



**Principles of Complex Systems, Vols. 1 and 2**  
**CSYS/MATH 6701, 6713**  
**University of Vermont, Fall 2025**  
**“That’s a stomach bomb”**  
**Assignment 17**

It’s Always Sunny in Philadelphia [↗](#): Frank Falls Out the Window, S11E02 [↗](#)  
Episode links: [IMDB ↗](#), [Fandom ↗](#), [TV Tropes ↗](#).

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**Due:** Friday, May 8, by 11:59 pm

<https://pdodds.w3.uvm.edu/teaching/courses/pocs/assignments/17/>

*Some useful reminders:*

**Deliverator:** Prof. Peter Sheridan Dodds (contact through Teams)

**Office:** The Ether and/or Innovation, fourth floor

**Office hours:** See Teams calendar

**Course website:** <https://pdodds.w3.uvm.edu/teaching/courses/pocs> **Overleaf:**  $\LaTeX$

templates and settings for all assignments are available at

<https://www.overleaf.com/read/tsxfwwmwdgxj>.

Some guidelines:

1. Each student should submit their own assignment.
2. All parts are worth 3 points unless marked otherwise.
3. Please show all your work/workings/workingses clearly and list the names of others with whom you ~~conspired~~ collaborated.
4. We recommend that you write up your assignments in  $\LaTeX$  (using the Overleaf template). However, if you are new to  $\LaTeX$  or it is all proving too much, you may submit handwritten versions. Whatever you do, please only submit single PDFs.
5. For coding, we recommend you improve your skills with Python. And it’s going to be a no for the catachrestic Excel. Please do not use any kind of AI thing unless directed. The (evil) Deliverator uses (evil) Matlab.
6. There is no need to include your code but you can if you are feeling especially proud.

**Assignment submission:**

Via **Brightspace** (which is not to be confused with the death vortex of the same name, just a weird coincidence). Again: One PDF document per assignment only.

**Life advice: Commit to watching Taskmaster. It's all on Youtube.**

**Finish up your written projects.**

Your goal is to produce a paper that is worth putting up on the arXiv (or some other preprint server) and has a shot at being published in a peer reviewed journal.

- Final report page minima:
  - ~ 4 pages for a group of 1.
  - ~ 6 pages for groups of 2.
  - ~ 8 pages for groups of 3.
  - ~ 10 pages for groups of 4.

You have up until 11:59 pm, Friday May 8, which is the end of exam week.