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## Modeling Meaning Dyadically

### Meaning through relations

Something can mean something else. In order to derive further meaning about something, we need to relate it to what it means. The potential arbitrariness of these relations infers that anything can mean something else if it is related to mean so. To interpret something toward an alternative meaning would be to interpret it as a **sign**. Different interpretations of the same information could conceive different signs; different meanings. This interpretation process is known as **signification**. If signification is paramount to meaning-making, we will begin our pursuit by formally modeling the sign.

### Dyadic foundations

Early conceptions of the sign consisted of two parts: the **sign-vehicle** and its **meaning**. Philosophers have not always been clear about the ontology of these two relata. The potential physical and psychological instantiations of each need formalized within our model. If meaning can be reinterpreted again as a sign-vehicle of another sign then the process of signification could continue. If this were indeed the case, then the content of any two relata could take either form depending on their relation within a sign. This would in turn affect the ontological properties of each.

### Addressable questions

Our initial description of sign begets further questions that a model will need to address.

- how are relations formed to make signs?
- are relations directional, bidirectional, or directionless?
- are relations binary?
- how are signs related to form further signification?
- through signification, what does immediate self-referential meaning imply?
- through signification, what does non-immediate cyclic meaning imply?
- when does signification terminate?

## Saussure's Model

Ferdinand de Saussure's model of a sign is a further conceived starting point for meaning-making. The original conception was an evenly split circle. Each slice is labeled differently as **signifier** and **signified**. Arrows are drawn on each side showing a bidirectional relationship. The entire drawing is itself the sign. The signifier is similar to the sign vehicle conceived earlier. Meaning has been changed to the signified; the concept pointed to by the signifier. They are said to be inseparable relata that together form a sign. From Saussure's perspective, both the signifier and the signified were purely psychological.

## Extension of Realms

## Interpretation Results