Reason for researching/why it was interesting/why this project was selected

Summary of Project (from last summer to now):

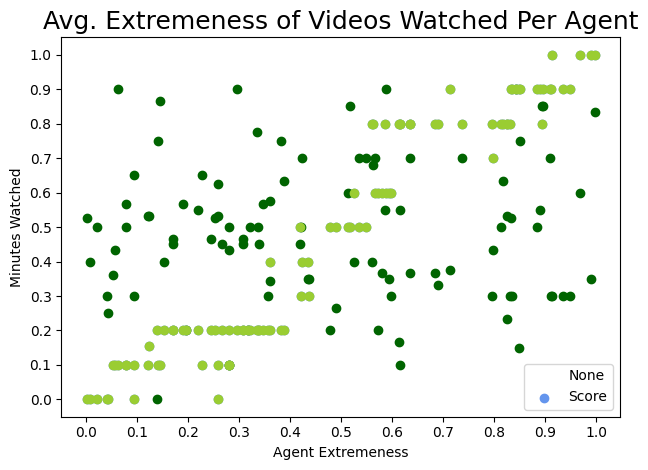
* Summer: lots of reading, collecting references, beginning implementation
  + Established format as Jupyter notebook with classes/objects for videos and people
* Fall: implementation
  + Adding different systems (none, rec, rand, then score)
  + Using archetypes at this point
  + The little graphic you drew at the bottom of the notebook
  + Began weighted score in November
* Spring semester: the PowerPoint
  + What did it do as of 1/9/24?:
    - Generates flexible number of agents and videos, in accordance with archetype parameters/distribution.
    - Runs simulation of video-watching for four different recommendation algorithms:
      * *No system*
      * *Filtered list*
      * *Filtered list with 10% chance of watching an entirely random video*
      * *Scoring system*
    - Graphs the following for each system, w/ side-by-side regression curves to compare between systems:
      * *Avg. extremeness of videos watched per agent*
      * *Minutes watched per agent (by both extremeness and agent #, which in this case correlate)*
      * *Number of videos watched per agent*
  + Looked at results for just middle agents to see how they were polarized
  + Moved away from archetypes to completely random agents (1/24/24)
  + Comparison between results with and without archetypes (slide 29)
  + Messing around with the variable weights in the scoring function
    - On this note, getting the rainbow graphs I have now for testing the four (three?) main graphs,

Final status of project (aka now); most important graphs and such

* Below is the current graphs outputted
* Highlight some of the archetype graphs too (or the same graphs but w/ vs. w/out archs)
* What did I learn, if anything; future work
* TODO: go through each graph and make sure it looks how it’s supposed to
* A graph of a graph showing a number of green dots

  Description automatically generatedA graph with blue lines and numbers

  Description automatically generatedA graph with green lines and white text

  Description automatically generated

A graph with green lines and numbers

Description automatically generated

A chart of green dots

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