

## PURPOSE

Cause: seminar was announced before my arrival. I had to do it!

Seminar is meaningful, because everybody talks about AI but nobody knows exactly what it is, what it is good for, what you need to succeed, etc.

This seminar will change the world by increasing the AI literacy of all participants (including myself), and by teaching me how to teach a special, advanced seminar



## BUDGET



(Time per week)

- Ca. 3 hours class time
  - Ca. 3 hours followup
  - Ca. 3 hours lecture preparation
  - Ca. 3 hours project supervision
- = 12 hours / week

## TEAM



This is a solo project.  
The extended team includes:

- Prof Sonnier (advice);
- other faculty interested in AI applications (ideas);
- students (their interests and prior knowledge)
- scientific contacts (Prof Kjellin, Stockholm; N. Moneypenny, Seattle; S. Flinn, Houston; Prof Patel, London).

## ENVIRONS



HELPFUL:

- Term structure (provides timelines, pressure)
- Peer pressure (I want to succeed!)
- Student interests (they want to learn!)
- Worldwide interest in AI (must-know topic)

HINDERING:

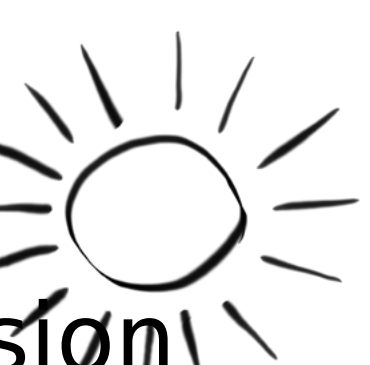
- My own perfectionism
- Lack of knowledge of students (abilities & interests)
- Immigration pressure (time management)

## WAYPOINTS



- 1) project setup
- 2) first few lectures
- 3) 1st sprint review: research question
- 4) 2nd sprint review: methodology
- 5) student protocols done
- 6) 3rd sprint review: results
- 7) student presentations completed
- 7) 4th sprint review: discussion
- 8) AI application ideas catalog
- 9) Plan for subsequent terms
- 10) Seminar post mortem

## QUALITY (start with "Customer"!)



RESULT quality: grade results; quality of discussion in class (see protocols, recordings).

WAYPOINTS quality: presentations and sprint reviews (measure via rubric - points for completion), rate of assignment completion

COMMUNICATION quality: level of student participation during discussion and exercises.

## RESULT



PRODUCTS: solo protocols, solo presentations, team project results.

SERVICES: team AI app idea and/or analysis of app and/or followup seminar

KNOWLEDGE: AI concepts, examples, history, players, companies, research methods. AI literacy concept, use and implementation.

See also syllabus.

## CUSTOMER



- Indirect results go to Lyon College (pays me directly)
- Direct results go to Students in the course (pay me indirectly)
- Other beneficiaries: faculty (AI literacy includes critical thinking and research abilities)
- Batesville/AR business: AI application knowledge may be useful to them
- Entrepreneurial students: AI app ideas may turn into startups

## RESOURCES



WORK TOOLS: Emacs (text editor/task mgmt);  
METHODS: Scrum, project canvas, user stories;  
MATERIALS: case studies; books; research papers and blogs (medium.com, towardsdatascience.com);  
work spaces: GitHub repository & project (KanBan);  
DataCamp lessons, assignments, workspace.  
Lyon College comp lab, library & Salty Dog Cafe.

## RISKS + CHANCES



RISKS: too much stuff, too little time for it all; overestimating students.  
CHANCES: positive group effects; powerful teams; good midterm results

**TIME**: Begins August 18, ends December 3 (non-negotiable term times). Sprint review times (both when and how long) are flexible.

Required preparation: none. After August 18: registration in GitHub. Attendance (75%) mandatory. Final presentation dates set. Details: see schedule.

Required mindset: curiosity, openness, sense of humor.







