Bandwagon effect : an experimental study

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- H. Leibenstein (1950)
- Non functional demand;
- "the extent to which the demand for a commodity is increased due to the fact that others are also consuming the same product" (p. 189);
- Diagrammatical method.

• G. S. Becker (1991)

- People consume product together and partly public;
- Bandwagon and prices;
- Supply-demand diagram;
- Critics (Gisser M., McClure J., Ökten G., Santoni G. (2009)).



Resume						
	Binary choice	Methods				
Economics	Social learning models , expectations, information	Laboratory experiment				
Marketing	+Endogenous social effects	Desk research, computer modeling				
Political science	+ Endogenous social effects	Questionnaires				



Payoff functions

- $\pi 1 = 20 a;$
- $\pi 2 = 15 a;$
- $\pi 3 = 10 a;$
- With a C (20, 10, 5) and be chosen randomly with equal probability of 1/3.
- Payoff functions are private information



Our experiment (2)

- Value of *a* randomly selected at the end of the experiment
- For one of the players (randomly selected), payoff was 100\$ * points gained during one of the treatment (randomly selected) * coefficient (made differently for each group in order maximum payoff would be 100\$)
- We expect to observe bandwagon effect, i.e. a player who decides to not buy in treatment 2 (or 4) while she has decided to buy in treatment 1 (or 3)



Result	is (2)	000 DBN 6001 6001 DBN 6001 6001 6001 BBN 6001 6001 6001 600	9 100 100 100 100 100 100 100 100 100 10		
	P	layers' decision	s by experimen	t x	
	Group	Experiment 1	Experiment 2	Experiment 3	3 Experiment 4
1	1	1	1	0	1
2	1	1	1	1	1
3	1	1	1	1	1
4	1	1	1	1	1
5	1	1	1	1	1
6	2	1	1	1	1
7	2	1	1	1	1
8	2	1	1	1	1
9	2	1	1	1	1
10	2	0	1	1	1
11	3	1	0	0	0
12	3	0	0	1	0
13	3	1	1	1	0
14	3	0	1	1	0
15	3	1	0	1	0

Conclusion

- Even under situations where people have to maximize their payoff rationally, they can take non rational decisions (from an economic point of view) probably due to bandwagon effect.
- Bandwagon effect appears to be part of a decision rule for agents.
- However it would be interesting to conduct more sessions to be able to do a more relevant statistical analysis.

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