



```

      name: <unnamed>
      log: C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometri
> cs\fdimatching_deleteEXP/log_fdi_matching.smcl
      log type: smcl
      opened on: 9 May 2020, 10:42:41

1 .      clear all

2 .
3 . *-----*
4 . *      PART 1.0: Download Packages
5 . *-----*
6 .
7 . //      package gr0070 from http://www.stata-journal.com/software/sj17-3
8 .      cap ssc install gr0070

9 .
10. //      package outreg2
11.      cap ssc install outreg2

12.
13. //      package tabout
14.      cap ssc install tabout

15.
16. *-----*
17. *      PART 1.1: Set globals for do-file routines
18. *-----*
19.
20.      global input      "$root/01_input"
21.      global scripts    "$root/02_scripts"
22.      global log         "$root/03_log"
23.      global results     "$root/04_results"

24.
25.      use "$input/FDI_project"

26.
27.
28. *-----*
29. *      PART 1.2: Adjust variable labels
30. *-----*
31.
32.      label var OWN "Ownership"
33.      label var TECH "Technology intensity"
34.      label var PORT "Access to port"
35.      label var logwages2015 "Log wages"
36.      label var TFP2015 "TFP"
37.      label var logemp2015 "Log employment"
38.      label var DEBTS2015 "Log debts"

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39.      label var EXP2015 "Export intensity"
40.      label var RD2015 "R&D dummy"
41.      label var logwages2017 "Log wages"
42.      label var TFP2017 "TFP"
43.
44. *-----*
45. *      PART 1.3: Transforming variables
46. *-----*
47.
48.      generate TFPS17= (TFP2017-3.656046)/2.056464
49.      generate emp2015= exp(logemp2015)
50.      generate wages15 = exp(logwages2015)
51.      generate debts15 = exp(DEBTS2015)
52.
53.      save $input/fdi_matching_clean, replace
(note: file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomic
> s\fdimatching_deleteEXP\01_input/fdi_matching_clean.dta not found)
file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomics\fdima
> tching_deleteEXP\01_input/fdi_matching_clean.dta saved
54.
55. *-----*
56. *      PART 1.4: Set globals for variables
57. *-----*
58.
59.      global F "OWN TECH RD2015"
60.      global C "logwages2015 TFP2015 emp2015 DEBTS2015"
61.
62. *****
63. *      PART 2: Descriptive Analysis
64. *****
65.
66.      do $scripts/02_Descriptive_Analysis
67. /*****
>      DESCRIPTIVE ANALYSIS DO-FILE
> *****
>
>      Applied Microeconomics
>
>      Empirical Project
>
>      Do-File 02
>
>      PURPOSE:      Analysis of Data Set
>
>      OUTLINE:      PART 1: Overview
>                   PART 2: Summary Statistics
>                   PART 3: Balance Tables
>
> *****
>                   PART 1: Overview
> *****/

```

68.
69. describe

Contains data from C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microecon
> ometrics\fdimatching_deleteEXP\01_input\fdi_matching_clean.dta
obs: 11,323
vars: 21 9 May 2020 10:42
size: 713,349

| variable name | storage type | display format | value label | variable label |
|---------------|--------------|----------------|-------------|-----------------------------|
| firm | float | %9.0g | | firm identifier |
| FDI2016 | byte | %9.0g | | FDI/TREATMENT dummy in 2016 |
| FDIYPE2016 | byte | %28.0g | FDIYPE | FDI type |
| OWN | byte | %17.0g | OWN | Ownership |
| TECH | byte | %27.0g | TECH | Technology intensity |
| PORT | byte | %21.0g | PORT | Access to port |
| logwages2015 | float | %9.0g | | Log wages |
| TFP2015 | float | %9.0g | | TFP |
| logemp2015 | float | %9.0g | | Log employment |
| DEBTS2015 | float | %9.0g | | Log debts |
| EXP2015 | float | %9.0g | | Export intensity |
| RD2015 | byte | %9.0g | | R&D dummy |
| logwages2017 | float | %9.0g | | Log wages |
| TFP2017 | float | %9.0g | | TFP |
| logemp2017 | float | %9.0g | | log employment in 2017 |
| EXP2017 | float | %9.0g | | EXPORT INTENSITY in 2017 |
| RD2017 | byte | %9.0g | | R&D dummy in 2017 |
| TFPS17 | float | %9.0g | | |
| emp2015 | float | %9.0g | | |
| wages15 | float | %9.0g | | |
| debts15 | float | %9.0g | | |

