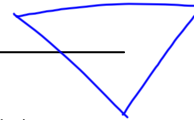


Reasoning:

3 main types:

- Deductive
- Inductive
- Informal



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Deductive Reasoning

Reasoning from general to particular

More certain, but less informative than induction

Example:

All metals expand when heated

Iron is a metal

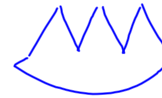
Therefore Iron expands when heated

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Inductive Reasoning

Reasoning from particular to general

More informative, but less certain than deduction



Example:

Iron expands when heated, Zinc expands when heated,

Copper expands when heated.

Iron, Zinc, and Copper are metals

Therefore all metals expand when heated

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Syllogisms:

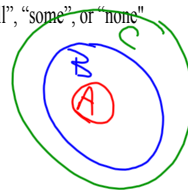
- 1) Two premises and one conclusion
- 2) Three terms, each of which occurs twice
- 3) Qualifiers such as "all", "some", or "none"

Example:

All A is B

All B is C

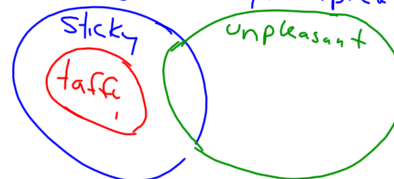
Therefore all A is C



All taffy is sticky

Some sticky things are unpleasant

Therefore some taffy is unpleasant



People from Boston are unfriendly

He's From Boston

∴ He's unfriendly

In Asia the best schools = best BxB

Your school has the best BxB team

Your school is the best in Asia