

CHAPTER OVERVIEW

5: Logic

Logic is, basically, the study of valid reasoning. When searching the internet, we use Boolean logic – terms like “and” and “or” – to help us find specific web pages that fit in the sets we are interested in. After exploring this form of logic, we will look at logical arguments and how we can determine the validity of a claim.

The material in this chapter is from [Math In Society](#) by David Lippman.

- [5.1: Logic Statements](#)
- [5.2: Truth Tables- Conjunction \(and\), Disjunction \(or\), Negation \(not\)](#)
- [5.3: Truth Tables- Conditional, Biconditional](#)
- [5.4: Equivalent Statements and Variations of the Conditional](#)
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