

## Math 203 Project Part 1

### Driving Question: How can we improve College of Alameda?

1. Use the resources we give to find data over the years, at least 5 data points.
  - a. Using College of Alameda Data:  
<http://web.peralta.edu/indev/peralta-facts-by-topic/>  
You can look at
    - i. Enrollment trends
    - ii. Success ratesWithin each of the above data, you can aggregate by ethnicity, gender, age and a few other demographics.
  - b. Using Chancellor's Office Data mart:  
[http://datamart.cccco.edu/Faculty-Staff/Staff\\_Demo.aspx](http://datamart.cccco.edu/Faculty-Staff/Staff_Demo.aspx)  
You can look at faculty and staff breakdowns.
  - c. Using California's Postsecondary Education Commission:  
<http://www.cpec.ca.gov/SecondPages/DetailedData.asp>  
You can look at:
    - i. Freshmen Pathways (coming into COA)
    - ii. Transfer Pathways (transferring to 4-year university from COA)

2. You and your group must choose 1 set of data and create an excel table. The top of the tables should read

Years since 2000	Data you've chosen

3. Choose a presentation website that is not prezi, google presentations or powerpoint. Immediately, become familiar with how to use it.
  - a. Emaze.com
  - b. Powtoon.com
  - c. Haikudeck.com
  - d. Canva.com
  - e. Slides.com
  - f. Slidedog.com

### Putting into Excel

1. Put the data into an excel file, with both years since 2000 and the other data you chose. Title each column appropriately
2. Enter a table with the title of each column.
3. Highlight the whole table, including headings. Insert a scatter plot.

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4. Right click to add a linear trend line forecasting forward and backward 10 periods. (Under chart tools, select "layout", then select "trendline" button and then "more trendline options" at the bottom)
5. Right click the line and select format trendline. Select display equation in chart and move the equation off to the right.