

INDUSTRIAL ORGANIZATION AND
THE ECONOMICS OF BUSINESS STRATEGY

by

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1. Introduction

The original contributions of the field of industrial economics or industrial organization, IO hereafter, are situated just before the Second World War. The pioneers of IO used very simple theoretical models and detailed case studies. The main focus was on the analysis of industries. The idea was that it is often not possible to achieve perfect competition, and moreover it may not be desirable. Likewise monopoly often has, except in special circumstances of natural monopoly, more economic disadvantages than advantages. A search was launched for the lines of structure and conduct that could define a window of workable competition, with better economic performance. An important underlying idea was that competition policy cannot be left to politics alone. There exist sound and robust economic reasons why certain windows of structure and behavior are better than others. The main task of the field of IO is to find, explain and apply those reasons, taking into account the relevant legal and economic policy environment (Carlton and Perloff (2005)). And today the mainstream IO is still traveling this very important road. A related branch tries to analyze the economic and political rationality of government regulation and non market strategies of firms (Baron (2003)).

From 1980 on, scholars at the Harvard Business School began to employ IO inspired thinking and analysis to understand and to develop market strategies (Porter (1980, 1988)). Such strategies are focused on achieving sustainable economic profits in competitive environments. Business strategies can of course develop along several routes and the IO based approach has to share influence with many other disciplines, such as strategic management and organizational behavior. Five competitive forces were identified originating from the rivalry between existing competitors, the threat of entry and substitutes, and the bargaining with suppliers and customers. The idea was that better insights into the structure and conduct of relevant competition would help to identify generic profit enhancing strategies, such as low cost and differentiation. This approach was a step forward compared to popular portfolio matrices or learning curve strategies, that were either silent on the link with the competitive environment or employed a too simple framework (Ghemawat (2001)). The IO inspired approach to strategy is alive and well. It is particularly strong in providing a better logic to competitive market strategies, taking into account the complexity of the environment and the organization of the firm (Besanko et al (2000)).

The applications of IO have grown, but so have the employed methodologies for theoretical analysis and empirical verification. The intention here is not to present an overview of the vast and expanding contributions. The idea is simply to draw the attention to some striking tendencies, prospects and problems of the field of IO as a source of inspiration for competitive business strategies. The focus will be on credible market strategies, coping with asymmetric information, and detecting not so obvious possibilities. Problems that will be discussed concern the high requirements on rationality, the low operational impact of some contributions and the lack of robustness.

consumer switching costs will have lower price elasticity in the mature phase. But prices in the initial phase will have to be lower to generate sufficient base of locked in clients. It may even be possible to price below cost in the first phase, as the second phase allows a price above cost ("bargain followed by rip off"). Very high switching cost act as a classic barrier to entry. New entrants have to set a too low price to overcome the difficulties of switching and this may prevent recouping sunk costs. But moderate switching cost may encourage entry, because post entry profits are expected to be higher in the mature phase. This is because incumbents will react less aggressively in response to entry, while the size of entry is likely to be small, since it has to focus on a limited segment of customers that are not locked to the incumbent.

It thus became possible to understand better the rationale of a wide set of business strategies and tactics. Dynamic strategies on capacity choice, for example, have fruitfully been applied through the careful and detailed study of cases and game theoretic analysis. At the same time it also became clear why non price strategies, such as excess capacity, very often will not be used in a strategic manner. With large-scale entry, for example, the incumbent may lose a lot. Building excess capacity to credible signal a price war may be justified and entry may be forestalled. But business strategies focused on pre-emption tend to be unwise with rapid or uncertain growth of demand, or when capacity can easily be deployed elsewhere, when a small scale entrant has little cost disadvantage, or when the incumbent can easily expand output ex post. They tend to be a better idea with natural monopoly situations, slow growth in demand, low uncertainty, irreversible investments, and first mover advantages because of a head start and learning curve tendencies. All in all successful pre-emption tends to be relatively rare (Lieberman (1987)).

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