





### **INDUSTRY (1)**

Based on firms, the market is divided in **SECTORS** (INDUSTRIES)

Industries are characterized by product category and/or technological homogeneity.

It is not necessarily a physical place, but it is a virtual arena to define boundaries of competition.

Different groups can be obtained based on the level of homogeneity.

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However, the above definition can be misleading if we want to determine the boundaries of the competitive arena. So we should look at the demand as two firms marketing two products/services that satisfy the same need/want should be considered as belonging to the same competitive arena. For this reason, we should enlarge the sector to include firms of substitute product. (Example: Alcoholic beverage producers) *Prof. Paolo Roma – Marketing Class slides - Academic Year 2012-2013* 4







What's competitive advantage?

An advantage over competitors gained by offering customers greater value than competitors offer.

Value for customers = Perceived Benefits – Overall Costs

Note that this implies that firms are able to produce and market either at lower costs or at higher quality (or possibly both) than competitors in a more profitable way.

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**UNIVERSITÀ DEGLI STUDI DI PALERMO** DICGIM - DIPARTIMENTO DI INGEGNERIA CHIMICA, GESTIONALE, INFORMATICA, MECCANICA PORTER'S GENERIC STRATEGIES FOR **COMPETITIVE ADVANTAGE** DIFFERENTIATION **Deliver products/services COST LEADERSHIP** whose quality and benefits Price lower than competitors are perceived as significantly as a result of lower superior by customers production and marketing compared to those of costs, everything else being competitors such that they equal. are willing to pay a price premium for these products/services Porter's approach has been criticized by numerous researchers (e.g., Miller or W. Chan Kim and Renée Mauborgne) as, in reality, both strategies could co-exist: successful firms might be those who solve such a dichotomy. Prof. Paolo Roma – Marketing Class slides - Academic Year 2012-2013 8





#### We can distinguish between:

<u>Vertical differentiation</u>: Vertical differentiation occurs in a market where the several goods that are present can be ordered according to their objective quality from the highest to the lowest. It's possible to say in this case that one good is "better" than another. Ex: fine restaurant vs fastfood chain; cashmere vs. acrylic, motel vs. 5-stars hotel.

**Horizontal Differentiation**: When products are different according to features that can't be ordered in an objective way, a horizontal differentiation emerges in the market. Horizontal differentiation can be linked to differentiation in colors, styles, tastes, etc...Ex.: ice-cream tastes, beverages (coke vs. fanta).

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# RELEVANT FACTORS FOR INDUSTRY STRUCTURE ANALYSIS

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### MARKET FORMS

As under the SCP paradigm the conduct and performance depend on industry structure, we can start with the industry structure analysis. Specifically, we need to look at the different market forms, which are identified by the number of firms competing in the market and the degree of product differentiation.

	ONE FIRM	A FEW FIRMS	MANY FIRMS
HOMOGENEOUS PRODUCT	MONODOLY	PURE OLIGOPOLY	PERFECT COMPETITION
DIFFERENTIATED PRODUCT	MONOPOLY	DIFFERENTIATED OLIGOPOLY	MONOPOLISTIC COMPETITION
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					Oi	Pi		1	
F	irms	Revenue	Revenue %	Firm %	Cum. Revenue	Cum. Firms	Pi-Oi		
	A	250	0.05	0.2	0.05	0.2	0.15		
	E	350	0.07	0.2	0.12	0.4	0.28		
	В	650	0.13	0.2	0.25	0.6	0.35	1	
	D	750	0.15	0.2	0.4	0.8	0.4		
	С	3000	0.6	0.2	1	1	0		
Т	otal	5000	1	1					
0.9 0.7 0.7 0.0 0.7 0.0 0.5 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.2 0.2 0.3 0.2 0.3 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	attill				//////////////////////////////////////	$R = \frac{1}{1} - \frac{1}{2}$	$\frac{1}{2} - \frac{1}{2} \sum_{i=0}^{n-1} (i)$ f concentration Concentration Concentration $\sum_{i=0}^{n-1} (q_i + q_i)$	$q_i + q_{i+1})(p_{i+1})$ tion is: tion area entration area $_{+1})(p_{i+1} - p_i)$	1 – p <sub>i</sub> )
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## MARKET CONCENTRATION (6) FURTHER INDICES

In addition to Gini index, which, as discussed, is obtainable from the Lorenz curve, we can use other indices: Herfindahl-Hirschmann index and Concentration Ratios.

## **Concentration Ratio:**

A concentration ration is the sum of the market share of the n firms with the highest sales (usually in value).

$$CR_n = \sum_{i=1}^n s_i$$
 where  $n < N$ 

N Number of firms in the industry

*S<sub>i</sub>* Market share of firm i Prof. Paolo Roma – Marketing Class slides - Academic Year 2012-2013

















































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## **OTHER FACTORS**

### VERTICAL INTEGRATION

A vertical integration happens when firm expands its own activity upstream or downstream in the supply chain either by new business establishment or, more frequently, by M&A . Example: multinational oil companies.

