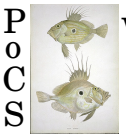

Principles of Complex Systems, Vols. 1 & 2, CSYS/MATH 300 and 303
University of Vermont, Fall 2021
Assignment 14
code name: Back to the Finale: Part II

Due: Monday, December 13, by 11:59 pm, 2021.
Relevant clips, episodes, and slides are listed on the assignment's page:
https://pdodds.w3.uvm.edu//teaching/courses/2021-2022principles-of-complex-systems//assignments/14/
Some useful reminders:
Deliverator: Prof. Peter Sheridan Dodds (contact through Teams)
Assistant Deliverator: Michael Arnold (contact through Teams)
Office: The Ether
Office hours: TBD
Course website:
https://pdodds.w3.uvm.edu//teaching/courses/2021-2022principles-of-complex-systems

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All parts are worth 3 points unless marked otherwise. Please show all your workingses clearly and list the names of others with whom you collaborated.

For coding, we recommend you improve your skills with Python, R, and/or Julia. The Deliverator uses Matlab.

Graduate students are requested to use LaTeX (or related TeX variant). If you are new to LaTeX, please endeavor to submit at least n questions per assignment in LaTeX, where n is the assignment number.

Assignment submission: Via Blackboard.

Please submit your project's current draft in pdf format via Blackboard by the same time specified for this assignment. For teams, please list all team member names clearly at the start.

Finish your projects:

- Final report page minima:
    - $\sim$ 3 pages for groups of 1.
    - $\sim$ 4 pages for groups of 2.
    - $\sim$ 5 pages for groups of 3.
    - $\sim$ 6 pages for groups of 4.

- Final talk, 3:00 per person.

Instructions:

- Final presentations and project write-ups are due by Monday, 11:59 pm, December 13.
- Please submit recorded videos and pdfs via Blackboard.

Here's what you need to know and do. Grading will take into account all of these aspects and more.

1. Talks should absolutely be G rated and respectful of others. See the PoCS syllabus, UVM's student conduct standards, and UVM's Our Common Ground.
2. Time: Please aim for no more than 3 minutes per person.
3. Your mission is to:
   (a) quickly review the problem/area you've been investigating; and
   (b) describe what you've been able to achieve so far (or what went horribly wrong).

   Please re-introduce yourself in a sentence (name + your field), and to acknowledge who you're working with.
4. Talks will be made available on Microsoft Streams for viewing on the Thursday.
5. Slides: Suggest 3 to 5. More may work but 100 is right out. Quality of slides forms part of the grade.
6. If you are feeling up for Beamer/LaTeX, I highly encourage it. Keynote is fine as well. Anything that ends up as a pdf will work.
7. Overleaf provides many journal format templates. We recommend Physical Review's template: https://www.overleaf.com/latex/templates/revtex-4-dot-2-template-and-sample/yydsrzvrqrzs.
8. Practice! These are short talks so you can run through them a number of times to straighten everything out.