App Development 1
Community Survey Bar Chart Template

Sentiment is a view or attitude toward a situation or event; it's an opinion. Computer programmers have many ways to collect and analyze sentiment data that's collected from social media. Sentiment analysis uses computers to identify and categorize opinions expressed in text or on social media (posts, comments, etc.), especially in order to determine trends about the feelings of a given group: are they positive, negative, or neutral?

Gathering data about a community's opinions and sentiments is a good way to understand what is important to that community. Different people have different ideas, even if they're members of the same community. Surveys collect data to get a picture of a group based on responses from individual group members.

Use this handout to visualize the data you've collected about an issue affecting your community. Choose an issue and two questions to gather community sentiments on issue. For each question, share your survey and have respondents put a mark in the column that matches their opinion (or add in/tally the data you've tracked). Then, use the table to create a bar chart, a kind of data visualization.

Survey Name:_____

Issue: _____

Question 1:

_____

Question 2:

_____

Write responses to your survey below. Add more columns as needed to hold all the responses.

Name										
Question 1										
Question 2										

Sentiment Rating: 1 = _____   9 = _____

In computer science, sentiment refers to the attitude of a speaker or writer. This could refer to judgement or the emotional content of a message. We can use perceived 'importance'.

After you've filled out the data table, use it to make a bar chart of your community data.

Fill in the chart on the top with the sentiment rating from Question 1 and the rating from Question 2 on the bottom chart. You will be able to look for correlation between perceptions and sentiments.

Question 1			
9			
8			
7			
6			
5			
4			
3			
2			
1			

Ranges			

Question 2: Importance			
1			
2			
3			
4			
5			
6			
7			
8			
9			

Sentiment Rating: 1 = _____   9 = _____

Visualizing Data to See Trends:

To the right is an example of what your data might look.

Data visualized in this way is easier to compare.

Do you notice any patterns or correlations? For example, do strong feelings about something correlate with its importance? What might strong feelings and little importance suggest?

Food Health

Importance