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# Consistency of Willingness to Pay and Preferences in Auction Experiments 

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## Consistency of Willingness to Pay and Preferences in Auction Experiments

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| Table1 Contingency Analysis a) Coca cola and Pepsi |  |  |
| :---: | :---: | :---: |
| a) Coca col | Prefer Coca Prefer <br> cola Pepsi |  |
|  |  |  |
| Bid more | 30 | $3 \quad 33$ |
| for Coca cola | 48.39 | 4.8453 .23 |
| cola |  |  |
| Bid more | 1 |  |
| for Pepsi | 1.61 | 45.1646 .77 |
| Total | 31 | 3162 |
|  | 50 | 50 |
| Fisher's | <0.0001 |  |
| Exact Test |  |  |
| McNemar | 0.3173 |  |
| Test |  |  |

```
able 2 Mean WTP for Entire and Consistent Responden a) Coca cola and Pepsi Entire Consistent
\begin{tabular}{|c|c|c|}
\hline & group & respondent \\
\hline Prefer coca cola & \(\mathrm{N}=31\) & \(\mathrm{N}=30\) \\
\hline Mean WTP for & 2.9445 & 2.976 \\
\hline Coca cola & & \\
\hline Mean WTP for & 2.4484 & 2.4467 \\
\hline Pepsi & & \\
\hline Matched Pairs t- & T=6.23, & T= \\
\hline Statistic (P-value) & P<0.00 & P<0.0001 \\
\hline Prefer Pepsi & \(\mathrm{N}=31\) & \(\mathrm{N}=28\) \\
\hline Mean WTP for & 2.5177 & 2.5339 \\
\hline Coca cola & & \\
\hline Mean WTP for & 3.0484 & 3.1536 \\
\hline Pepsi & & \\
\hline Matched Pairs t- & T=3.69 & T=4.1 \\
\hline
\end{tabular}
```

Pen and Ball-pen $\quad$ Entire group Consistent

|  |  |  |
| :---: | :---: | :---: |
|  | Enture group | Consistent |
| respondent |  |  |


| ble 3 Marginal effects of Tobit |  |  |  |  | $5 \%$ significant level $10 \%$ significant lev |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pepsi | Coca cola | Pen | Ball-pen | Conventi | nic |
|  |  |  |  |  | Apple | apple |
| Familiarity | -0.2355 | 0.2029 | 0.2079 | 0.0496 | -0.2899 | -0.001 |
| Desirability | 0.3200 | 0.3265 | 0.1720 | 0.2154 | 0.2254 | 0.3507 |
| Price | n/a | n/a | 0.5919 | 0.6525 | 0.8471 | 0.58 |

## Results

Inconsistencies were found in all trials. These occurred least often in the Peps and Coca-cola pair. For pairs with differences in familiarity and expected prices, the inconsistencies increased. The highest frequency of inconsistency larger than the den and pencils pair suggesting the impact of different price is phenomenon.

Conclusions
A consumer bidding more for organic apples over conventional does not necessary mean the person prefer organic apple. Therefore, the implications of a higher WTP must be viewed with care

