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

Peter Tkáč

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

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

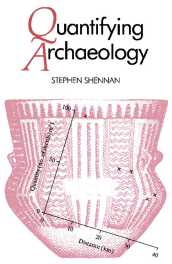
- Khan Academy 7th grade statistics
- Khan Academy High School statistics

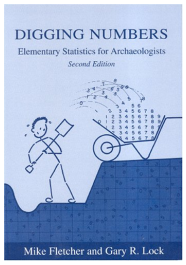
Projects

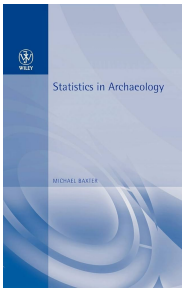
- During the course, you will work on a data analysis project of your own, see more details here.

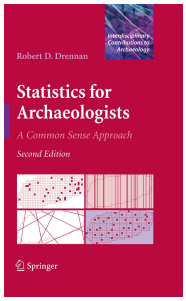
Resources

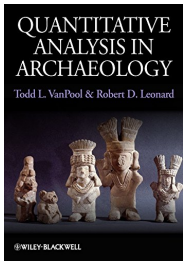
Quantitative methods in archaeology

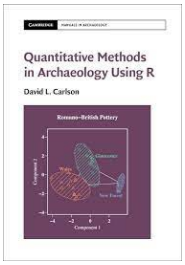








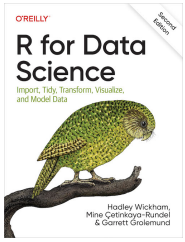


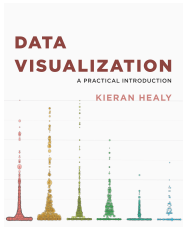


- See section Resources for more details...
- Books already available in study materials.

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.