CV DR. PAVEL IVANOV

DATA SCIENTIST

Contact Info

- Krautgasse 15, 07743 Jena
- 0176 47125780
- pvivanov89@gmail.com;

Languages

Russian: ■■■■■■■■■
English: ■■■■■■■□□
German: ■■■■■■■□□

Computer and software skills

Python: Spyder, Jupyter Notebook, Google Colab
Modules: Scikit-Learn, Pandas, TensorFlow, TensorHub, Numpy, Matplotlib, Bokeh, Plotly

MS Office, Adobe Illustrator, CorelDraw, ImageJ, OPUS, Omnic, DiffracEva, Origin, Slicer

Hobbies

Board games, traveling, playing the guitar, short films, event management

Voluntary work

Cellu l'art – Festival Jena e.V.	Since Oct. 2018
Board Member	Since July 2020
Int.Ro Jena	Oct. 2018- May 2021

Social Media

LinkedIn   **Xing**   **Facebook**

EDUCATION

Master's in engineering geology and hydrogeology	*Sept. 2006 – Jun. 2012*
PhD in Earth Sciences	*Okt. 2012 – Aug. 2016*

Lomonosov Moscow State University, Dept. Of Geology

OCCUPATION

Research associate	*Since Nov. 2016*

Friedrich-Schiller-University Jena, Institute of Geosciences

Leading research engineer	*Feb. 2012 – Nov. 2016*

Lomonosov Moscow State University, Dept. Of Geology

Research trainee / Research engineer	*Feb. 2012 – Nov. 2016*

Sergeev Institute of Geoecology of the Russian Academy of Science

EXPERIENCE IN DATA SCIENCE

Professional Education
- Online course „Using Python for Research", Harvard University
- Online course „Complete Machine Learning & Data Science Bootcamp 2022", Zero to Mastery inc.

Skills and Tasks
- Clean-up, preparation and evaluation of large data sets;
- Visualization of geospatial data;
- Machine learning: modelling of structured data sets (regression, clustering, classification);
- Graphical representation of the results.

MAIN PROFICIENCES

- Planning and carrying out the scientific research;
- Collection and statistical analysis of the experimental data;
- Presentation of scientific projects and findings at conferences and specialist meetings;
- Preparation of publications and reports;
- Building of interdisciplinary networks and their coordination;
- Search for and application for funding;
- Supervision of students' scientific works.

Other relevant skills
- Good understanding of statistical laws and patterns (correlation, causality, association, significance);
- Theoretical knowledge about basic machine learning algorithms (Random Forest, K-Neighbors, K-Means, PCA, regression, etc.);
- Soil microscopy and statistical analysis of 2D and 3D spectral data, image analysis, 3D reconstructions.