

The Morality of Arbitrage

Tyler J. Brough *Utah State University*

In this paper, I argue that one cannot rationally believe that financial arbitrage is an inherently immoral pursuit, while simultaneously believing that the pursuit of academic knowledge is an inherently moral pursuit. I argue that these two seemingly separate activities are really one and the same. Further those that do hold such contradictory beliefs are behaving incoherently and have a Dutch book made against them.

Keywords: arbitrage, Dutch books, morality

Introduction

[T]he shipper who earns his living from using otherwise empty or half-filled journeys of tramp-steamers, or the estate agent whose whole knowledge is almost exclusively one of temporary opportunities, or the *arbitrageur* who gains from local differences of commodity prices, are all performing eminently useful functions based on special knowledge of circumstances of the fleeting moment not known to others. – F.A. Hayek

In this essay I follow the lead of [Coase \(1974\)](#), and examine the very common differential treatment of the market for goods and the market for ideas.

The plan of this paper is as follows: section 2 introduces Coases's original argument, and his conclusion that their different treatment is incongruous; section 3 discusses the view in [Hayek \(1945\)](#) that the essential nature of the economic problem is one of the utilization of knowledge. For Hayek, the economic process is an information process and markets can be seen, using the modern parlance, as information systems. There is thus no justification for the differential treatment of goods and ideas; section 4 introduces the concept of subjective probability following [de Finetti \(1937\)](#), as well as the Arbitrage Choice Theory outlined in [Nau \(1999\)](#); section 5 explains, as essential background, the Dutch Book Theorem; section 6 gives a few chosen examples of scholarly debates framed as Dutch Book arguments; section 6 frames Coases's original argument as a Dutch Book argument; section 7 concludes.

The Market for Goods and the Market for Ideas

The Use of Knowledge in Society

Arbitrage Choice Theory

The Dutch Book Theorem Explained

Examples of Dutch Book Arguments

Coase's Dutch Book Argument

Conclusion

References

- Coase, Ronald H. 1974. "The Market for Goods and the Market for Ideas." *The American Economic Review* 64(2):384–391.
- de Finetti, Bruno. 1937. Foresight: Its Logical Laws, Its Subjective Sources. In *Studies in Subjective Probability*. Robert Krieger pp. 53–118.
- Hayek, F A. 1945. "The Use of Knowledge in Society." *The American Economic Review* 35(4):519–530.
- Nau, Robert. 1999. Arbitrage, Incomplete Models, and Other People's Brains. In *Beliefs, Interactions, and Preferences in Decision Making*. Kluwer Academic Publishers.