## **COST STRUCTURE**

Different industries have different cost structure, meaning different ratio between variable and fixed costs, which in turn determines firms flexibility and responsiveness to market changes.

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PORTER'S MODEL: INDUSTRY RIVALRY (2)

Price elasticity of demand and cost structure

The effect of strategy, e.g., a particular pricing strategy, adopted by a firm reflects not only on the given firm's outcomes but also on the rivals' performances.

In some situations a fierce price competition can lead to a price war and, as a result, losses for all the firms.

$$e_d = \frac{\Delta Q}{Q} \cdot \frac{p}{\Delta p}$$

If price elasticity of demand is low (inelastic) a price reduction leads to a demand increase that is not sufficient to generate an industry revenue equal to that obtained before the price reduction.

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PORTER'S MODEL: INDUSTRY RIVALRY (4)

### Price elasticity of demand and cost structure

The contribution margin increases if and only if:

$$(p-vc)$$
·  $X \leq ((1+\alpha) \cdot p - vc) \cdot Y$ 

from which:

$$\frac{MIR}{MIR + \alpha} \le \frac{Y}{X}$$

Therefore, for a given price increase, the demand Y cannot be lower than the threshold above, otherwise the new profit will be lower. Similarly, for a given price decrease, the demand Y cannot be lower than the threshold above, otherwise the new profit will be lower

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PORT	FER'S MODE	L: INDUSTRY RI	VALRY (10)
Barriers	to exit		
		BARRIERS	S TO EXIT
		LOW	HIGH
BARRIERS TO ENTRY	LOW	Low and stable profitability	Low and risky profitability
	HIGH	High and stable profitability	High and risky profitability



DICGIM - DIPARTIMENTO DI INGEGNERIA CHIMICA, GESTIONALE, INFORMATICA, MECCANICA PORTER'S MODEL: THREATS OF SUBSTITUTES

- Substitutes are those products possibly made with different technology but still satisfy the same needs/wants of customers.
- The higher the value for money of substitutes the higher their competitive power;
- To contrast substitutes firms in the industry can adopt:
  - Joint marketing campaigns;
  - Value for money increase;
  - Integration of substitutes.

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## PORTER'S MODEL: BUYER POWER (2)

Relative Concentration	The higher buyer size and relative concentration with respect to suppliers, the higher their bargaining power. The buyer size can increase for instance by establishing consortia, cooperatives and buying groups.	
Product Characteristics	<ul> <li>Buyer bargaining power increases if:</li> <li>Products are lowly differentiated;</li> <li>Switching costs are low;</li> <li>Supplier' product has a low influence on buyer' final product performance.</li> </ul>	
Buyer characteristics	<ul> <li>Size and frequency of purchases;</li> <li>Information availability;</li> <li>Possibility of upstream integration.</li> </ul>	
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## PORTER'S MODEL: SUPPLIER POWER (2)

Relative Concentration	The higher supplier size and relative concentration with respect to buyers, the higher their bargaining power. The suppliers size can increase for instance by establishing consortia, cooperatives, selling groups and cartels.		
Product Characteristics	<ul> <li>Supplier bargaining power increases if:</li> <li>Supplier products are highly differentiated;</li> <li>Buyer switching costs are high;</li> <li>Supplier' product has a high influence on buyer' final product performance.</li> </ul>		
Supplier characteristics	<ul> <li>Importance of the buyer for the supplier;</li> <li>Information availability;</li> <li>Possibility of downstream integration.</li> </ul>		
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PORTER'S MODEL: GENERIC STRATEGIES (1)				
	Taraet Scope	Adva	ntage	
	largerscope	Low cost	Product uniqueness	
	Broad (Industry Wide)	Cost Leadership Strategy	Differentiation Strategy	
	Narrow (Market Segment)	Focus Strategy (low cost)	Focus Strategy (differentiation)	
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## **STRATEGIC GROUPS (4)**

Competitors belonging to the same strategic group have to be assessed and classified with regard to their potential reactions to marketing strategies adopted by the firm.

- Lowly reactive: react rarely and weakly;
- ✤ Selective: react only to specific attacks;
- \* Reactive: react strongly to all the attacks;
- ✤ Unpredictable: no regularity in their responses.

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	LEVELS OF COMPETITION
	Competition among needs: consumers allocate their income in different ways to satisfy their needs.
	Product category competition: the same need/want can be satisfied with products manufactured with different base technologies.
	Product competition: the same need/want can be satisfied with products manufactured with the same base technology.
	Brand competition: different versions (different producers) of the same product.
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#### **QUESTIONS & ANSWERS**

What do the Porter's 5 forces explain?

Threats of entry: The level of competition does not only depend on incumbents but also potential new entrants. Buyer power: The level of competition does not only depend on demand but also by numerous characteristics of the buyers. Supplier power: The level of competition does not only depend on supply but also by numerous characteristics of the suppliers. Threats of substitutes: The level of competition does not only depend on the type of product but also potential substitutes; Industry rivalry: The level of competition does only depend on industry structure but also on concentration, economic outlook, characteristics of products.

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