

Mariusz Budziński

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Education

- 2018 - **PhD studies, Mathematical statistics**, [Bocconi University, Italy](#).
- Bayesian Nonparametrics
 - Extreme Value Theory
 - Computer Science
 - Machine Learning
- 2018 - 2019 **MPhil, Mathematical statistics, A/A**, [Bocconi University, Italy](#).
- Probability Theory (I and II)
 - Classical Statistics (I and II)
 - Measure Theory and Topology
 - Stochastic processes
 - Bayesian Statistics (I and II)
 - Computational Statistics and Data Analysis (I and II)
- 2016 - 2018 **Master Degree Studies, Physics**, [Faculty of Physics University of Warsaw, Poland](#), Individual studies realised on Faculty of Physics and Faculty of Mathematics, Informatics, and Mechanics of University of Warsaw.
Final Grade: Very Good, Arithmetic average: 4.74/5 (139.5/120 ECTS)
- 2018 **Master Degree Thesis**, "*The usage of deep learning methods in diagnostic of sleep disorders based on the EEG signal*" (tensorflow), tutor *dr hab. Jarosław Żygierewicz*.
- 2013 - 2016 **Bachelor Degree Studies, Physics**, [Faculty of Physics University of Warsaw, Poland](#).
Final Grade: Very Good, Arithmetic average: 4.71/5 (191/180 ECTS)
- 2016 **BA thesis**, "*Quantum families of quantum group homomorphisms*", Published in, *COMMUNICATIONS IN ALGEBRA* 45, (2017) 1627-1638.

Experience

Work Experience

- 19.02.2019 - **Internationale Nederlanden Group**, *Junior Data Analyst*.
- 01.08.2019
- Completion of numerous tasks with Python3 and HIVE
 - Control of analytical processes on the production environment
 - Creating predictive models and optimizing pre-existing solutions
 - Construction of the best classification model during recruitment among other participants
- 07.2017- **NN Investments Partners**, *Financial Data Analyst*.
- 09.2017
- Aggregation and processing of financial data from the Bloomberg platform and analysis in terms of utility in an investment process
 - I had indicated a small usefulness of the ESG coefficient on the Polish investment market. My analysis saved the Fund from erroneous investment decisions that could arise from the center's cogency to use the abovementioned ESG index. Work carried out using the R programming environment.

Internships

- 08.2016- **Center for Theoretical Physics of the Polish Academy of Sciences** , *Internship*,
10.2016 Internship tutor: [prof. Jerzy Kijowski](#) .
◦ SYMPLECTIC MECHANICS AND ITS APPLICATIONS IN GENERAL RELATIVITY
- 08.2015- **Center for Theoretical Physics of the Polish Academy of Sciences** , *Internship*,
10.2015 Internship tutor: dr Emilia Witkowska.
◦ THEORETICAL DESCRIPTION OF BOSE-EINSTEIN CONDENSATE

Skills

Programming **C++**, **Python**, **R**, **Hive**, **L^AT_EX**, **Git**.
Languages **Polish (native)**, **English (C1/C2)**, **Italian (A1)**.

Conferences, workshops

- (08 - 20).07 **Bocconi Summer School in Advanced Statistics and Probability**.
2019
- 18.06.2019 **Stats under the stars, Bocconi University**.
29.03.2019 **Bologna StaTalk 2019**.
2018 **Training at "Sages" company from usage of Spark in Data Science**.
(1–10).08.2016 **Lie Pseudo-groups and their invariants** .

Interests

Scientific: Statistics, Machine learning, Mathematics, Data Science
Extrascientific: Organic farming, herbalism, fishing, cooking
Sports: Jogging, dancing, calisthenics, ice swimming, football