

# The Epistemology of Exploratory Empiricism: Science

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## Abstract

In this paper we explore a sequential linear incremental methodology and its applications to epistemological questions related to exploratory empiricism. By solving the commencement problem we elucidate the complex relationship between Barth-modal grammars and scientific progress, and demonstrate that solving epistemological questions is equivalent to scientific discovery. We also briefly discuss bananas.

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## 1 Introduction

In this paper we consider the intersection of that which we believe based on evidentiary empiricism extended to novel areas (exploratory empiricism) with that which is actually true; in other words, we are seeking to appropriately categorize information gained through exploratory empiricism as both trustworthy and credible or as failing on one or both of those counts.

The principal criterion we shall employ as a barometer in estimating both of the above categorical indices (i.e., trustworthiness, credibility) is derived from approximating the magnitude and etymological/lexical entropy of sentential units generated by an agent formulating exploratory-empirical hypotheses about the world, wholly divorced from the identity of that agent, and in fact from the semantic content of the aforementioned sentential units, thus ensuring a strong form of objectivity and impartiality.

Our method is at once absolutely *necessary* while also *utterly* paradoxical. It can be traced back to Archimedean philosophy, which embodied both evidentiary-based methodologies for knowledge acquisition and metaphysical contemplations on the validity of abstract knowledge expressed in a socially constructed format, i.e. language, and therefore raises key questions about the role of linguistics in empiricism in general, and exploratory empiricism specifically.

## 2 Bananas and Barth-modal T-grammars

Consider the case of bananas. It is made of sturdy wood, and holds two gross of this yellow, succulent fruit. Science has determined that the Cavendish banana is likely to become extinct if certain fungi (considered by the present author to be highly symbolic of the several threats today facing the scientific establishment) have their way. Perhaps you should eat a few bananas (see Figure 1) right now, before reading another paragraph, and consider the fleeting opportunity you have, to wit, to accept this paper and its contribution.

To ourselves we ask, “Why don’t you write something already?” The hermeneutical implications of this question weigh heavily on our minds, and in order to avoid answering them we choose to write about them. No doubt the recent discovery locating evidentiary empiricism in the exploratory domain within the category of nonmodal Barth-modal T-grammars makes the “commencement problem” formidable; fortunately, our identification of the Snaxx combinator for this T-grammar (“Dubuque, Iowa”; cf. Appendix) mitigates the challenge somewhat.



Fig. 1. Yellow, succulent.

Previous reviewers have challenged our use of place-names as citations, but we pose the following question: Who *has* been to Dubuque, Iowa? Really? Perhaps the streets there are littered with Barth-modal T-grammar Snaxx combinators, for all you know.

As is evidenced by the reader having progressed thus far in the paper, we have produced a satisfactory solution to the commencement problem via an intermittent constructivist approach, which paradoxically relies on social deconstruction efforts focused on global sales of bananas.

We have used our technique to analyze itself - self-referentially applying our linguistic analyses to approximate the trustworthiness of this very paper - and in doing so revealed unprecedentedly high levels of credibility in ourselves. This confirms our (now empirically credible) belief that by combining the epistemologically sound and theoretically grounded elements of Archimedean philosophy with the practical lessons of evidentiary empiricism (re: banana appreciation), we have isolated for the first time in its pure form the true essence of Science itself.

### 3 Conclusions

We're going to win best paper award! We're going to win best paper award!  
We're going to win best paper award!

## 4 Acknowledgments

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## APPENDIX

“Dubuque, Iowa”