Incorrect Sampling (318)
Why is this an example of faulty inductive reasoning?

PROBLEMS WITH DEDUCTIVE REASONING
Practice Exercise 1 (319-320)

All the arguments in this exercise are faulty. First, determine if the argument proceeds by inductive or by deductive reasoning. Then explain the error in reasoning in each argument.

1. The city of Seattle surveyed a thousand residents who regularly commute by bicycle to work. Nearly 75 percent of the bicyclists felt that the city should build no new freeways.

2. Heinrich at Plaza VW Motors repairs my Jetta. He’s German, and Germans are the best car mechanics.

3. Sue Jensen is against abortion. She must be a member of the National Pro-Life Coalition.

4. It’s no wonder the security personnel at Denver International Airport took a passenger aside for a more thorough search before allowing him to board my flight. He looked distinctly Middle Eastern.

5. I don’t see why people get so upset about small children seeing violent movies. Before the new codes went into effect, I took my seven-year-old nephew to see horror movies all the time, and he turned out all right. You don’t see him committing violent crimes!
6. A college instructor with five years of experience observes that students who sit in the front rows of a classroom get A’s and B’s, and those who sit in the back of the room get C’s or lower. He concludes that all college students should sit in the front of the room.

Practice Exercise 2 (326-329)

Using the information in the preceding section, study these examples and identify the emotional appeal each represents.

1. By the year 2030...

Appeal(s): ____________________________

2. The government should not have forced the Citadel...

Appeal(s): ____________________________

3. In 1999...

Appeal(s): ____________________________

4. Between February and March 2004...

Appeal(s): ____________________________

5. Letter to the editor...

Appeal(s): ____________________________

6. If God wanted homosexuals to marry...

Appeal(s): ____________________________

7. Clearly, the nation’s new “get-tough” welfare laws have wreaked havoc on recipients...

Appeal(s): ____________________________

8. Let’s face it. Sixty-five percent of the American people...

Appeal(s): ____________________________

9. In Spring 2001 President George W. Bush gave two speeches on national parks...
10. "Neoconservatives widely predicted an easy occupation...

Appeal(s): .................................................................

11. Paint store clerk to author...

Appeal(s): .................................................................

12. During the impeachment trial of President Bill Clinton...

Appeal(s): .................................................................

13. Drew Sheneman is the editorial cartoonist for the Star-Ledger...

Appeal(s): .................................................................

14. Letter to the editor (paraphrased)...

Appeal(s): .................................................................

LOGICAL FALLACIES: PART 1

Exercise 3 (332-334)

Study the following arguments carefully. Then decide which of these fallacies each argument represents:

1. The Lytton band of Pomo Indians has proposed building...

Fallacy: .................................................................

2. The voters of the Red River Valley should vote against Congressman Lewis when he runs...

Fallacy: .................................................................

3. The president of XYW Widget Company report...

Fallacy: .................................................................

4. Iran and North Korea are part of the Axis of Evil because their leaders are vicious.

Fallacy: .................................................................

5. Letter to the editor (paraphrased)...

Fallacy: .................................................................

6. Because having a common language is an essential requirement of any democratic...

Fallacy: .................................................................

7. I saw Madonna give an open-mouth kiss to Britney Spears and Christina Aguilera...

Fallacy: .................................................................
8. Sugar is dead…. Every that passes, and we do not allow farmers…
Fallacy: ________________________________

9. In 2002 Oregon’s Measure 23 asked voters to approve a single-payer or universal…
Fallacy: ________________________________

10. In August 1997 the Democratic National Committee was under investigation for…
Fallacy: ________________________________

11. As I see it, residents can deal with the threats of rolling electrical blackouts…
Fallacy: ________________________________

12. After Evansville allowed pornographic movie theaters and bookstores…
Fallacy: ________________________________

13. In an interview on ABC’s news magazine 20/20...
Fallacy: ________________________________

14. When a reporter asked actor Alec Baldwin about Bill Clinton’s sexual escapades…
Fallacy: ________________________________

LOGICAL FALLACIES: PART 2

Exercise 4 (337-339)

Study the following arguments carefully. Then decide which of these fallacies each represents:

1. A university fund-raiser routinely sent her personal mail…
Fallacy: ________________________________

2. If doctors are allowed to consult reference books…
Fallacy: ________________________________

3. Letter to the editor (paraphrased): For all those bleeding-heart liberals who gripe…
Fallacy: ________________________________

4. A dog breeder refused to reimburse a customer, who had purchased a pedigreed…
Fallacy: ________________________________