Sorted by: FDI2016

70.
71. // Frequencies of FDI types
72. tab FDIYPE2016

| FDI type | Freq. | Percent | Cum. |
|-----------------------------|--------|---------|--------|
| No FDI | 6,863 | 60.61 | 60.61 |
| Exports-oriented FDI | 940 | 8.30 | 68.91 |
| Technology intensive FDI | 1,555 | 13.73 | 82.65 |
| Domestic market seeking FDI | 1,965 | 17.35 | 100.00 |
| Total | 11,323 | 100.00 | |

73.
74. *-----*
75. * PART 1.1: Correlations matrix
76. *-----*
77.
78. corr FDI2016 ///
> OWN TECH PORT ///
> logwages2015 TFP2015 emp2015 DEBTS2015 EXP2015 RD2015
(obs=11,323)

| | FDI2016 | OWN | TECH | PORT | logwag~5 | TFP2015 |
|--------------|---------|---------|---------|---------|----------|---------|
| FDI2016 | 1.0000 | | | | | |
| OWN | 0.1026 | 1.0000 | | | | |
| TECH | -0.3144 | -0.1797 | 1.0000 | | | |
| PORT | 0.1984 | 0.0564 | -0.4172 | 1.0000 | | |
| logwages2015 | -0.0633 | -0.0566 | 0.1843 | -0.0694 | 1.0000 | |
| TFP2015 | -0.0868 | -0.0457 | 0.1080 | 0.0620 | 0.0351 | 1.0000 |
| emp2015 | 0.0249 | -0.0025 | -0.0353 | 0.0319 | -0.0062 | -0.0035 |
| DEBTS2015 | -0.0259 | 0.2636 | -0.0064 | 0.0019 | -0.0327 | -0.0423 |
| EXP2015 | 0.4480 | -0.1249 | 0.3125 | 0.2780 | 0.0453 | 0.0409 |
| RD2015 | 0.0175 | 0.0070 | 0.0093 | -0.0088 | 0.0100 | 0.0419 |

| | emp2015 | DEB~2015 | EXP2015 | RD2015 |
|-----------|----------------|----------------|----------------|---------------|
| emp2015 | 1.0000 | | | |
| DEBTS2015 | -0.0026 | 1.0000 | | |
| EXP2015 | 0.0220 | 0.0668 | 1.0000 | |
| RD2015 | -0.0088 | -0.0044 | -0.0009 | 1.0000 |

```

79.
80.
81. *****
82. *                                PART 2: Summary Statistics
83. *****
84.
85. //      Continuous variables
86. outreg2 using "$results/02_Descriptive_Analysis/summarystats.tex", ///
>      sum(detail) replace ///
>      keep(wages15 TFP2015 debts15 EXP2015 emp2015) ///
>      label eqkeep(mean p50 sd min max)

```

firm identifier

| | Percentiles | Smallest | | |
|-----|--------------|--------------|-------------|------------------|
| 1% | 124 | 1 | | |
| 5% | 623 | 2 | | |
| 10% | 1245 | 4 | Obs | 11,323 |
| 25% | 3101 | 6 | Sum of Wgt. | 11,323 |
| 50% | 6186 | | Mean | 6181.449 |
| | | Largest | Std. Dev. | 3558.895 |
| 75% | 9252 | 12330 | | |
| 90% | 11111 | 12331 | Variance | 1.27e+07 |
| 95% | 11735 | 12332 | Skewness | -.0042869 |
| 99% | 12212 | 12333 | Kurtosis | 1.80306 |

FDI/TREATMENT dummy in 2016

| | Percentiles | Smallest | | |
|-----|-------------|----------|-------------|-----------------|
| 1% | 0 | 0 | | |
| 5% | 0 | 0 | | |
| 10% | 0 | 0 | Obs | 11,323 |
| 25% | 0 | 0 | Sum of Wgt. | 11,323 |
| 50% | 0 | | Mean | .3938885 |
| | | Largest | Std. Dev. | .4886322 |
| 75% | 1 | 1 | | |
| 90% | 1 | 1 | Variance | .2387614 |
| 95% | 1 | 1 | Skewness | .4343395 |
| 99% | 1 | 1 | Kurtosis | 1.188651 |

