

Course introduction

Basic information

- Lectures/seminars each **Wednesday, 12:00 – 13:40**, room **L11**.
- Try not to miss the seminars/lectures please.
- *Hybrid* teaching or recording the lectures is not planned.
- Be active and curious, the lectures are mere introductions and most of the work is up to you.
- Bring your own laptop or use the computers in the room.

Schedule

See [details here...](#)

Lecturers



Petr Pajdla

*Archaeological information system of the Czech republic (AIS CR)
Institute of Archaeology, Czech Acad Sci, Brno*

[0000-0001-7050-9572](tel:0000-0001-7050-9572)



Peter Tkáč

*Department of Archaeology and Museology, Masaryk University
Institute of Botany, Czech Acad Sci*

[0000-0002-9444-1936](tel:0000-0002-9444-1936)

And what about you?

Objectives

At the end of the course, you will be able to:

- understand basic statistics terminology,
- create plots for one and two variables,
- calculate and interpret summary statistics,
- manipulate and prepare data for various types of analyses,
- analyze range of data types,
- analyze spatial and temporal data,
- work in the R programming language and environment.

Prerequisites

- Not to be afraid of learning a scripting language.
- Elementary knowledge of mathematics/statistics.

Where to review basics of maths/stats?

If you feel unsure in any of the topics we cover, it is possible you'll find these courses explaining basics in maths and stats helpful:

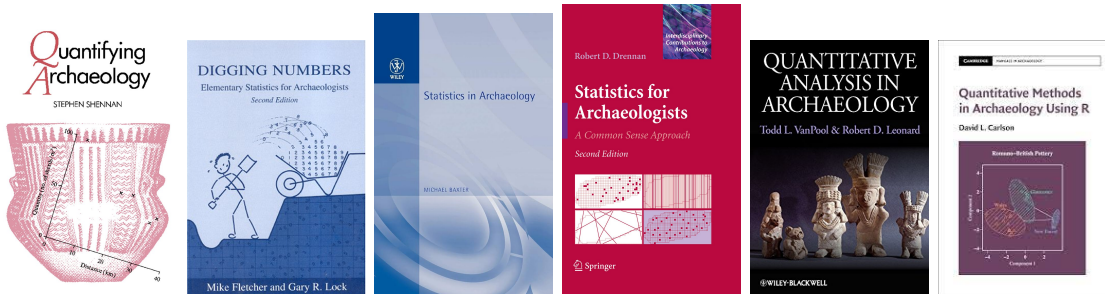
- [Khan Academy 7th grade statistics](#)
- [Khan Academy High School statistics](#)

Projects

- During the course, you will work on a data analysis project of your own, see [more details here](#).

Resources

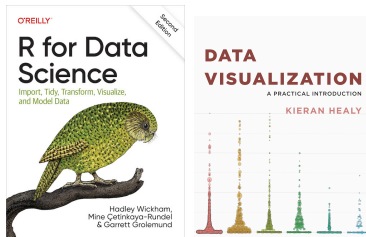
Quantitative methods in archaeology



- See section [Resources](#) for more details...
- Books already available in study materials.

Resources

Learning R



- See section [Resources](#) for more details...
- Books available online.

Why maths in archaeology?

Brainstorming

Assignments

- Read chapters **Quantifying Archaeology** in *Quantitative Analysis in Archaeology* book by VanPool, T. L. and Leonard, R. D. (2011).
- Optionally, read **Introductions** in:
 - *Quantifying archaeology* book by Stephen Shennan, and/or
 - *Quantitative Methods in Archaeology* book by David L. Carlson

See [Resources](#) for more details. These books will give you a general overview on why to use quantitative/computational methods in archaeology.