5. Letter to the editor (paraphrased) after the U.S. Supreme Court over-turned…
Fallacy: ________________________________
6. All this talk about conserving electricity and buying more fuel-efficient cars…

Fallacy: ____________________________

7. I don’t care whether file-sharing and swapping music online is wrong…

Fallacy: ____________________________

8. In 1996, a Massachusetts bill required, among other provisions, that tobacco companies…

Fallacy: ____________________________

9. The controversy over cloning human beings and using stem cells for medical research…

Fallacy: ____________________________

10. I don’t see anything wrong with using the office copy machine to make copies…

Fallacy: ____________________________

11. I’m opposed to those supermarket discount club cards. I don’t trust the supermarket…

Fallacy: ____________________________

12. In June 2002, the Ninth Circuit U.S. Court Appeals ruled the Pledge of Allegiance…

Fallacy: ____________________________

13. At crocodile hunter Steve Irwin’s reptile farm in Beerwah, Australia, Irwin outraged…

Fallacy: ____________________________

14. Letter to the editor (paraphrased): Concerning the prisoner abuse scandal at Iraq’s…

Fallacy: ____________________________

15. French scientists inserted jellyfish genes into a rabbit embryo to create a bunny…

Fallacy: ____________________________

**APPEALS AND FALLACIES IN ADVERTISING (341-343)**

The first is a billboard advertising Chivas Regal…

What claim is this advertisement making and what type of claim does it represent?

__________________________

__________________________

__________________________

__________________________

__________________________
Does the advertisement use an emotional appeal or a logical fallacy?

This second advertisement is a public-service billboard advertisement sponsored…

What claim is this advertisement making and what type of claim does it represent?

What evidence does the sign use to support the claim?

What is the ad advocating? Is its message clear?
Does the advertisement use an emotional appeal or logical fallacy?

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Practice Exercise 5 (344-346)

*Study these two billboard advertisements and then answer the questions that follow.*

A.

1. What is happening in the photo? What is the significance of what is happening?

-----------------------------------------

2. What type of claim is represented in this advertisement?______________________________

-----------------------------------------

3. Who is the audience for the advertisement?__________________________________________

-----------------------------------------

4. Comment on the slogan______________________________________________________________

-----------------------------------------

5. Is there any emotional appeal or logical fallacy evident in the advertisement?

-----------------------------------------
B.

1. What type of claim is represented in this advertisement?

2. Who is the audience for this advertisement? What clues in the ad help you determine your answer?

3. Comment on the shape of the bottle and on the design of the word “POM.”

4. What support or evidence is offered to reinforce the claim? Is there any emotional appeal or logical fallacy evident in the advertisement?
Practice Exercise 6 (347-348)

A.
1. What is the subject of this cartoon? ____________________________________________

__________________________________________________________________________

2. What thesis or argument does the cartoon embody? ______________________________

__________________________________________________________________________

3. What point of view does this cartoon represent? ________________________________

__________________________________________________________________________

B.
1. What is the subject of this cartoon? ____________________________________________

__________________________________________________________________________

2. What thesis or argument does the cartoon embody? ______________________________

__________________________________________________________________________

3. What emotion does the cartoon appeal to? ______________________________________

__________________________________________________________________________

BIAS AND OTHER DECEPTIVE TECHNIQUES (354-355)
Practice Exercise 7

1. Identify the bias in the editorial. ______________________________________________

__________________________________________________________________________
2. How is the bias conveyed? Look for examples of slanted language.

3. What point is Martosko making by comparing the soft-drink ban to other problems facing teenagers (dropout rates, teenage pregnancy, etc.)?

4. Does the name Center for Consumer Freedom have a positive or negative connotation?

5. Investigate this organization. Go to the World Wide Web and type in www.ConsumerFreedom.com Scroll down to the bottom of the page and on “About Us.” What does this group stand for?

Practice Exercise 8 (357)

Now answer these questions:

1. What is the primary claim represented in the graph? What type of claim is it?
2. Which state has the largest number of registered Latino voters in proportion to the number of Latino residents? ________________________________
Which has the least? ________________________________

3. What argument can be inferred from this graph? ________________________________
__________________________________________
__________________________________________
__________________________________________

4. What information is not included in the graph? What questions does the chart raise?
__________________________________________
__________________________________________
__________________________________________
__________________________________________
__________________________________________

5. Is there any evidence of bias in this chart?
__________________________________________
__________________________________________
__________________________________________
__________________________________________
__________________________________________

Slanting (360)
Which question is designed to elicit the most favorable response?
__________________________________________

Which question is designed to elicit a slightly less favorable response?
__________________________________________

Which question is designed to elicit the most negative response?
__________________________________________