FDI type

| | Percentiles | Smallest | | |
|-----|-------------|----------|-------------|-----------------|
| 1% | 0 | 0 | | |
| 5% | 0 | 0 | | |
| 10% | 0 | 0 | Obs | 11,323 |
| 25% | 0 | 0 | Sum of Wgt. | 11,323 |
| 50% | 0 | | Mean | .8783008 |
| | | Largest | Std. Dev. | 1.192862 |
| 75% | 2 | 3 | | |
| 90% | 3 | 3 | Variance | 1.42292 |
| 95% | 3 | 3 | Skewness | .8489698 |
| 99% | 3 | 3 | Kurtosis | 2.022788 |

Ownership

| | Percentiles | Smallest | | |
|-----|-------------|----------|-------------|-----------|
| 1% | 1 | 1 | | |
| 5% | 1 | 1 | | |
| 10% | 2 | 1 | Obs | 11,323 |
| 25% | 2 | 1 | Sum of Wgt. | 11,323 |
| 50% | 3 | | Mean | 2.888987 |
| | | Largest | Std. Dev. | .9071667 |
| 75% | 4 | 4 | | |
| 90% | 4 | 4 | Variance | .8229515 |
| 95% | 4 | 4 | Skewness | -.4250337 |
| 99% | 4 | 4 | Kurtosis | 2.357997 |

Technology intensity

| | Percentiles | Smallest | | |
|-----|-------------|----------|-------------|----------|
| 1% | 1 | 1 | | |
| 5% | 1 | 1 | | |
| 10% | 1 | 1 | Obs | 11,323 |
| 25% | 1 | 1 | Sum of Wgt. | 11,323 |
| 50% | 2 | | Mean | 2.278636 |
| | | Largest | Std. Dev. | 1.130658 |
| 75% | 3 | 4 | | |
| 90% | 4 | 4 | Variance | 1.278387 |
| 95% | 4 | 4 | Skewness | .1369556 |
| 99% | 4 | 4 | Kurtosis | 1.562267 |

Access to port

| | Percentiles | Smallest | | |
|-----|-------------|----------|-------------|----------|
| 1% | 0 | 0 | | |
| 5% | 0 | 0 | | |
| 10% | 0 | 0 | Obs | 11,323 |
| 25% | 0 | 0 | Sum of Wgt. | 11,323 |
| 50% | 0 | | Mean | .3494657 |
| | | Largest | Std. Dev. | .4768223 |
| 75% | 1 | 1 | | |
| 90% | 1 | 1 | Variance | .2273595 |
| 95% | 1 | 1 | Skewness | .6314342 |
| 99% | 1 | 1 | Kurtosis | 1.398709 |

Log wages

| | Percentiles | Smallest | | |
|-----|-------------|-----------|-------------|----------|
| 1% | -1.638978 | -7.331795 | | |
| 5% | 1.059369 | -7.103724 | | |
| 10% | 2.408368 | -5.701573 | Obs | 11,323 |
| 25% | 4.74146 | -5.625238 | Sum of Wgt. | 11,323 |
| 50% | 7.338148 | | Mean | 7.332918 |
| | | Largest | Std. Dev. | 3.838861 |
| 75% | 9.902966 | 20.87844 | | |
| 90% | 12.20624 | 20.99824 | Variance | 14.73685 |
| 95% | 13.65446 | 21.31597 | Skewness | .0050248 |
| 99% | 16.26827 | 22.43151 | Kurtosis | 3.044124 |

TFP

| | Percentiles | Smallest | | |
|-----|-------------|-----------|-------------|--------|
| 1% | -1.760341 | -5.359266 | | |
| 5% | -.3396301 | -4.564884 | | |
| 10% | .4065464 | -3.947462 | Obs | 11,323 |
| 25% | 1.69375 | -3.887785 | Sum of Wgt. | 11,323 |

| | | | | |
|-----|-----------------|-----------------|-----------|------------------|
| 50% | 3.032239 | | Mean | 3.041338 |
| | | Largest | Std. Dev. | 2.046604 |
| 75% | 4.417369 | 10.39066 | | |
| 90% | 5.679015 | 10.79894 | Variance | 4.188589 |
| 95% | 6.381904 | 10.82878 | Skewness | -.0117873 |
| 99% | 7.791977 | 11.35702 | Kurtosis | 3.028324 |

