

Syllogistics I

1. Identify the subject and predicate terms, and indicate the form of the proposition (i.e. SaP, SiP, SeP, or SoP).
Option. State whether the terms are distributed or undistributed.
 - (a) Some politicians are not men of distinction.
 - (b) No angel is mortal.
 - (c) All angels are immortal.
 - (d) Some philosophers are quite funny.
 - (e) Some philosophers do not write in a lucid style.
 - (f) All beefburgers contain horsemeat.
 - (g) Nobody who has eaten horsemeat has noticed a thing.
 - (h) Some politicians disappoint voters.
 - (i) Nobody who disappoints voters drinks tea.

2. Given that *S* stands for philosophers and *P* stands for logicians, formulate all four categorical statements.
Options. Using the square of opposition, add some derivations. Using the table on Handout 9, create some direct arguments.

3. Which direct inference is true given that the first proposition in each set is true?
Option. Draw Venn diagrams for all or some cases.
 - (a) All philosophers are smart.
 No philosophers are smart.
 Some philosophers are smart.
 Some philosophers are not smart.
 It is not the case that some philosophers are not smart.
 - (b) No animals with horns are carnivores.
 Some animals with horns are not carnivores.
 It is not the case that some animals are carnivores.
 Some carnivores are not animals with horns.
 No carnivore is an animal with a horn.
 - (c) Some cats climb trees.
 No tree-climber is a cat.
 Some non-tree-climbers are not cats.
 It is not the case that all cats climb trees.

4. If 'All socialists are pacifists' is true, which of these propositions is true too?¹
 - (a) Some non-pacifists are non-socialists.
 - (b) No socialist is a non-pacifist.
 - (c) No non-pacifists are socialists.
 - (d) All pacifists are socialists.

¹ From Copi, I. M. (1972). *Introduction to Logic*. New York: Macmillan (p. 166).

