Response 2
Science Theory and Research Methodology
DD2205

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The chapter on Frege where about the conceptual milestones in the development of formal logic. Going from using the language with common sense to an algebra for logic reasoning with a strict set of rules for deduction and reasoning.

The more abstract logical process from introducing strict concepts such as quantifiers($\exists, \forall$), truth functions, variables and predicates resulted not only in a less error-prone process but it makes room for more advanced handling of logic since the actual logic problem do a pop-out.

Also with the set of rules from the algebra it's easier, shorter and less error-prone to do inferences. These advantages resulted in the development of widely different scientific fields using this more formal logic instead of reasoning with sentences.