Log employment

| | | | | |
|-----|------------------|------------------|-------------|------------------|
| | Percentiles | Smallest | | |
| 1% | -2.634289 | -6.228763 | | |
| 5% | -.5589151 | -6.20012 | | |
| 10% | .5075461 | -6.185894 | Obs | 11,323 |
| 25% | 2.341855 | -6.092359 | Sum of Wgt. | 11,323 |
| 50% | 4.399255 | | Mean | 4.411473 |
| | | Largest | Std. Dev. | 3.040198 |
| 75% | 6.524904 | 14.9902 | | |
| 90% | 8.279512 | 15.08997 | Variance | 9.242801 |
| 95% | 9.413677 | 15.28719 | Skewness | -.0080799 |
| 99% | 11.393 | 15.99303 | Kurtosis | 2.960453 |

Log debts

| | | | | |
|-----|------------------|------------------|-------------|-----------------|
| | Percentiles | Smallest | | |
| 1% | -.1750222 | -.1998464 | | |
| 5% | -.0806167 | -.1997392 | | |
| 10% | .029059 | -.199408 | Obs | 11,323 |
| 25% | .2368089 | -.1993328 | Sum of Wgt. | 11,323 |
| 50% | .5004624 | | Mean | .5040355 |
| | | Largest | Std. Dev. | .3525262 |
| 75% | .7537385 | 1.2992 | | |
| 90% | .9722362 | 1.29932 | Variance | .1242747 |
| 95% | 1.122765 | 1.299587 | Skewness | .0806031 |
| 99% | 1.254863 | 1.299778 | Kurtosis | 2.316729 |

Export intensity

| | | | | |
|-----|-----------------|-----------------|-------------|-----------------|
| | Percentiles | Smallest | | |
| 1% | .0190834 | .0103205 | | |
| 5% | .0384401 | .0104334 | | |
| 10% | .0575267 | .0104726 | Obs | 11,323 |
| 25% | .0990072 | .0105073 | Sum of Wgt. | 11,323 |
| 50% | .1543709 | | Mean | .1593435 |
| | | Largest | Std. Dev. | .0798147 |
| 75% | .2130122 | .4667603 | | |
| 90% | .2652063 | .4720742 | Variance | .0063704 |
| 95% | .2949337 | .4777972 | Skewness | .4171633 |
| 99% | .3648675 | .4831533 | Kurtosis | 2.827241 |

R&D dummy

| | | | | |
|-----|-------------|----------|-------------|-----------------|
| | Percentiles | Smallest | | |
| 1% | 0 | 0 | | |
| 5% | 0 | 0 | | |
| 10% | 0 | 0 | Obs | 11,323 |
| 25% | 0 | 0 | Sum of Wgt. | 11,323 |
| 50% | 0 | | Mean | .1211693 |
| | | Largest | Std. Dev. | .3263383 |
| 75% | 0 | 1 | | |
| 90% | 1 | 1 | Variance | .1064967 |
| 95% | 1 | 1 | Skewness | 2.321808 |
| 99% | 1 | 1 | Kurtosis | 6.390791 |

Log wages

| | Percentiles | Smallest | | |
|-----|------------------|------------------|-------------|------------------|
| 1% | -2.120156 | -6.185148 | | |
| 5% | -.0123446 | -6.022474 | | |
| 10% | 1.035314 | -5.493109 | Obs | 11,323 |
| 25% | 2.910137 | -5.369166 | Sum of Wgt. | 11,323 |
| 50% | 4.989117 | | Mean | 5.010195 |
| | | Largest | Std. Dev. | 3.082818 |
| 75% | 7.136983 | 15.41822 | | |
| 90% | 8.938831 | 15.76589 | Variance | 9.503766 |
| 95% | 10.04671 | 16.21945 | Skewness | -.0073109 |
| 99% | 12.01537 | 17.04211 | Kurtosis | 2.956235 |

