



Honors Pre-Calculus College Project



Most of you have already or are getting ready to apply for colleges. There are so many options that are open to you so this project will help you narrow down your top choices. For this minor project, you will use MCDM (Multiple Criteria Decision Making) to help you to select the college that would be the best fit for you.

DUE DATE: Friday, February 21, 2020 at the beginning of class

Here is a review of the process you will apply to assist in making this important decision:

Steps	Descriptions for this Particular Decision
1. Identify Criteria and Measures (8 points)	Replicate Table 1.2.2 from the packet, using your own criteria and measures. You must have <u>at least four criteria</u> , and <u>at least two measures per criteria</u> (minimum of eight total measures).
2. Collect Data from each College or University (8 points)	Replicate Table 1.2.3 from yesterday's packet, choosing <u>at least three colleges or universities</u> to compare.
3. Find the Range of each Measure (16 points)	Replicate Table 1.2.4 and 1.2.5 from the packet, after creating reasonable scales for each measure, based on your own personal preference.
4. Rescale Each Measure to a Common Unit (8 points)	Replicate Table 1.2.6 from the packet, using your own data from 1.2.5, and accurately completing the mathematical computations.
5. Calculate Weights (24 points)	Replicate Table 1.2.9 from the packet. You may use Tables 1.2.7 and 1.2.8 as guides towards your completed Table 1.2.9.
6. Calculate Total Scores (8 points)	Replicate Table 1.2.10 from the packet. This will give you your final decision, mathematically.
7. Summary of your results (8 points)	Write a summary of your results from Table 1.2.10. Reflect on whether or not this was the result you were expecting, whether there are additional criteria and/or measures you would add, and your feelings about this process, in general. This portion should be a minimum of two paragraphs, and should be well-written.

Your final project should follow these guidelines:

1. Typed
2. Summary should be double-spaced
3. 12-point Times New Roman font
4. MLA style header with your name and page number (example: Marlowe 1).
5. Include a title page with the project title, course name, your name, and the date.

(All of these instructions followed is worth 20 points.)

