

Math 203 Project Part 4

Driving Question: How can we improve College of Alameda?

1. (65 points) Submit your math analyses for a 4-8 page report on the day of the presentation. Be sure to include appropriate interpretations and 2017 & 2019 projections for each of the three equations you obtained. Choose the equation of best fit that creates the most interesting and compelling arguments to convince others the need for change or innovation at COA. Following, write 2 proposals that changes or intervenes with your findings; one proposals must be from an existing program at another school or in the community.
 - a. (5 points) Define the variables
 - b. (30 points) Math Analysis for all equations
 - c. (5 points) Identify the equation of best fit
 - d. (5 points) Create an argument based on the data that convinces others the need for change or innovation at COA
 - e. (10 points) Description of proposals
 - f. (5 points) Explanation of how proposals address the data
 - g. (5 points) References
2. (30 points) **Presentation:** You will write a proposal that changes or intervenes with your findings; it must be from an existing program at another school or in the community. Additionally, you will create a 5-7 minute presentation

The presentation will be a condensed version of the written report. For your presentation, you will need to explain the following:

- i. (10 points) Definition of variables and explanation of best fit graph: 2 & 4 year predictions, other characteristics of the equation. *Do not show any math work, just the highlights.*
 - ii. (5 points) Arguments based on the data
 - iii. (5 points) Description of the proposals,
 - iv. (3 points) Connect proposal to data (how do the proposals affect data?)
 - v. (2 points) One slide of references.
 - vi. (5 points) Reporting of materials should be clear and well-rehearsed.
3. (5 points) On Wednesday May 13, each group will be designated with a person on campus to send an email outlining your project; the names will be posted on Moodle. This last part will be due Wednesday May 20. In this email, use professional language, carbon copy (cc) me and share information on the following:
 - a. You are a student and did research on college data. Give a link to where you found the data
 - b. Slope interpretation
 - c. 2017 prediction using the equation of best fit (do not show your math, just the result)
 - d. Description of your proposals with links
 - e. Link to your presentation