TFP

| | Percentiles | Smallest | | |
|-----|------------------|------------------|-------------|-----------------|
| 1% | -1.170003 | -4.700881 | | |
| 5% | .2511905 | -3.951226 | | |
| 10% | 1.018264 | -3.692741 | Obs | 11,323 |
| 25% | 2.283582 | -3.331597 | Sum of Wgt. | 11,323 |
| 50% | 3.664006 | | Mean | 3.656046 |
| | | Largest | Std. Dev. | 2.056464 |
| 75% | 5.041636 | 11.30793 | | |
| 90% | 6.310671 | 11.34453 | Variance | 4.229043 |
| 95% | 7.028272 | 11.62984 | Skewness | -.016582 |
| 99% | 8.400249 | 11.8114 | Kurtosis | 3.017121 |

log employment in 2017

| | Percentiles | Smallest | | |
|-----|------------------|------------------|-------------|-----------------|
| 1% | -2.170581 | -6.217651 | | |
| 5% | -.018102 | -6.184767 | | |
| 10% | 1.038013 | -5.748356 | Obs | 11,323 |
| 25% | 2.929524 | -5.622331 | Sum of Wgt. | 11,323 |
| 50% | 5.0262 | | Mean | 5.030484 |
| | | Largest | Std. Dev. | 3.094736 |
| 75% | 7.173199 | 15.48663 | | |
| 90% | 8.980158 | 15.49919 | Variance | 9.57739 |
| 95% | 10.10212 | 15.74725 | Skewness | -.024026 |
| 99% | 12.07887 | 16.38825 | Kurtosis | 2.950697 |

EXPORT INTENSITY in 2017

| | Percentiles | Smallest | | |
|-----|-----------------|-----------------|-------------|-----------------|
| 1% | .0581937 | .0187976 | | |
| 5% | .1113043 | .0211925 | | |
| 10% | .1423226 | .0216743 | Obs | 11,323 |
| 25% | .19367 | .0221602 | Sum of Wgt. | 11,323 |
| 50% | .2606816 | | Mean | .2696827 |
| | | Largest | Std. Dev. | .1083555 |
| 75% | .3300854 | .7790653 | | |
| 90% | .4089049 | .7935594 | Variance | .0117409 |
| 95% | .4650209 | .8165495 | Skewness | .6997986 |
| 99% | .5815625 | .9501169 | Kurtosis | 4.15865 |

R&D dummy in 2017

| | Percentiles | Smallest | | |
|-----|-------------|----------|-------------|---------------|
| 1% | 0 | 0 | | |
| 5% | 0 | 0 | | |
| 10% | 0 | 0 | Obs | 11,323 |
| 25% | 0 | 0 | Sum of Wgt. | 11,323 |

| | | | | |
|-----|---|---------|-----------|----------|
| 50% | 0 | | Mean | .4074009 |
| 75% | 1 | Largest | Std. Dev. | .4913723 |
| 90% | 1 | 1 | Variance | .2414467 |
| 95% | 1 | 1 | Skewness | .3769168 |
| 99% | 1 | 1 | Kurtosis | 1.142066 |

TFPS17

| | | | | |
|-----|-------------|-----------|-------------|----------|
| | Percentiles | Smallest | | |
| 1% | -2.34677 | -4.063736 | | |
| 5% | -1.655684 | -3.6992 | | |
| 10% | -1.282678 | -3.573506 | Obs | 11,323 |
| 25% | -.66739 | -3.397892 | Sum of Wgt. | 11,323 |
| 50% | .0038706 | | Mean | 1.64e-07 |
| | | Largest | Std. Dev. | .9999998 |
| 75% | .6737731 | 3.720892 | | |
| 90% | 1.290869 | 3.738692 | Variance | .9999996 |
| 95% | 1.639817 | 3.87743 | Skewness | -.016582 |
| 99% | 2.306971 | 3.965719 | Kurtosis | 3.017121 |

emp2015

| | | | | |
|-----|-------------|----------|-------------|----------|
| | Percentiles | Smallest | | |
| 1% | .07177 | .0019719 | | |
| 5% | .5718291 | .0020292 | | |
| 10% | 1.66121 | .0020583 | Obs | 11,323 |
| 25% | 10.40051 | .0022601 | Sum of Wgt. | 11,323 |
| 50% | 81.39024 | | Mean | 7111.033 |
| | | Largest | Std. Dev. | 117154.6 |
| 75% | 681.9145 | 3237150 | | |
| 90% | 3942.272 | 3576776 | Variance | 1.37e+10 |
| 95% | 12254.85 | 4356531 | Skewness | 49.56077 |
| 99% | 88698.71 | 8824411 | Kurtosis | 3179.901 |

