



Mineralogical Society of Slovakia and SEG Bratislava, Student Chapter



invite you to seminar

Liubomyr Gavryliv: Introduction to Data Analysis in Geosciences

We are pleased to announce a series of seminars on data analysis in geosciences. The duration will be approximately 30-45 mins and the tutor is **Liubomyr Gavryliv, PhD.** from the **Department of Mineralogy, Petrology and Economic Geology, FNS CU**. Liubomyr currently works as a Marie Skłodowska-Curie research fellow in the UK and develops a multidimensional relational data model for mineralogical data analysis.

The seminar will go into the fundamentals of data analysis and its practical implications in mineralogy and geology with a few examples from the tutor's experience. We will discuss the following topics:

- (1) What is data analysis and is it important in mineralogy?
- (2) Most popular programming languages and tools for data analysis: Python and R
- (3) Data collection: principal methods and drawbacks
- (4) Data cleaning and transformation
- (5) Data warehouse: databases vs temporary data storages
- (6) Important resources for making data analysis

A short discussion will take place about the general improvement of research quality by the employment of data analysis techniques with key examples.

Venue:

Faculty of Natural Sciences, Comenius University, Ilkovičova 6, Bratislava

Date and time: **March 24, 2022 at 15:00**

Room: **AMOS**