

DATA SCIENTIST

Dr. Yury Zablotski

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ADDRESS

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ABOUT ME

I am passionate about using Statistics, Bioinformatics and Machine Learning to play with Life Science data



PROGRAMMING SKILLS



REFERENCES

- Prof. Dr. Andreas Oschlies
PhD supervisor
GEOMAR Kiel
+ 49 431 600 1936
aoschlies@geomar.de
- Dr. Sarah B.M. Kraak
most recent senior colleague
Thünen Institute Rostock
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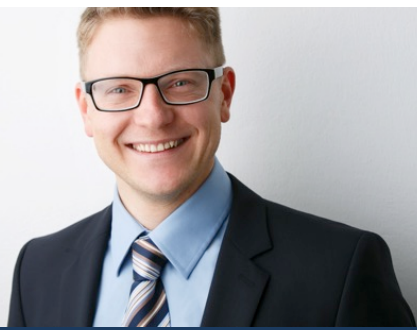
EXPERIENCE

- Mar 2019 - Mai 2019 **Data Scientist**
inovex GmbH, Munich
 - Python, Spark, Databricks, Azure Cloud
- Nov 2016 - Nov 2018 **Biostatistician / Data Scientist**
Institute of Baltic Sea Fisheries, Rostock
 - Statistical analysis in R
 - Database management in MySQL
 - Teaching Data Analysis in Excel and R
- Aug 2015 - Sep 2016 **IT Consultant**
PPI Media GmbH, Kiel
 - Requirements analysis of customers
 - Project management
- Jan 2011 - Jul 2014 **Research Scientist (PhD)**
GEOMAR – Helmholtz Centre for Ocean Research, Kiel
 - Biogeochemical Modeling in MATLAB
- Jul 2010 - Dez 2010 **Research Scientist**
GMA mbH, Büsum
 - Batch experiments of ozone exposure on nitrifying bacteria
- Feb 2005 - Feb 2011 **Research Assistant**
CAU – Christian-Albrecht’s University, Kiel
 - Fish larvae stomach content analysis
 - Culture of microalgae
 - Counting fungi-colonies on contaminated grain crops



STATISTICS & MACHINE LEARNING TOOLS

- Regression ○ LM, polynomial, splines, GAM for numerical data
- Classification ○ GLM, LDA, QDA, SVM, GAM for categorical data
- Decision trees ○ Random forest, bagging, boosting
- Regularisation ○ Subset selection, LASSO, RIDGE
- Resampling ○ Bootstrap, cross validation
- Clustering ○ k-means, hierarchical
- Dimensionality reduction ○ PCA, CA, MCA
- basics of ○ Bayesian stats, association analysis (apriory, eclat) & deep learning



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ABOUT ME

Born: 01.06.1982
Nationality: German
Marital status: not married



LANGUAGES

GERMAN	████████████████████
ENGLISH	████████████████████
RUSSIAN	████████████████████
FRENCH	████████



HOBBIES

Machine Learning & AI
Data Science
Languages
Hiking



EDUCATION

- Jan 2011 **PhD (magna cum laude)**
- Jul 2014 *CAU – Christian-Albrecht’s University, Kiel, Germany*
 - Optimality and trait base approaches to sympatric speciation and sympatric co-evolution of predator and prey traits
- Jul 2011 **Postgraduate training**
- Oct 2011 *JCU – James Cook University, Townsville, Australia*
 - Ecological Dynamics: An Introduction to Modeling
- Oct 2004 **Diploma in Biology majoring in Fisheries**
- Apr 2010 *CAU – Christian-Albrecht’s University, Kiel, Germany*
 - Candidates species for aquaculture
- Sep 2000 **Diploma in Animal Science (now biotechnology)**
- Nov 2008 *VSAVM – Vitebsk State Academy of Veterinary Medicine, Vitebsk, Belarus*
 - Aquaponics as a highly ecological method of increasing natural and social resources usage efficiency on the example of a pilot farm of the Waedenswill University, Switzerland
- Sep 1988 **A-Level**
- Jun 1999 *Vitebsk, Belarus*
 - Advanced study of chemistry and biology



INTERNSHIP AND VOLUNTARY WORK

- Aug 2007 **Biological field experiments for Georgia Coastal Ecosystems long-term research project (GCE-LTER)**
- Sep 2007 *UGAMI – University of Georgia, Sapelo Island, USA*
 - Investigating the decomposition rate of leaves by different animals in tidal marine habitat
- Jun 2003 **Agricultural Internship**
- Sep 2003 *APOLLO e.V., Ogrosen, Germany*
- 2000 **Voluntary theoretical scientific work**
- 2003 *VSAVM, Vitebsk, Belarus*
 - Development of sustainable agriculture in Belarus