

Homework 10

Analysis of Arguments

1. Read Chapter 1 of <http://www.iep.utm.edu/argument/>

Here are five excerpts from papers you have read in this course. Most (but not all) of these contain arguments. Identify the premise P and conclusion C in the arguments.

"The criterion of falsifiability is a solution to this problem of demarcation, for it says that statements or systems of statements, in order to be ranked as scientific, must be capable of conflicting with possible, or conceivable, observations." (Popper)

"Interestingly, the software industry is beginning to value experiments, because results may give a company a three- to five-year lead over the competition." (Tichy)

"Because articles contain so much information, it may be difficult to distinguish the main points of an article from the subordinate points." (Purugganan et al.)

"The objection that computing is not a science because it studies man-made objects (technologies) is a red herring." (Denning)

"The clinical trial would be unethical and possibly illegal in the US and other industrialized nations because AZT is a standard treatment for HIV/AIDS in these countries." (Resnik)

2. Study the 24 examples of logical fallacies on <https://yourlogicalfallacyis.com/>

Which logical fallacy does the following argument demonstrate?

"What was the idea behind having 12 dilemmas? Why not have fewer dilemmas and promote deeper discussion?" (anonymous student)

Handing in your solution

Please save your solution as a pdf file and hand it in on the peergrade page. Do not write your name in the pdf file.

Peer grading

You will be asked to review the homework of three other students. Your own solution will also be checked in this way.

Your teacher will read your submission and report the result in rapp.