Popper's Response to the Problem of Induction

Rejects Induction as a Source of Justification

Rejects as Irrelevant Descriptive Account of Theory Generation

Any Attempt to Justify Inductive Principles Must Itself Be Inductive, Leading to Infinite Regress

There is No Logic of Discovery

Doubts That There Is Any Systematic Description to Be Had

Even a Systematic Description Would Be Irrelevant to Question of Justification

At Best, Description of Theory Generation Is a Task For Psychology

Popper's Response to the Problem of Induction

Asserts Falsificationist/Deductivist View of Theory Test and Refutation

What's Deductively Testable?

Failed Prediction Deductively Refutes Theory

Corroboration Does Not Inductively Support Theory—It Does Not Imply Future Success

We Should Subject Our Theories to Severe Testing and Prefer the Theory Which Has Survived The Most Stringent Critical Discussion and Test

Corroboration Does Not Inductively Support Theory—It Does Not Imply Future Success

Successful Prediction Only Builds a Record of Corroboration

Internal Consistency

Testability

Novelty and Improvement

Experimental Test

Science is process of Conjectures and Refutations

We Should Subject Our Theories to Severe Testing and Prefer the Theory Which Has Survived The Most Stringent Critical Discussion and Test