

PHI1600: Basics Cheat Sheet

by rdechant via cheatography.com/34738/cs/10899/

Logic

•Definition: [definition]

•Goal: [definition]

•Purpose: [definition]

Arguments, etc.

•Argument: [definition]

•Premises: [definition]

•Conclusion: [definition]

Reasoning

•Inference: [definition]

Style: [definition]Efficacy: [definition]Justification: [definition]

•Rationality: [definition]
•Rational: [definition]
•Irrational: [definition]

Statements

•Content: [definition]

•Force: [definition]

•Expression: [definition]

Styles of Inference

Deductive:

Inductive:

Deduction

Induction

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Dimensions of Reasoning

•Inferential: the varying inferential relations premises and conclusions stand in when connected together via reasoning

•Representational: the varying degrees of accuracy statements exhibit when connected with reality via assertion and belief

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Norms of Reasoning

Rationality: norm for evaluating the inferential dimension of arguments

Rational: premises successfully justify the inferred conclusion

[positive inferential "value"]

Irrational: premises fail to justify the

inferred conclusion

[negative inferential "value"]

Accuracy: norm for evaluating the representational dimension of arguments

True: positive inferential "value" Irrational: negative ver "value"

Inaccurate: statement successfully

[positive representational "value"]

False: statement fails to veridically represent the actual facts

[negative representational "value"]

Recognizing Statements

1. Indicator Words

2. Common Types of Non-Statement

- · Commands
- · Proposals
- · Requests

Recognizing Arguments

- 1. Indicator Words
- 2. Logical Order
- 3. Background Context
- 4. Common Types of Argument
- 5. Common Types of Non-Argument

Assessing Validty

Form & Substitution

Not published yet. Last updated 15th February, 2017. Page 1 of 1.

Assessing Validity, Pt. 2

Conditional Statements

Common Non-Arguments

•[definition]

- Advice
- Assertion
- Description
- Explanation
- Exposition
- Illustraction
- Reporting
- Quotation
- Warning

Validity vs. Strength: Similarities

- 1. Both depend on whether the truth-conditions of the premises and the truth-conditions of the conclusion are correctly related.
- 2. Neither depend on the actual true-value of the premises or the conclusion.

Validity vs. Strength: Differences

- 1. Only deductive inferences can be valid/-invalid, and only inductive inferences can be strong/weak.
- 2. When the premises in a valid argument are all true, it's *impossible* the conclusion is false. When the premises in a strong argument are all true, it's only *improbable* the conclusion is false.
- 3. Validity is all-or-nothing, but strength is a matter of degree.

1.

For strong arguments, when

it is still For strong arguments, even if the premises are true, the conclusion can s9ll be false.

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