Dana Center
Mathematics
P A T H W A Y S

In-Class Activity 1.A   Data for Life

This class is a community of learners. Having shared goals strengthens communities. Our shared goal for this course is to maximize the learning experience for everyone. To do that, we will begin by working together to collect data that will be organized and used later in the course. We will also reflect on activities that influence our learning.

1) Complete Question 1 on the Data Recording Sheet (Mandatory Categories).

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Objectives for the activity

You will understand:

☐ Data can be collected from many real-life sources and used for future mathematical study.

☐ Analysis of data can provide information to help make decisions about positive changes in your study habits and lives.

☐ Working together builds a positive learning community.

You will be able to:

☐ Collect data from your daily life.

☐ Work positively in a group to make a decision.

2) Now look at Question 2 on the Data Recording Sheet (Optional Categories). Rank the categories from most likely to affect your ability to learn (#1) to least likely to affect your ability to learn (#9).

Consensus is an agreement. It is not a vote. When we vote, some people win and others lose. With consensus, the group comes to an agreement that everyone supports.

3) Discuss your rankings with your group and come to consensus on your group's top three choices. A consensus means that you all agree. In a community of learners, everyone wins.

4) How did your group reach consensus?

5) Once the top three categories are identified by the class, record your own data for those three categories. Turn in the Data Recording Sheet to your instructor at the end of class. These categories will be used as data sets in future activities.

6) As we begin this course and create a positive learning environment, let's reflect on additional activities that positively affect your ability to learn. List three activities that have a positive effect on your learning in this class.

7) Now reflect on activities that negatively affect your ability to learn. List three activities that have a negative effect on your learning in this class.

8) List one action that you can take to minimize the negative effects of these activities on your learning.

9) Record your daily water consumption for the next 10 days on the Daily Water Consumption Data Table below. You will need this information for a later activity.

Daily Water Consumption Data Table

Day	1	2	3	4	5	6	7	8	9	10
Number of cups of water consumed per day										

Data Recording Sheet

1) Complete the following table.

Mandatory Categories	Your personal information
Height, expressed as a decimal in feet and inches (For example: 5' 7", which is about 5.58 feet)	
Number of hours you spend per week studying for math with other students outside of class (tutoring, study group)	
Number of hours per week you spend studying for math alone outside of class	
Number of hours per week you spend in math class	
Number of cups of water you consume per day	
Number of hours you spend per week commuting to work and school	

2) Consider the Optional Categories in the following table. Rate the categories from most likely to affect your learning (#1) to least likely to affect your learning (#9).

Optional Categories	Your Ranking	Your data on the top three categories chosen by the class
Number of alcoholic beverages consumed per week		
Number of caffeinated beverages consumed per week		
Number of servings of fruits and vegetables per day		
Number of servings of protein per day		
Number of hours exercising (e.g., walking, yoga, biking, sports) per week		
Number of hours using technology for fun per week (e.g., TV, email, video games, texting, Facebook)		
Number of hours working per week		
Number of hours sleeping per week		
Number of hours preparing meals and eating per week		