

Math 49x
Agenda: January 29, 2019

1. Government Shutdown Status Update
 2. Team Problem Statement Discussions
 3. Working groups
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Criteria for a professional description:

- 1) Clear and Concise single paragraph
- 2) All key terms defined
- 3) Well defined measurable goals.
- 4) Proper grammar and spelling
- 5) The research plan is not part of this.

Our task is to identify hydrologic events in the Nez Perce Clearwater National Forest by analyzing hydrographs. The hydrograph encompasses different types of data such as surface and groundwater flows, geology and geomorphology. A hydrologic event would be some variation that impacts this data. Our goal is to create a model that shows how hydrologic events affect the rivers in the area. Changes in dams, floods, and climate change are some of the events we expect to find in our analysis.

The YWCA would like to maximize the percentage of funding they receive from the community, including donors, volunteers and fundraisers, without decreasing grant funding. In other words, we need to figure out how to get the most funding from the community as possible while keeping the grant funding the same. We hope to use the data the YWCA provided in order to give them a better idea of what activities get the most donations. These activities range from having people sign up as members or the YWCA to simply thanking their donors. Potentially, that information will give the YWCA knowledge about which activities to implement and which activities need modifications.

We are working to solve the problem of measuring the effectiveness of the Hope at Work program by The Hope Center on helping its participants with financial stability, and as a second part, the success of the organization as a whole on helping the community with volunteer opportunities, employment, assistance for people in need, and environmental impacts. We are currently focused on the Hope at Work program, and we define its measurable effectiveness to be the number of people who find steady employment after completing the program, which is one of the criteria that both the first and second parts of the problem hope to accomplish. We are currently interested in knowing the amount of donations The Hope Center received, the cost of having a participant enrolled in the program per year, and the kind of tasks and jobs assigned to the participants.