

# MARIIA GRIAZNOVA

Data Analyst



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[linkedin](#)

[GitHub](#) (Projects)

Nicosia, Cyprus

## Skills

Python, R

SQL

Statistical analysis

A/B testing

Data  
visualization &  
presentations

Yandex DataLens

Excel  
(advanced functions)

## Language

Russian  Native

English  Professional Working

Greek  Elementary

## Profile

I am a Data Analyst with a PhD in Biology and over four years of experience analyzing complex biological data. While working on scientific research projects, I developed a passion for analysing data, identifying patterns, and making informed, data-driven decisions. This led me to complete the Yandex Practicum Data Analytics program, where I developed solid skills in SQL, Python, statistics, and A/B testing. I'm excited to bring my analytical mindset, research rigor, and technical expertise to solve real-world business problems.

## Work Experience

2019 – 2024 | Voronezh State University of Engineering Technology  
Russia  
**Junior Researcher**

Applied **statistical data analysis** and **bioinformatics** to study the role of the microbiome in biomedical and food biotechnology contexts. Conducted **interdisciplinary research** integrating experimental biology with **computational approaches**.

### Key responsibilities and achievements:

- Performed **statistical analysis** of metagenomic sequencing data **using R** and various **bioinformatics tools**.
- Implemented** complete metagenomic **workflows** — from nucleic acid isolation and library preparation to sequencing and downstream analysis.
- Optimized** 16S rRNA library preparation protocol for Ion Torrent PGM, **improving** sequencing **efficiency** and **data quality**.
- Managed large-scale biological datasets**, ensuring data consistency, structure, and integrity across projects.
- Designed, planned, and interpreted** reproducible laboratory experiments with a focus on **methodological rigor**.
- Deployed and maintained **virtual machines** (Ubuntu) on Yandex Cloud for **efficient data processing**.
- Curated and integrated research data** into internal databases for reuse and publication.
- Co-authored 25+ peer-reviewed publications; contributed to **writing scientific manuscripts** and **grant proposals**.
- Prepared detailed scientific **reports** and **summaries** for academic and funding stakeholders.
- Developed educational programs** and taught undergraduate courses focusing on hands-on data analysis and research applications.

## Professional Interests

- **Reading:** Storytelling with Data, Data Science for Business
- **Watching:** Alex the Analyst (YouTube)
- **Exploring:** GitHub projects with data visualization, statistical analysis, and A/B testing, SQL Academy



## Education

|      |   |
|------|---|
| 2025 | <b>Certificate: Data Analyst</b><br>Yandex Practicum                      |
| 2024 | <b>Ph.D.: Biology</b><br>Voronezh State University - Russia               |
| 2019 | <b>Master of Science: Biology</b><br>Voronezh State University - Russia   |
| 2017 | <b>Bachelor of Science: Biology</b><br>Voronezh State University - Russia |