

Education on the Horizon: Teaching and Learning with Technology

Week 1: Introduction

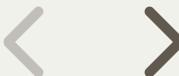
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Dates	Topic
2022-10- 24	W01: Introduction
2022-11- 07	W02: How to Evaluate ICT for Teaching?
2022-11- 14	W03: Multi-Media Learning
2022-11- 21	W04: Embodied Learning (VR / AR)
2022-11- 28	W05: VR Experience



First, some house cleaning...

- Course site
- Syllabus
- Join online annotation club

Next, let's get to know each other!



Where have I been?

Ann Arbor



Berlin



Beijing



Beijing, China

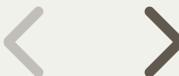
Department of Psychology, Beijing Normal University

Ann Arbor, Michigan, USA

Combined Program in Education and Psychology,
University of Michigan

Potsdam, Brandenburg, Germany

Erziehungswissenschaft, Bildungswissenschaften,
Universität Potsdam



Inside Academia

Visual cognition and learning / teaching



Inside Academia

Virtual reality and learning/teaching



Inside Academia

Data analysis and visualization for learning analytics

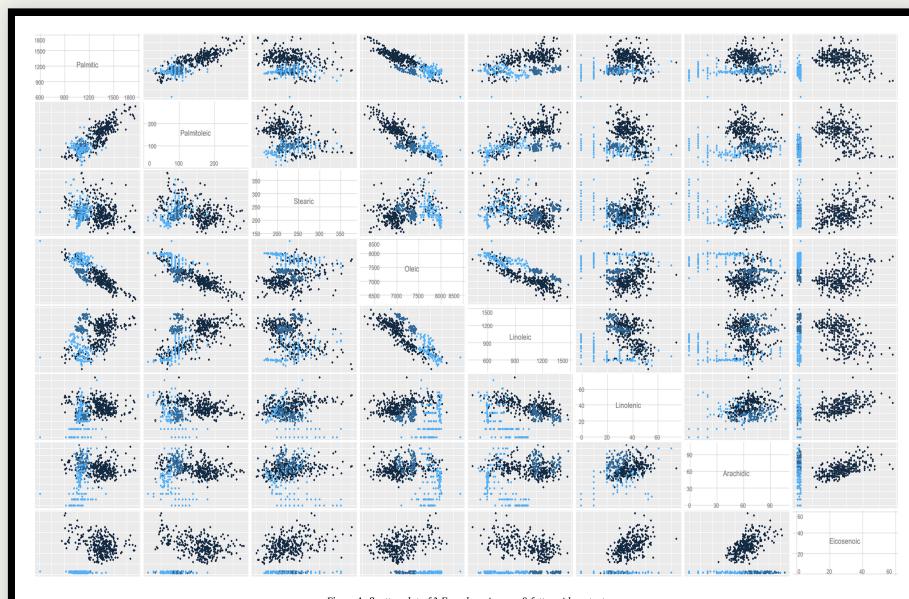


Figure 1: Scatter plot of 3 French regions on 8 fatty acid content

The scatter plot of the three regions (Figure 1) shows that eicosenoic acid appears to be useful for separating the olive oils from southern Italy (darkest blue dots) from the other two regions. Oleic and linoleic acid appear to be important for separating northern Italian (lightest blue dots) and Sardinian oils.

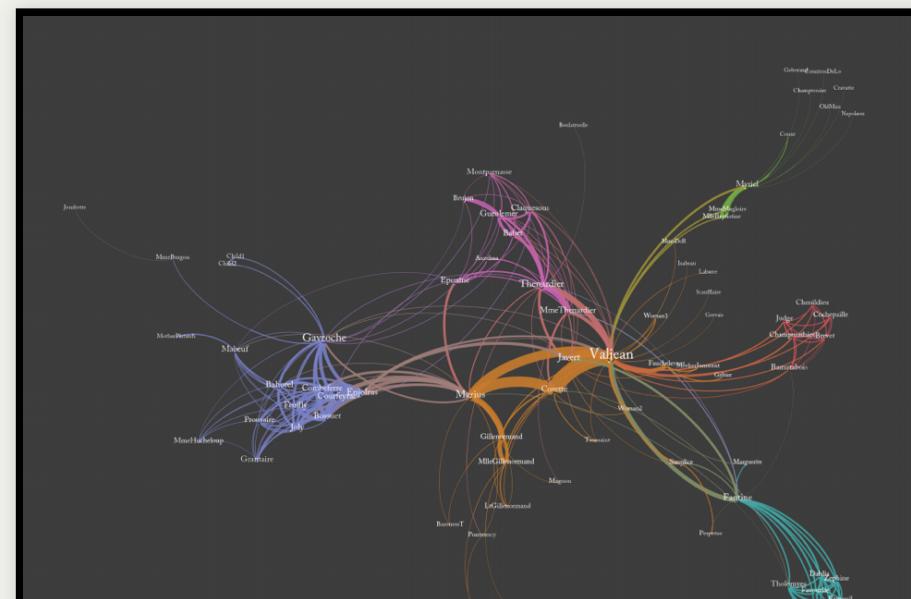
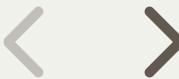


