

Propositions

attached to the thesis

Supply Chain Coordination with Separating and Pooling Contracts

Zahra Mobini Dehkordi
Erasmus University Rotterdam
Thursday 6th of October 2022 at 15:30

I

In contracting situations where it is not feasible to derive closed-form solutions, mathematical programming techniques are suitable alternatives, given that (in most cases) they are not compromised by imposing additional constraints or considering more general functions.

(Chapters 2-4)

II

Using a network interpretation for the set of incentive constraints, the problem of designing a contract menu can be related to the dual of a shortest path problem, making the derivation of results easier and more intuitive.

(Chapters 2-4)

III

Supply chain members with multidimensional private information can sometimes benefit from revealing some of that information.

(Chapter 2)

IV

Taking into account factors such as contract administration complexities, transaction costs, and behavioral aspects, a contract designer may favor a non-coordinating but simple contract that achieves sufficiently high efficiency over a coordinating but complex contract.

(Chapters 3 and 4)

V

In pooling contract menus, the contract designer will benefit from incentivizing the less efficient types to distinguish themselves.

(Chapters 3 and 4)

VI

Even though “all models are wrong,” they can be useful approximations of the real-world system they imitate.

VII

It is highly unlikely that an “optimal solution” derived from a theoretical model will be implemented as is; it will, at best, provide insights that can guide a practitioner’s decisions.

VIII

Operations management could not have reached its current state as a discipline without the contributions of other fields, especially economics.

IX

Academic institutions should ensure that they offer not only a high-quality education, but also an environment in which all students can feel understood, valued, and have the chance to contribute their unique perspectives.

X

By traveling to new places, we can discover new horizons beyond our wildest imaginations.

XI

“Sell your cleverness and buy bewilderment. Cleverness is mere opinion; bewilderment brings intuitive knowledge.”

Rumi