

Abstract

The Semantic Context in The Scientific Explanation

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Some philosophers of science believed for a long time , that the main objective of science was explanation of natural phenomena. As well as, they believed that the success of scientific theories depends on the ability of them to provide an explanation for the natural phenomena and events. However, this belief has raised many questions especially those concerned the nature of scientific explanation, and the relation between explanation and understanding, and the role can be played by the laws and theories to validate or refute a scientific e explanation. As well as the role that can be played by the semantic context in the scientific explanation. So this paper concerns with the question : Is the explanation in science bases on formal deductive logical model or the linguistic/semantic context? In other words, can we have a scientific explanation isolate from the linguistic/semantic context?