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2016 — CEES
 OLS PSM
 65.0% 32.1% 40.2%
 17.3%
 " "
 F240.21 A 1000-7636 2018-06-0066-12

2008

1 2003

2 2009

3

2017-07-25

" " 11&ZD158 "
 " 2015BAH27F01
 / 430072
 /
 /

y^{TM}

	0 =	1 =	0 55	0 50
			3 15	0 42
			3 66	0 45
			3 19	0 41
			3 71	0 40
			2.71	0.46
	0 =	1 =	0 45	0 50
	2016	7 1	36 53	9 45
	0 =	1 =	0 75	0 41
			①	
	0 =	1 =	11 84	3 04
			0 38	0 49
		$\times 20 +$	71 77	34 45
	1 =	0 =	0 91	1 14
	1 =	0 =	0 51	0 50
		/	12.96	16.98

stata

" "

PSM

" "

" "

0—1

" "

3 15

3 15

3 15

0

$$= \frac{2 - 4}{1} = 1 \times$$

“1” “0”

Roberts 2009

2015

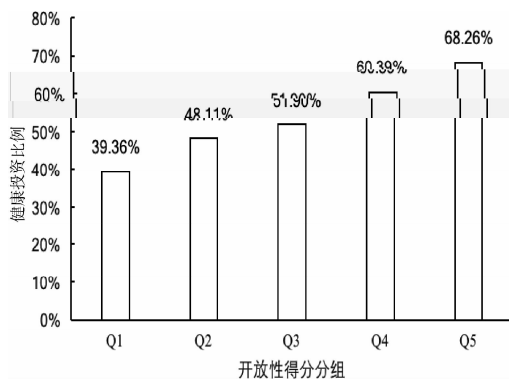
”

” 33-34

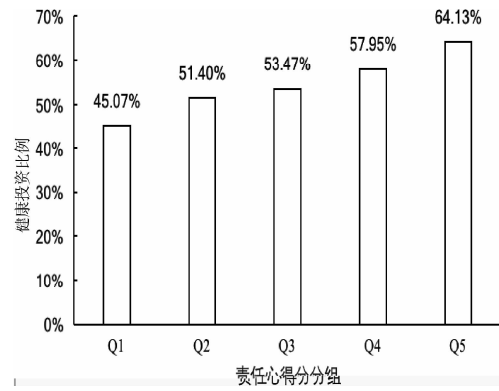
” ”

” ”

1—5



\hat{y}^{TM}



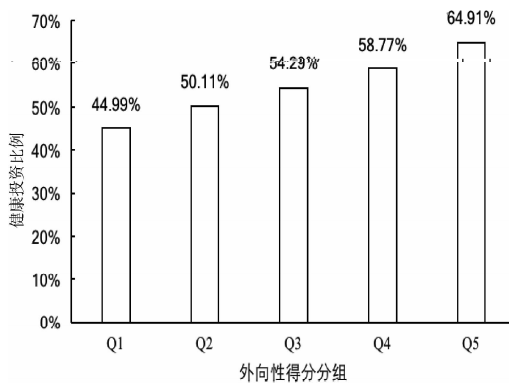
\hat{p}^{TM}

1—3

7.87% ~ 22.23%

4.03% ~ 14.03%

8.24% ~ 11.39%

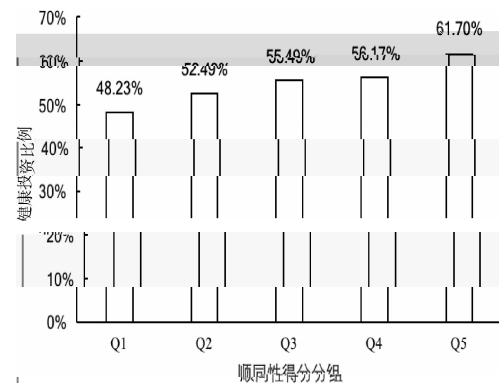


\hat{y}^{TM}

14.87%

9.28%

9.61%



\hat{y}^{TM}

4

1.24% ~ 8.84%

6.41%

5

-12.57% ~ -3.31%

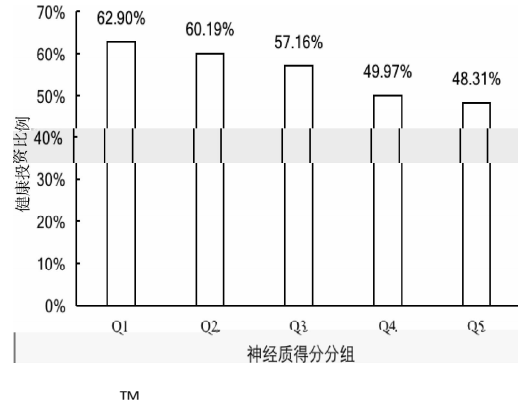
-6.31%

14.87%

9.28%

9.61%

6.40%



3

Logit

" "

