


Katerina Bosko, PhD

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 [k-bosko](#)

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TECHNICAL SKILLS

Languages: Python, SQL

Packages: pandas, numpy, scikit-learn, seaborn, matplotlib, pytorch

Tools: Git, Jupyter, Tableau, Advanced Excel, Alteryx

PROJECTS (2018-2019)

- [*IPO Bubble: Supervised ML model to predict IPO success*](#)
Scraped, cleaned and modelled IPO data using GradientBoostingClassifier in scikit-learn to predict the IPO success on its first day of trading
- [*Customer Segmentation with Unsupervised ML*](#)
Cleaned data & applied KMeans clustering using scikit-learn to identify segments of the population that form the core customer base for a mail-order sales company.
- [*Flower Image Classifier with Deep Learning in PyTorch*](#)
Built a command line application to train an image classifier in PyTorch using transfer learning to predict the flower type.
- [*Increasing Profits for Watershed Properties*](#)
Extracted relevant data with the advanced MySQL queries and created interactive Tableau dashboard based on data analysis.

PROFESSIONAL EXPERIENCE

University of Bremen, Germany

Researcher, Editor-in-Chief of “Ukraine-Analysen”
(3500+ subscribers, biweekly)

2013-2018

- Managed 60+ issues of online analytical journal.
- Created 400+ data visualizations that accompanies the issues.
- Collaborated with 100+ academics worldwide.
- Wrote 30+ analytical articles.
- Presented at 25+ public events.

Research Assistant/ PhD Candidate

2009-2013

- Worked on a PhD thesis, tutored “Intro to Comparative Politics”, supervised a B.A. thesis, mentored interns.

EDUCATION

PhD in Political Science
MA in International Relations
BS in International Information

University of Bremen (Germany)
University of Eichstaett-Ingolstadt (Germany)
Khmelnitskyi National University (Ukraine)

2017
2009
2007