wages15

| | | | | |
|-----|-------------|----------|-------------|----------|
| | Percentiles | Smallest | | |
| 1% | .1941784 | .0006544 | | |
| 5% | 2.884551 | .000822 | | |
| 10% | 11.1158 | .0033407 | Obs | 11,323 |
| 25% | 114.6014 | .0036057 | Sum of Wgt. | 11,323 |
| 50% | 1537.861 | | Mean | 1966556 |
| | | Largest | Std. Dev. | 5.99e+07 |
| 75% | 19989.56 | 1.17e+09 | | |
| 90% | 200032.7 | 1.32e+09 | Variance | 3.59e+15 |
| 95% | 851244.9 | 1.81e+09 | Skewness | 73.88568 |
| 99% | 1.16e+07 | 5.52e+09 | Kurtosis | 6472.332 |

debts15

| | | | | |
|-----|-------------|----------|-------------|----------|
| | Percentiles | Smallest | | |
| 1% | .8394383 | .8188565 | | |
| 5% | .9225472 | .8189443 | | |
| 10% | 1.029485 | .8192155 | Obs | 11,323 |
| 25% | 1.267199 | .8192772 | Sum of Wgt. | 11,323 |
| 50% | 1.649484 | | Mean | 1.76176 |
| | | Largest | Std. Dev. | .6339302 |
| 75% | 2.124929 | 3.666363 | | |
| 90% | 2.64385 | 3.666803 | Variance | .4018675 |
| 95% | 3.073339 | 3.667783 | Skewness | .7983175 |
| 99% | 3.507359 | 3.668482 | Kurtosis | 3.165366 |

C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
 > g_deleteEXP\04_results\02_Descriptive_Analysis\summarystats.tex
 dir : seeout


```

87.
88. //      Categorical variables
89.      tab PORT

```

| Access to port | Freq. | Percent | Cum. |
|-----------------------|---------------|---------------|---------------|
| No ports within 500km | 7,366 | 65.05 | 65.05 |
| Ports within 500km | 3,957 | 34.95 | 100.00 |
| Total | 11,323 | 100.00 | |

```

90.      tab OWN

```

| Ownership | Freq. | Percent | Cum. |
|------------------|---------------|---------------|---------------|
| Listed companies | 909 | 8.03 | 8.03 |
| Subsidiaries | 2,630 | 23.23 | 31.25 |
| Independent | 4,593 | 40.56 | 71.82 |
| State | 3,191 | 28.18 | 100.00 |
| Total | 11,323 | 100.00 | |

```

91.      tab TECH

```

| Technology intensity | Freq. | Percent | Cum. |
|-----------------------------|---------------|---------------|---------------|
| Low-tech industries | 4,194 | 37.04 | 37.04 |
| Medium low-tech industries | 1,685 | 14.88 | 51.92 |
| Medium high-tech industries | 3,539 | 31.25 | 83.18 |
| High-tech industries | 1,905 | 16.82 | 100.00 |
| Total | 11,323 | 100.00 | |

```

92.      tab RD2015

```

| R&D dummy | Freq. | Percent | Cum. |
|-----------|---------------|---------------|---------------|
| 0 | 9,951 | 87.88 | 87.88 |
| 1 | 1,372 | 12.12 | 100.00 |
| Total | 11,323 | 100.00 | |

```

93.
94. *-----*
95. *      PART 2.1: Checking for Outliers
96. *-----*
97.
98. //      Employment
99.      set scheme plotplainblind

100      scatter TFP2017 emp2015, ytitle("TFP in 2017")

101      graph save $results/02_Descriptive_Analysis/emp2015_outliers.gph, ///
>      replace
(note: file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomic
> s\fdimatching_deleteEXP\04_results\02_Descriptive_Analysis\emp2015_outliers.gph not
> found)
(file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomics\fdim
> atching_deleteEXP\04_results\02_Descriptive_Analysis\emp2015_outliers.gph saved)

