tableau.
- Experience with Docker, Kubernetes, Scala, JavaScript and Ruby.
- **PhD** in Mathematics and more than 8 years of experience as researcher.
- **Languages** Fluent: English, Spanish • Native: Polish • Basic: Russian



Alpha • Barcelona • Spain

March 2019–present

Senior Data Scientist, AI Enablement Team Lead • Alpha Health (founded by Telefonica in 2016) is an innovation facility created to build projects which improve people's mental health and wellbeing. I lead a team that prototypes and implements AI/ML/Data solutions. We have created recommender systems, Heart Rate/Breathing Rate algorithm, stress detector from app interactions, Privacy Preserving AI module and others. We also provide product insights and design and analyze Randomized Controlled Trials, AB Tests and we do causal inference. I do both, hands-on work and manage the team. Tools used include: **Python, Pytorch, Spark, Athena, MongoDB, Docker, Kubernetes, AWS...**



Schibsted • Barcelona • Spain

February 2018–March 2019

Staff Insight Analyst • Schibsted is an international media group that is one of the world's leading online classified ads businesses. I worked with Messaging Team helping them with integrating Machine Learning/Deep Learning products, setting up experiments and providing analysis. I also designed, developed and helped putting in production NLP models. Tools used include: **Spark, Scala, Python, Amazon Redshift, SQL, Tableau, AWS...**



SCRM/Lidl • Barcelona • Spain

February 2017–February 2018

Senior Data Scientist and Team Lead • I worked as Data Scientist Team Lead in Lidl Plus project, a project that changes customer service and the way people do shopping in the chain of more than 10,000 Lidl supermarkets across Europe. I led a team that was setting up hypothesis-driven decision-making environment, creating recommender systems and forecasting demand. Tools used include: **Python, Hive, R, Azure...**



King (Activision/Blizzard) • Barcelona • Spain

September 2015–February 2017

Data Scientist • King is a successful mobile game company, that has more than 300 million unique players every month. I participated in developing and improving Bubble Witch 2 and 3 games. My role was to perform analysis of complex scenarios, design experiments (that includes *AB Tests*), balance *Quest's*, *Liveops'* and *levels'* rewards and tune their difficulties, create predictive models and develop analysis strategies. Tools used include: **Python, R, Hive, SQL.**



Universitat de Barcelona – IL3 • Barcelona • Spain

Jan 2019 – present

Creator and Teacher of Online Course in Advanced Analytics

Universitat Politècnica de Catalunya • Barcelona • Spain

Jul 2017 – present

Visiting Lecturer • Teaching courses on Deep Learning, Causality and Big Data Management for Master in Statistics and Operations Research (MESIO) UPC-UB.



KSchool • Barcelona • Spain

Jan 2019 – present

Teaching Spark and Machine Learning courses for Master in Data Science

Oxfam Intermón • Barcelona • Spain

April–September 2015

Voluntary Work for Unidad de Monitoreo y Evaluación de Campañas • Creating web application that analyzes and visualize Oxfam Intermón campaigns on Twitter. Tools used include: **R**



Barcelona Data Science and Machine Learning Meetup • Barcelona • Spain

2015 – present

Co-organizer of the meetup Barcelona Data Science and Machine Learning Meetup

Ph.D. in Dynamical Systems (Mathematics) Warsaw University of Technology • Warsaw • Poland 2000–2005

M.Sc. in Mathematics Education University of Białystok • Białystok • Poland 1997–1999

Coursera/edX/Udacity/... 2012–present

Deep Reinforcement Learning Nanograde, Deep Learning Nanograde, Data Science Specialization, Functional Programming in Scala, Machine Learning, Statistical Learning, DB Introduction to Databases, Software as a Service, Programming Languages, Computational Finance and Financial Econometrics ...



Universidad Católica del Norte • Antofagasta • Chile 2005–2013

Associate Professor • Mathematical Research in Dynamical Systems and Ergodic Theory: a book and articles written, participation in international and national grants, long and short term visits in other research institutions, active participation in mathematical congresses and workshops. Teaching: graduate/undergraduate courses, thesis supervision (PhD, MSc, Bachelor). Administration: Member of Mathematical Graduate Studies Committee.



University of North Texas • Denton • USA Jan–Jun 2009, Feb–May 2007, Sep–Dec 2003

Visiting Professor • Research on Dynamical Systems, taught undergraduate courses, for example, *Probability Models*



Polish Academy of Sciences • Warsaw • Poland 2004–2005

Assistant Professor • Research position.



DeLTA UCN • Antofagasta • Chile 2010–2013

Professor • Working with socially disadvantaged gifted students, course for teachers about new technologies

Université Lille 1 • Lille • France September–November 2010

Visiting Professor • research on Dynamical Systems



University of Warwick • Coventry • UK April–July 2003

Marie Curie Scholarship • Research on Dynamical Systems



Fac. of Mathematics and Physics, University of Białystok • Białystok • Poland 1998–2000

Assistant Professor • taught graduate and undergraduate courses

Co-author of the **book** *Distance Expanding Random Mappings, Thermodynamical Formalism, Gibbs Measures and Fractal Geometry Lecture Notes in Mathematics* Springer 2011 (with V. Mayer and M. Urbański)

Author of **articles** in mathematical journals that include *Mathematical Proceedings of the Cambridge Philosophical Society, Fundamenta Mathematicae, Indagationes Mathematicae* etc.

Active participation in international research **grants** financed by European Union, Chile or Poland

Talks at international **conferences and workshops** in USA, Germany, Poland, Chile, Bolivia

Visiting universities and **receiving visits** from USA, France, Poland, Chile

Member of Organising Committee of international and national conferences in USA, Chile, Poland, Bolivia



Soluciones de Gestión y Apoyo a Empresas S.L. • Zaragoza • Spain Aug 2013–Dec 2014

Mathematical modelling in electric engineering, • Developing web apps and reports related to electrical and logistic projects in Angola. Writing, typesetting, programming HTML5 apps for engineering journal *Soluções*. Tools used include: Ruby (RoR), JavaScript, Python, Matlab, \LaTeX .



Clacktion • Barcelona • Spain January–April 2015

SEM Technologist • Creating AdWords Campaigns. Developing software for automated control and reports in Python (Django).