The Toulmin Model

Claim or Conclusion: the position being argued for; the conclusion of the argument
Grounds, Reasons, or Facts: reasons or evidence that support the claim
Warrant: the connection between the grounds/reason and the claim, the underlying assumption that must be true for the claim to be logical, rarely explicit

Argument based on Generalization
Assumes that what is true of a well chosen sample is likely to hold for a larger group or population, or that certain things consistent with the sample can be inferred of the group/population.

Argument based on Analogy
Extrapolating from one situation or event based on the nature and outcome of a similar situation or event. Has links to 'case-based' and precedent-based reasoning used in legal discourse. What is important here is the extent to which relevant similarities can be established between 2 contexts. Are there sufficient, typical, accurate, relevant similarities?

Argument via Sign/Clue
The notion that certain types of evidence are symptomatic of some wider principle or outcome. For example, smoke is often considered a sign for fire.

Causal Argument
Arguing that a given occurrence or event is the result of, or is affected by, factor X.

Argument from Authority
Does person X or text X constitute an authoritative source on the issue in question? What political, ideological or economic interests does the authority have? Is this the sort of issue in which a significant number of authorities are likely to agree on?

Argument from Principle
Locating a principle that is widely regarded as valid and showing that a situation exists in which this principle applies. Evaluation: Is the principle widely accepted? Does it accurately apply to the situation in question? Are there commonly agreed on exceptions? Are there 'rival' principles that lead to a different claim? Are the practical consequences of following the principle sufficiently desirable?

Backing: support, justification, reasons to believe the warrant

Rebuttal/Reservation: exceptions to the claim; description and rebuttal of counter-examples and counter-arguments

Qualification: specification of limits to claim, warrant and backing
Fact: Rick has fair skin, red hair and freckles, and he sunbathed all day yesterday.

Warrant: People with fair skin, red hair and freckles usually get sunburnt easily.

Backing: Those people have little melanin in their skin. Melanin protects against sunburn.

So (probably): Rick will probably get seriously sunburnt.

Rebuttal: Rick's parents both have fair skin, red hair and freckles, and they never seem to get sunburnt however much they sit outside.

Conclusion: unless