```

```

102
103     graph export $results/02_Descriptive_Analysis/emp2015_outliers.png, ///
104     > as(png) replace
105     (note: file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomic
106     > s\fdimatching_deleteEXP/04_results/02_Descriptive_Analysis/emp2015_outliers.png not
107     > found)
108     (file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomics\fdim
109     > atching_deleteEXP/04_results/02_Descriptive_Analysis/emp2015_outliers.png written in
110     > PNG format)
111
112
113 *****
114 *                                     PART 3: Balance Tables
115 *****
116 //                                     By treatment variable
117 iebaltab      TECH PORT ///
118 >                                     logwages2015 TFP2015 logemp2015 DEBTS2015 EXP2015 RD2015, //
119 > /
120 >                                     grpvar(FDI2016) ///
121 >                                     savetex("$results/02_Descriptive_Analysis/baltest_byfdi_pre.
122 > tex") ///
123 >                                     rowvarlabels texdoc replace
124
125     Balance table saved to:
126     C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomics\
127     > fdimatching_deleteEXP/04_results/02_Descriptive_Analysis/baltest_byfdi_pre
128     > .tex
129
130
131 //      -> Significant differences betw. treatment and control group in all respects
132 >
133
134 //                                     By FDI type (treatment arms)
135 iebaltab      TECH PORT ///
136 >                                     logwages2015 TFP2015 logemp2015 DEBTS2015 EXP2015 RD2015, //
137 > /
138 >                                     grpvar(FDITYPE2016) ///
139 >                                     savetex("$results/02_Descriptive_Analysis/baltest_fditype_pr
140 > e.tex") ///
141 >                                     rowvarlabels texdoc replace
142
143     Balance table saved to:
144     C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomics\
145     > fdimatching_deleteEXP/04_results/02_Descriptive_Analysis/baltest_fditype_p
146     > re.tex
147
148
149 end of do-file
150
151
152 *****
153 *                                     PART 3: Results
154 *****
155 *-----*
156 *      PART 3.1: Effect of FDI on TFP
157 *-----*
158
159     do $scripts/03a_Main_Results

```

```

129 /*****
>                                     MAIN RESULTS DO-FILE
> *****/
>
>                               Applied Microeconometrics
>
>                               Empirical Project
>
>                               Do-File 03a
>
>                               PURPOSE:      Estimation of the effect of FDI on TFP.
>
>                               OUTLINE:      PART 1: Several ATE estimations for      main model
>                                             PART 1.1: NN1
>                                             Part 1.2: NN5 with caliper 0.05
>                                             Part 1.3: IPW
>                                             Part 1.4: AIPW
>
> *****/
>                               PART 1: Several ATE estimations for      main model
> *****/
130
131 *-----*
132 *      PART 1.1: NN1
133 *-----*
134
135 //ATE
136 cap drop osa1
137
138 cap drop p1*
139
140 cap teffects psmatch (TFPS17) ///
>                               (FDI2016 i.($F) c.($C), logit),      ///
>                               osample(osa1) generate(p1)
139
140 outreg2 using $results/05_Tables/Table2_TFP.tex, replace dec(3) ///
> drop(i.OWN i.PORT logwages2015 TFP2015 emp2015 DEBTS2015 i.TECH RD2015) ///
> nocon eqdrop(TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP/04_results/05_Tables/Table2_TFP.tex
dir : seeout
141
142 tebalance summarize

```

Covariate balance summary

| | Raw | Matched |
|-----------------|---------------|---------------|
| Number of obs = | 11,323 | 22,646 |
| Treated obs = | 4,460 | 11,323 |
| Control obs = | 6,863 | 11,323 |

| | Standardized differences | | Variance ratio | |
|-------------------|--------------------------|------------------|-----------------|-----------------|
| | Raw | Matched | Raw | Matched |
| OWN | | | | |
| Subsidiaries | -.018354 | -.0175033 | .9769702 | .9774223 |
| Independent | .0616272 | -.0068445 | 1.02321 | .9972679 |
| State | .1016402 | .0130378 | 1.100951 | 1.01213 |
| TECH | | | | |
| Medium low-tech | .1206088 | -.0400593 | 1.263082 | .9244732 |
| Medium high-tech | -.2329159 | .0104791 | .8156583 | 1.008514 |
| High-tech in-tech | -.5425507 | .0051861 | .2855456 | 1.009211 |
| RD2015 | | | | |
| 1 | .0356507 | .016501 | 1.085768 | 1.039031 |
| logwages2015 | -.1300321 | .0174603 | .9769191 | 1.009556 |

