



What's  
The  
Story?

**Principles of Complex Systems, Vols. 1 & 2, CSYS/MATH 300 and 303**  
**University of Vermont, Fall 2021**  
**Assignment 15**

code name: Wet Hot American Bummer

**Due:** Wednesday, January 26, 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/15/>

*Some useful reminders:*

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

**Assistant Deliverator:** Michael Arnold (contact through Teams)

**Office:** The Ether

**Office hours:** Tuesdays, 3:00 to 4:00 pm on Teams

**Course website:**

<https://pdodds.w3.uvm.edu//teaching/courses/2021-2022principles-of-complex-systems>

---

All parts are worth 3 points unless marked otherwise. Please show all your workings 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:**

1. Please send to both the Deliverator and Assistant Deliverator via direct message on Teams.
  2. PDF only! Please name your file as follows (where the number is to be padded by a 0 if less than 10 and names are all lowercase): CSYS300assignment%02d\$firstname-\$lastname.pdf as in CSYS300assignment06michael-palin.pdf
- 

1. Come up with some rich, text-based stories for analysis.

For example: One (longish) book, or a book series, or a TV series.

Data would be the original text (books), subtitles, screenplay, or scripts (TV series).

- You must be able to obtain the full text.

- You will want something with at least around  $10^5$  words. More than  $10^6$  would be great.
- Transcripts of shows may be good for extracting temporal character interaction networks.

Please talk about possibilities with others in the class.

For this assignment, simply list at least one possibility, noting the approximate text size in number of words.