

Contradiction Errors in Reasoning

Definition: A contradiction error says the opposite of what has already been stated in the argument.

Example: All automobiles should be charged a special carbon tax. This includes electric vehicles. Everyone should pay a fair share to prevent climate catastrophe.

Explanation: In this line of argument electric vehicles, which produce no carbon, are included in this proposed tax for carbon-producing automobiles.

Practice

Skateboarding remains a controversial sport in many ways. It is the safest of all individual sports. Skateboarding injuries account for more hospital visits than any other sport.

Explain the Contradiction Error: _____

Application

Write a topic sentence on a subject of your choice with supporting evidence and analysis which includes a contradiction error in reasoning. Explain the contradiction error.

Topic Sentence: _____

Evidence: _____

Analysis with Contradiction Error: _____

Explain the Contradiction Error: _____

Errors in Reasoning Practice Answers

Synonym Error: The writer substitutes *dictatorship* for *undemocratic*. However, not all undemocratic forms of government are the same as dictatorships.

Non Sequitur Error: The conclusion that “the sky must be made of ocean water” does not follow logically from the facts presented.

Red Herring Error: The statement “the world has always had its share of poor people” attempts to distract the reader from the issue of poverty as the most important world problem.

Unsupported Generalization Error: The fact that specific children who have blonde hair are good athletes does not justify the broad generalization that “All blonde children excel at sports.”

Poisoning the Well Error: The president’s argument that reducing taxes will encourage taxpayers to spend more money is weakened by the comment that all leading economists have criticized the plan.

Cause and Effect Errors: Sneezing after a commercial is a matter of coincidence. Commercials do not cause sneezing. There is no logical cause-effect connection.

Begging the Question Errors: The statement assumes an advisory document requires homeowners to agree to the advice.

Either-Or Errors: The statement ignores other options that true Americans might choose.

Comparison Errors: The price of tea and gas are unrelated issues and cannot be compared.

Questionable Authority Errors: In the first example, the expert is non-specific. In the second example, a mathematician is not an expert in matters of love.

Contradiction Errors: Skateboard injuries contradict the claim that the sport is completely safe.

Inconsistency Errors: The arguments that children should be required to wear helmets while riding bicycles, but not while in-line skating, are not in agreement.

Omission Errors: The fact that the Folsom High School Band is the only band in the city has been omitted.

Oversimplification Errors: This oversimplification ignores the complicated components such as baseball strategy, substitutions, and statistical probability.

Sampling Errors: Only about 20 dentists were surveyed as part of the sample group—hardly enough people upon whom to base a conclusion that “three out of every four dentists recommend flossing three times per day.”