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Preferences of wine consumers: the contribution of experimental economics

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Preferences of wine consumers:

The contribution of experimental economics



Questions

Our purpose is to understand consumers' behavior by analyzing the willingness to pay (WTP).

Willingness to pay: the maximum amount consumers are ready to pay for a good or service.

Why?

In order to know the value of product attributes:

- To understand private industrial strategies and the development of market
- To asses the impact of public policy in consumers' behavior

How?

To identify the impact of information on buying behavior:

- Information on products as sensory characteritics, brand, appellation information or production methods.
- More general information as recommendations, informations campaign.



Method

To assess the impact of information on preferences:

Stated preferences preferences

Surveys
Contingent Valuation

Purchase Intent

No consequence No incentive Revealed

Hedonic Pricing

Experimental economics

Actual Purchase

Incentive Effort

#

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Experimental economics

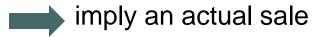
The aim is to to replicate a **simplified economic** situation in a **controlled laboratory setting**.

In this case, the experimentalist **controls** all the variables involved in this economic situation.

(Smith, 1980; List, 2006 shows that lab behavior is a good indicator of behavior in the field).

Revelation mecanism used to estimate WTP:

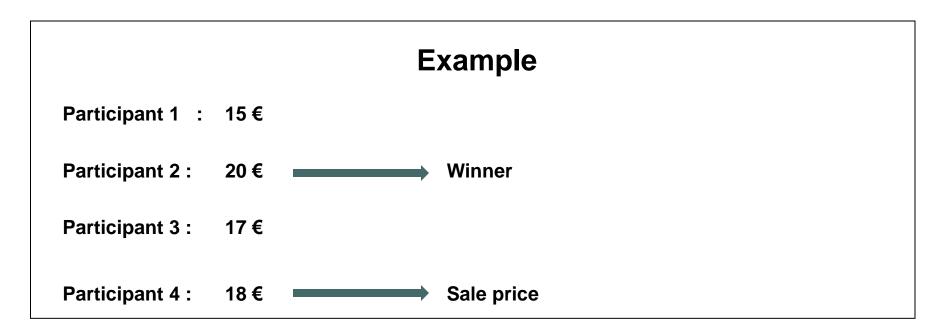
- 2nd price auction, Vickrey (1961)
- Random nth price auction (Shogren et al., 2001)
- Becker, DeGroot, Marshak mechanism (Becker et al. 1964)





Incentive mechanism: Vickrey Auction

- Each participant proposed a reservation price for each one of the wines.
- The winner is the participant who submit the higher bid.
- The winning bidder pays the second highest bid.





Incentive mechanism: the BDM procedure

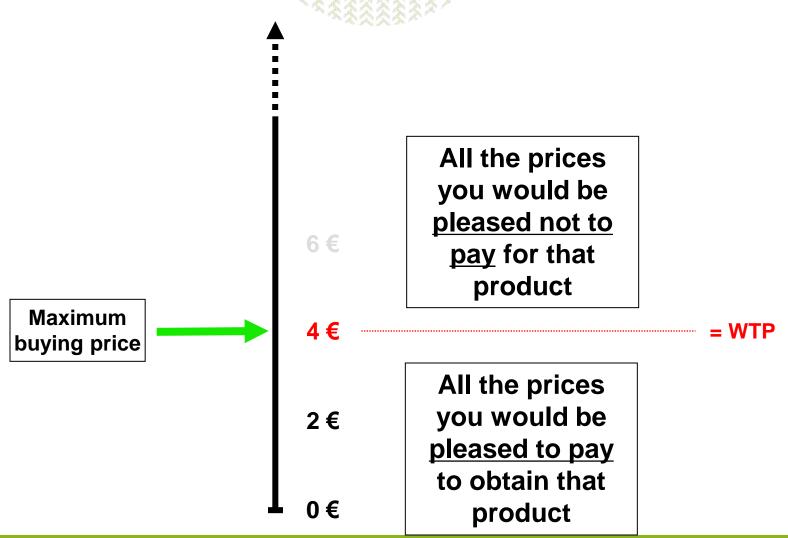
- In each one of these situations, the participants proposed a reservation price for each one of the wines
- At the end of the experiment, a sale price was randomly chosen for one situation/wine (in a distribution previously defined)

Selling price < The participant has to buy the wine

Selling price > The participant cannot buy the reservation price > wine



Incentive mechanism: the BDM procedure



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Protocol

different wines were sold under 3 different information conditions

• Blind tasting



5 wines: 5 prices

Label





5 wines: 5 prices

• Full information





5 wines: 5 prices

Random selection of one situation and one product



Actual sale



WTP for Champagne

Lange, Martin, Chabanet, Combris, et Issanchou, 2002

- Collective reputation Versus private branding
- How do informations influence consumers' preferences for wines and interact with:
 - Taste and sensorial characteristics
 - Other information available on the labels (Brand)

Champagne					
Condition 1 Blind tasting	Condition 2 Labels	Condition Labels + taste			
	Lowest Price (unbranded)				
	Middle-range Brand				
	Famous Brand 1				
	Famous Brand 2				
	Famous Brand 3				



WTP for Bourgogne

Combris, Bazoche, Giraud-Héraud, Issanchou, 2009

- Collective reputation Versus grape variety (in France and Germany)
- How do informations influence consumers' preferences for wines and interact with:
 - Taste and sensorial characteristics
 - Other information available on the labels (Brand, grape variety)

Pinot Noir			
Condition 1 Blind tasting	Condition 2 Labels	Condition Labels + taste	
	AOC Bourgogne		
	AOC Passe-tout-grains		
	Grape Variety		
	Gallo		
	Alternative labels		



WTP for Bordeaux

Bazoche, Déola, Soler, 2008

- Impacts of environmental issues on willingness to pay?
- How do informations influence consumers' preferences for wines and interact with:
 - Taste and sensorial characteristics
 - Other information available on the labels
 - General information on pesticide use.

AOC Bordeaux			
Condition 1 Blind tasting	Condition 2 Labels	Condition Labels + taste	
	AOC Bordeaux		
« Terra Vitis »	certification (producers' c	ommitment)	
	Traders' commitment		
	Retailer commitment		
	Organic		
	AOC Bordeaux supérieur		

Preferences of wine consumers:

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Main Results

- Trade-off expected quality / perceived quality.
- Expected quality of AOC is high for French consumers but not for German consumers.
- WTP for wines with environmental characteristics are in several cases lower than for generic Bordeaux.
- By mean, it's difficult to find significant difference in blind tasting. Does it mean that consumers are not aware to differentiate between wines?

No, consumers have strong preferences. Heterogeneity in preferences is very important. By analyzing averages for each wine in each condition, the individual preferences for wines have been mitigated.

