

First abstract setup: two random variables: X and Y

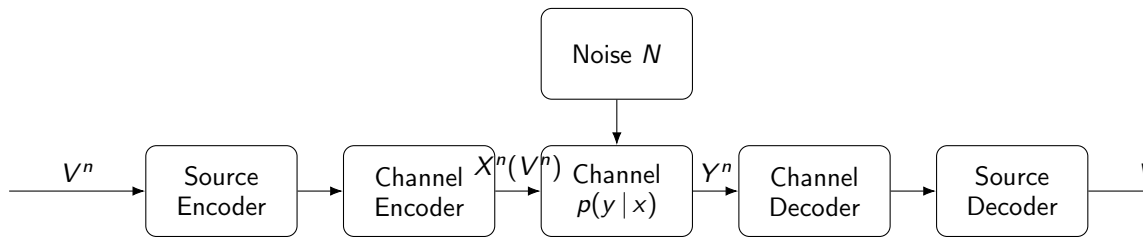
Let X - "Source" and Y = "Destination" be two random variables ranging over collections.

There can be interpreted in many ways, here Source will be an external source having some variability (entropy) and Destination a collection of possible objects, such as types, actions, etc.

In any abstract setup there always is symmetrical

Shannon pipeline with source and channel coding separation

The Shannon pipeline with source and channel encoding / decoding parts: communication model



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