Capstone Project Proposal

1. What is the problem you want to solve?
   I want to identify student demographics and measure success of technology usage in the classroom.
2. Who is your client and why do they care about this problem? In other words, what will your client DO or DECIDE based on your analysis that they wouldn't have otherwise?
   My client is anyone who plans to invest and participate in ed-tech.
3. What data are you going to use for this? How will you acquire this data?
   https://www.kaggle.com/aljarah/xAPI-Edu-Data
4. In brief, outline your approach to solving this problem (knowing that this might change later).
   Dissect demographics and backgrounds of user base, note strong trends. Some questions/data I would investigate:

** Demographics
- What (extreme or minor) trends exist in the users? What kind of users are using this LMS?
- Where are people using this LMS?
- What is the make up of educational levels? [who]
- What are the numerical intervals / makeup of these students?
- When do they use it? When do they not? Why document absent days?
- Why do we care? What use is this information?

** Consequences / Feedback of the LMS
- Satisfaction rates from parents?
- How do absent days play into this…? What's the correlation with absent students and parent feedback?

** Comparisons
- How do grades differ by semester? I'm assuming that they do.

** Behavioral features data
- raised hands v online usage (viewing resources, announcements, discussions)
- what topics are popular or frequently used with the LMS?

- how efficient is it? So first, comparisons between topics and behavioral usage of LMS, and then those students in those topics with the LMS and their obtained/concluded education level

What data is missing here but would be useful?

5. What are your deliverables? Typically, this would include code, along with a paper and/or a slide deck.
   Slide deck with code showing graphs and comparisons/findings.