

# **Summary of PhD Thesis**

**Name:** Mohammed El Saied Ahmed Dwear

**Title:** The Subjective and Objective Levels of Explanation in The Theories of Probability "A Study in Philosophy of Science"

The Thesis "The Subjective and Objective Levels of Explanation in The Theories of Probability "A Study in Philosophy of Science" consists of an introduction, five Parts, a conclusion, a list of the main concepts and a bibliography. An introduction: the problematic, method, contents, and the difficult of study.

**The First chapter:** The theoretical Fundamental of Probability, consists of three parts, part one discuss terms subjective, objective and explanation. part two, The different concepts of probability.

**The Second chapter,** The Subjective of Explanation of probability, It consists of three parts, part one, probability: The scientific fundamental of concept,. Part two, the psychology Explanation of probability. part three, the logical of Explanation of probability at Carnap.

**The Third chapter:** The Classification Objective of Explanation of probability, consists of five parts, part one, the Objective of Explanation,. part two. The Explanation of Probability at Russell.P., part three, The frequency theory at Reichenbach. part four, Probability and theory truth at Frank. part five, the epistemology concept of Probability at William Kneale

**The fourth chapter:** Epistemology concept of probability consists of three parts. Part one, Relation Frequency at Von Mises, discuss the concept of Collective .Part two, Popper: from epistemology to probability. Part three, the epistemology of Explanation of probability.

**The Fifth Chapter:** probability and theory of science, discuss that whenever historians write about dramatic changes in the modern age

**The Conclusion** contains the main results of the study.