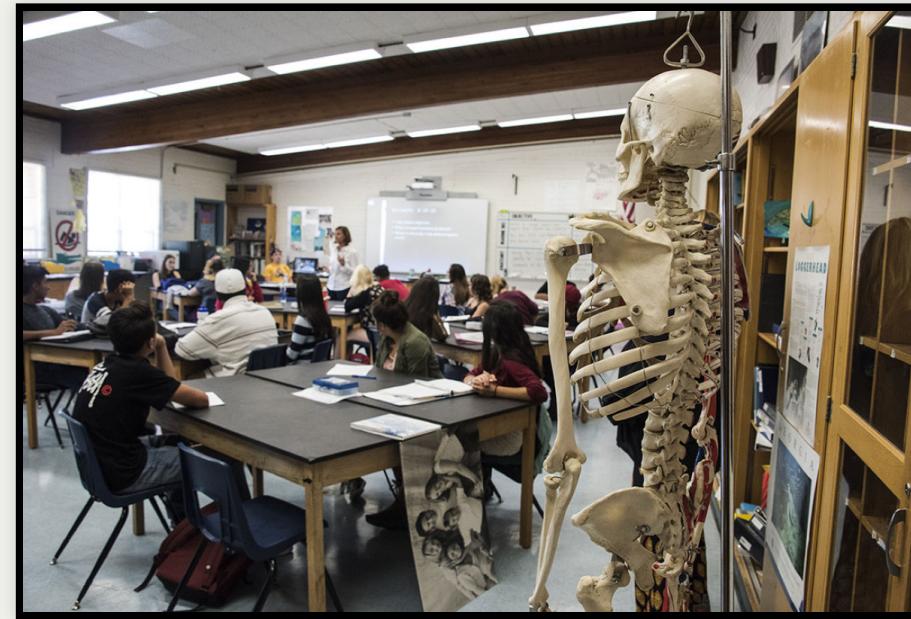
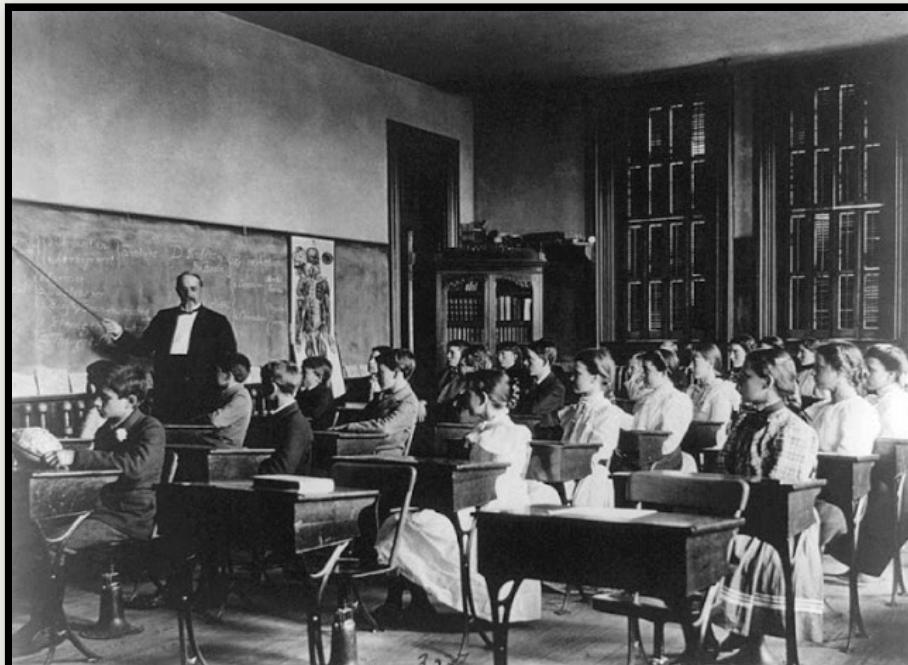
Figure 1: *Les Misérables*: coappearance weighted network of characters in the novel *Les Misérables*.

Outside Academia

Freelance illustrator and photographer



Classroom: old and new



Anything changed?

- Classroom in the cloud: Video and discussion forum
- Self-paced, learning by doing: learn to code and learn German
- Learning on social media: Instagram Story

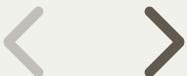
New tech, old idea

flipped classroom



Course Aim

- Knowing how, but more importantly, knowing why
- Use with confidence
- Topics: multi-media learning, game-based learning, embodied learning, personalized and adaptive learning, child development and technology, cloud-based learning



Any questions about this course?



Any questions about this course?



Any questions about this course?



Any questions about this course?



Any questions about this course?



Any questions about this course?

