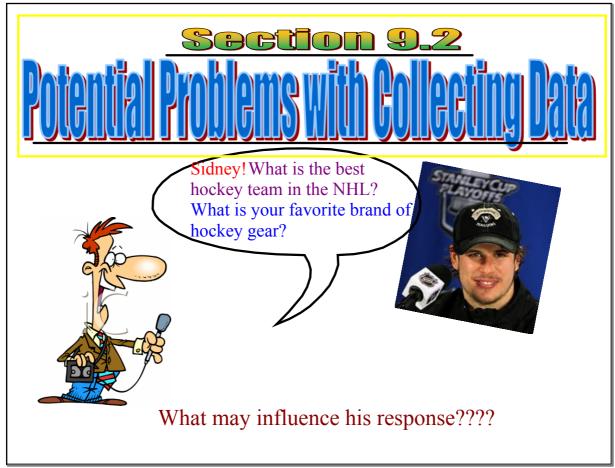
Curriculum Outcomes:

(SP 1) Describe the effect of: bias; use of language; ethics; cost; time and timing; privacy; cultural sensitivity on the collection of data.

Student Friendly:

What problems can arise when collecting data to calculate probability?

Feb 6-7:53 AM



1. Sidney Crosby | Pittsburgh Penguins | Center Yearly Endorsements: \$4,500,000

"Sid the Kid" is the face of the NHL and the most marketable player in the league. His endorsement with Reebok is the largest endorsement deal for any hockey player. Crosby also has endorsements with Gatorade, Bell, Sport Chek, Frameworth and Tim Horton's. If he can somehow top this performance, more deals may come his way.

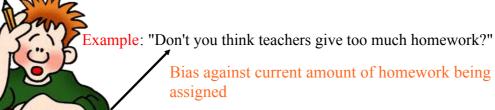


May 30-8:08 AM





The question influences responses in favor of, or against the topic of the data collection.



May 22-6:56 PM



The <u>use of language</u> in a question <u>could lead</u> people to give a particular answer.



The above questions may influence people to respond "ves"

"What do you THINK" is a better way to start a question?

May 15-7:46 AM



WHEN the data is collected it could lead to particular results







Surveyed During Summer Response : Baseball



Privacy

If the topic of the data collection is personal a person may not want to participate or may give an untrue answer.

Example: "Did you ever try drugs?"

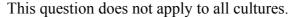


May 15-7:48 AM

Coloral Sensitivity

You are aware of other cultures. You must avoid being offensive and asking questions that do not apply to that culture.

Example: Which holiday is your favorite? Circle one of the following: Christmas Easter







Data is to only be used for the purpose that you told the participants. Otherwise, your actions are considered unethical.



Hi Mrs. Smith, this is Sally's teacher and I was informed today through Sally's survey you were having financial issues

May 15-7:47 AM



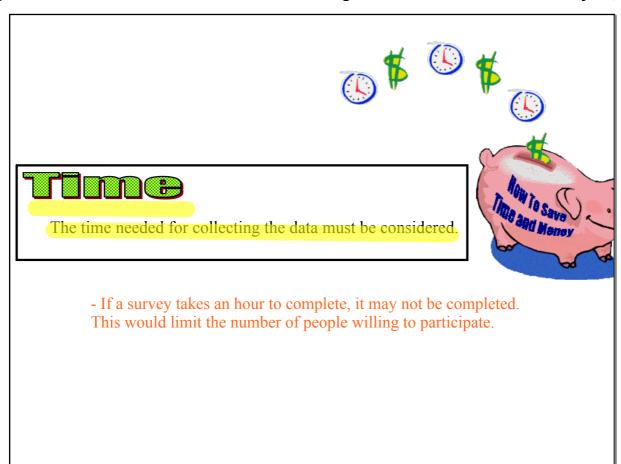


The cost of collecting data must be taken into account

- making questionnaires (printing/mailing)
- collecting data (people/gas)

may be more than you can afford





May 15-7:48 AM

ing and Eliminating Potential Problems

Example 1)

Explain why a problem may occur and the effect it would have on the results. Suggest how each could be avoided.

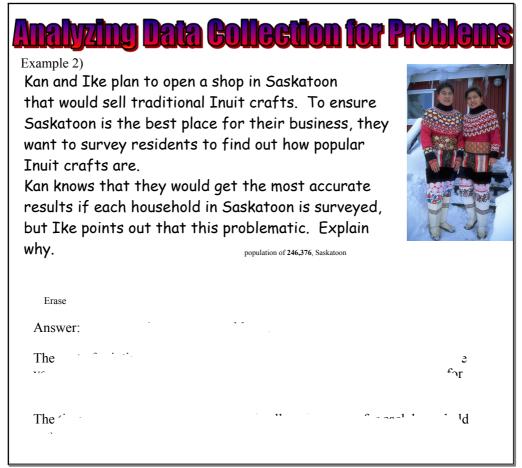
A survey is conducted to find out if citizens think the local government should provide more money for youth activities. The question asked was: "Would you support an increase in taxes to create more skated parks?"

Answer: Language use could be problematic. The question emphasizes what citizens would lose; that is, their taxes would increase.

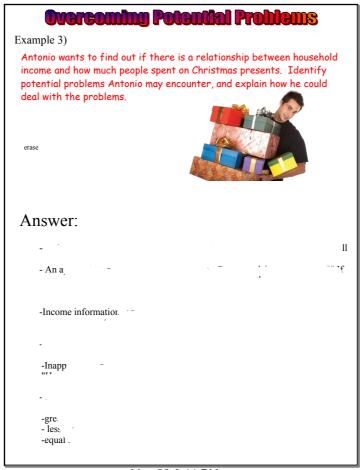
The question downplays what citizens would gain by only mentioning skate parks, instead of a varietty of activites.

Response would be swayed toward "yes"

Better Question "Do you think the local government should supply more funds for the youth recreational activities?"



May 22-9:00 PM



May 22-9:11 PM