MIS7420

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1 Data Cleaning Process

1.1 BOBO1

This is a reference test. Hlavac (2015) is used to generate many summary tables in this report.

2 Paper Replication

In this section, we provide our replication for this paper.

2.1 Table 1

Table 1 shows the summary statistics of top five vendors by sales volume.

Table 1: Summary Statistics of Top Five Vendors by Sales Volume

DomainName	TotalTransaction	TotalSales	TotalPagesViewed	PagesPerDollar	TotalDuration	MinsPerDollar
dell.com	1,620	483, 703.300	66,953	0.138	57,225.660	0.118
amazon.com	10,904	354,573.300	464,383	1.310	369,227.900	1.041
staples.com	5,927	236,982.300	247, 163	1.043	166, 189.900	0.701
walmart.com	1,977	156,606.100	80,397	0.513	68,434.890	0.437
bestbuy.com	1,230	149, 950.400	50,627	0.338	36,735.900	0.245

2.2 Table 2

Table 2: Summary Statistics of Referring Domain Categories

Domain Name	Total Transaction	Referred by SearchEngine	Direct to Website	Referred by Others
amazon.com	10,904	2,955(27.1%)	7,018(64.4%)	931 (8.6%)
bestbuy.com	1,230	258(21.0%)	901(73.3%)	71(5.8%)
All Others	36,794	6,999(19.0%)	25,483 (69.3%)	4,312 (11.7%)
All Transactions	48,928	10,212 (20.9%)	33,402 (68.3%)	5,314 (10.9%)

- 2.3 Table 3
- 2.4 Table 4
- 2.5 Table 5
- 2.6 Table 6
- 2.7 Table 7
- 2.8 Table 8
- 2.9 Table 9
- 2.10 Table 10
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- 2.13 Table 13
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- 2.15 Table C1
- 2.16 Table D1-D4
- 2.17 Table E1-E2
- 2.18 Table G1-G3

3 Advanced Method

- 3.1 Synthetic Control Method
- 3.2 Generalized Synthetic Control Method
- 3.3 Heckit Approach
- 3.4 PSM and LA-PSM
- 3.5 Measurement Error Bias Correction

4 References

[1] Marek Hlavac. Stargazer: Well-formatted regression and summary statistics tables. R package version, 5(1), 2015.