3

1% ~ 5%

0.302 0.120 0.178

65.0% 32.1%

40.2%

5%

-0.096

17.3%

" "

\hat{y}^{TM}

0.302 ***	0.052	5.868	0.000	0.650
0.120 **	0.055	2.196	0.028	0.321
0.178 ***	0.065	2.725	0.006	0.402
0.087	0.060	1.451	0.147	0.224
-0.096 **	0.045	-2.139	0.032	-0.173
-0.180 ***	0.045	-4.025	0.000	-0.054
0.012 ***	0.003	3.508	0.000	0.283
-0.211 ***	0.043	-3.800	0.000	-0.114
0.057 ***	0.006	12.550	0.000	0.481
-0.018	0.023	-1.870	0.429	-0.030

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-0.003 ***	0.001	-3.512	0.000	-0.142
-0.025	0.017	-1.451	0.147	-0.017
0.234 ***	0.054	4.316	0.000	0.089
-0.002 **	0.001	-2.188	0.029	-0.017
0.003	0.003	1.180	0.237	0.039
-2.544 ***	0.335	-7.590	0.000	-0.054
Log pseudolikelihood = -3 140.260		Wald chi2 14 =2 061.17		
Prob > chi2 =0.000		Pseudo R2 =0.080		

* 10% ** 5% *** 1%

2016 ¹¹

2002

19

5.4% 28.3% 11.4% 48.1% 3.0%

2009 ³

5.4%

8.9%

1.7%

Deng et al. 2017 ³⁵

2008 ¹

" "

TM

K =4 =0.023 K =4 =0.023		ATT	0.143	0.619	0.476	11.67 ***
		ATT	0.108	0.619	0.511	6.77 ***
		ATU	0.111	0.476	0.586	5.91 ***
		ATE	0.109	-	-	7.03 ***
		ATT	0.143	0.619	0.476	11.67 ***
		ATT	0.106	0.619	0.513	6.23 ***
		ATU	0.110	0.476	0.593	5.91 ***
		ATE	0.106	-	-	6.93 ***
		ATT	0.143	0.619	0.476	11.67 ***
		ATT	0.111	0.619	0.512	6.12 ***
		ATU	0.115	0.476	0.580	5.91 ***
		ATE	0.113	-	-	7.22 ***
1	"	"	PSM	"	"	PSM
	3					4 *** 1%
						2 500

TM

K =4 =0.023 K =4 =0.023		ATT	0.071	0.582	0.511	3.68
		ATT	0.072	0.581	0.509	1.65
		ATU	0.051	0.511	0.563	1.51
		ATE	0.063	-	-	1.65
		ATT	0.071	0.582	0.511	3.68
		ATT	0.070	0.581	0.510	1.23
		ATU	0.049	0.511	0.564	1.43
		ATE	0.061	-	-	1.54
		ATT	0.071	0.582	0.511	3.68
		ATT	0.072	0.581	0.509	1.23
		ATU	0.052	0.511	0.561	1.44
		ATE	0.065	-	-	1.52
1	"	"	PSM	"	"	PSM
	3					4 *** 1%
						2 500

TM

K =4 =0.023		ATT	-0.096	0.507	0.603	-7.75 ***
		ATT	-0.086	0.507	0.593	-4.03 ***
		ATU	-0.076	0.603	0.528	-5.05 ***
		ATE	-0.081	-	-	-4.83 ***
		ATT	-0.096	0.507	0.603	-7.75 ***
		ATT	-0.089	0.507	0.593	-4.32 ***
		ATU	-0.080	0.603	0.527	-5.24 ***
		ATE	-0.084	-	-	-4.92 ***

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