

Theoretical Model: Perceptual Processes to Categorize Interpret and Cognitive Biases.

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- **Abstract:** Many researchers have theorised, researched, and experimented with cognitive biases, and have classified many of them. This list will continue to grow as long as cognitive biases are important in study and assessment. Until these biases were remembered, there were over a hundred seventy-five prejudices, each with its own expertise, kind, and disintegration of parallels and overlaps. The study is an effort to provide fresh theoretical knowledge and interpretations of cognitive biases as they relate to the cognitive process as a whole. Our sensory systems are what keep us informed about the world around us. By using these data, we are able to engage with our surroundings and communicate with people in order to remain healthy, preserve social connections, and avoid potentially dangerous situations. We can't keep up with all of the information accessible to us at any one moment, and even if we could, we'd be overwhelmed. Every day, we'll make a slew of snap decisions by relying on cognitive shortcuts and strategies. Due to the abbreviations, we may make "exact enough" judgements that are often correct. However, cognitive biases are to be expected. It is possible that I have created over one hundred seventy-five lists that try to depend on cognitive biases (decision-making biases, social biases, reminiscence errors, and many others.). There are a lot of duplicates in those listings, as well as a lot of biases in content with unique names that are identical. As Aristotle became the main to record reasoning errors in a systematic manner, the capacity to refute an opponent's argument has gained importance and looks at since the birth of Greek philosophy. He found 13 logical fallacies in the inferences he made. To far, theoretical research has provided a new understanding of cognitive biases, allowing researchers to classify those biases and, as a consequence, better address those biases in practical research in a way that eliminates the oddity in the way biases overlap. For cognitive psychology research that integrate cognitive psychology theories into programming and algorithms for robot interaction, this knowledge and categorization is more helpful and easier to implement since it incorporates pc programming.
- **Keywords:** perceptual processes, Cognitive biases, logical fallacies