

I hope to use this project to engage students learning in the course, and give students opportunities to explore and make connections between the Math concepts and their daily life.

## **MAT161 OPEN PEDAGOGY Final Project**

( Due by the end of the semester)

You can work as a group ( 2 or 3 students per group) or solo to complete this project. If you choose to work as a group, make sure to pick a leader and email me your group member names by the end of 2/14.

### **Here are the steps to complete the final project.**

Step 1: Choose a topic from the course schedule for the project.

Step 2: Draw, explain or find a real life problem that requires the mathematics knowledge from this course. This can be found from a newspaper or any social media resource. Students can talk to their families about what decisions they made that require Math concepts.

Step 3: Use some formulas to do the calculations.

For example, mean, standard deviation, variance, monthly payment for the mortgage, compound interest, simple interest, probabilities, etc.

Step 4(optional): Draw the distribution of the data if needed..

For example, scatterplot, histogram, ogive, box-plot, regression line etc.

Step 5: Describe what you have seen from the data or calculations.

Have at least one paragraph providing insight regarding the statistics.

Step 6: Formulate a question that you may have, and try to answer the question using this result. For example, make a prediction of the chances of winning a lottery.

Step 7: Submit the project to the blackboard.

You can present your project results in any of the following formats. It can be a Zine, recorded videos, audio recordings, math book, PPT, essays, etc.

### **For Group Project**

1. Students should use this group time to tackle problems, plan next steps, or cover anything else that is hard to do without everyone involved.
2. Students can use GroupMe, blackboard discussion boards or blackboard Collaborate to communicate with each other.
3. Set up a weekly meeting (About 15 mins), and email me the meeting information before 2/14
4. Some questions that you should ask each other during the group meeting,
  - What did everyone do last week?

- What is everyone going to do this week?
- Did anyone run into any problems?

Below are some links that might be helpful for creating a Zine (Thank you to Benjamin Haas):

- 1 page zine link: <https://bookriot.com/how-to-make-a-zine/>
- Word processor templates: <https://anatomicair.com/book-templates/>
- Archive.org 63,xxx zines : <https://archive.org/details/zines>
- BMCC Reads zine collection on the OpenLab:  
<https://openlab.bmcc.cuny.edu/bmccreads/zines>
- Barnard College listing of regional zine libraries:  
<https://zines.barnard.edu/zinelibraries>