| | | | | |
|-----------|-----------|-----------|----------|----------|
| TFP2015 | -.178877 | -.013165 | .9473458 | .9917016 |
| emp2015 | .0470091 | .0271819 | 5.49725 | 1.696765 |
| DEBTS2015 | -.0529435 | -.0040148 | 1.051101 | 1.017773 |

```

143
144 *-----*
145 *      PART 1.2: NN5 with caliper 0.05
146 *-----*
>
147      // ATE
148      cap drop osal
149      cap drop p1*
150      cap teffects psmatch (TFPS17) ///
>                                     (FDI2016 i.($F) c.($C), logit), ///
>                                     nneighbor(5) caliper(.05) osample(os
> al) generate(p1)
151                                     // 5 observations violate caliper
152
153      // Reestimate
154      cap teffects psmatch (TFPS17) ///
>                                     (FDI2016 i.($F) c.($C), logit) if o
> sal==0,      ///
>                                     nneighbor(5) caliper(.05) generate
> (p1)
155
156      outreg2 using $results/05_Tables/Table2_TFP.tex, append dec(3) ///
>      drop(i.OWN i.PORT logwages2015 TFP2015 emp2015 DEBTS2015 i.TECH RD2015) ///
>      nocon eqdrop(TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP/04_results/05_Tables/Table2_TFP.tex
dir : seeout
157
158      tebalance summarize

```

Covariate balance summary

| | Raw | Matched |
|-----------------|--------|---------|
| Number of obs = | 11,318 | 22,636 |
| Treated obs = | 4,456 | 11,318 |
| Control obs = | 6,862 | 11,318 |

| | Standardized differences | | Variance ratio | |
|-------------------|--------------------------|-----------|----------------|----------|
| | Raw | Matched | Raw | Matched |
| OWN | | | | |
| Subsidiaries | -.0190182 | -.0205252 | .976131 | .9738583 |
| Independent | .0618259 | -.0100251 | 1.023258 | .9959379 |
| State | .1020001 | .0045727 | 1.101344 | 1.004328 |
| TECH | | | | |
| Medium low-tech | .1209652 | -.0328628 | 1.263818 | .9372059 |
| Medium high-tech | -.2325048 | .0081591 | .816095 | 1.006628 |
| High-tech in-tech | -.5424366 | .0045745 | .2857586 | 1.008117 |
| RD2015 | | | | |
| 1 | .0359419 | .0166292 | 1.086462 | 1.03894 |
| logwages2015 | -.1300519 | .0082815 | .977301 | 1.00904 |
| TFP2015 | -.1787364 | -.0294567 | .9475049 | .9850587 |
| emp2015 | .0436824 | .0385463 | .5304931 | .4724067 |
| DEBTS2015 | -.0525752 | -.0086042 | 1.051687 | 1.01474 |

```

159
160 *-----*
161 *      PART 1.3: IPW
162 *-----*
163      // ATE
164      cap drop osal

```

```

165
166      teffects ipw (TFPS17) (FDI2016 i.($F) c.($C), logit),      osample(osal)

```

```

Iteration 0:  EE criterion =  4.223e-23
Iteration 1:  EE criterion =  1.805e-33

```

```

Treatment-effects estimation      Number of obs      =      11,323
Estimator      : inverse-probability weights
Outcome model  : weighted mean
Treatment model: logit

```

| TFPS17 | Coef. | Robust Std. Err. | z | P> z | [95% Conf. Interval] | |
|---------------------|------------------|------------------|--------------|--------------|----------------------|------------------|
| ATE | | | | | | |
| FDI2016 (1 vs 0) | .1221664 | .0068002 | 17.97 | 0.000 | .1088383 | .1354945 |
| POmean | | | | | | |
| FDI2016 0 | -.0682823 | .0096669 | -7.06 | 0.000 | -.0872292 | -.0493354 |

```

167      outreg2 using $results/05_Tables/Table2_TFP.tex, append dec(3) ///
>      drop(i.OWN i.PORT logwages2015 TFP2015 emp2015 DEBTS2015 i.TECH RD2015) ///
>      nocon eqdrop(TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP/04_results/05_Tables/Table2_TFP.tex
dir : seeout

```

```

168
169      tebalance summarize

```

Covariate balance summary

| | Raw | Weighted |
|-----------------|---------------|-----------------|
| Number of obs = | 11,323 | 11,323.0 |
| Treated obs = | 4,460 | 5,630.2 |
| Control obs = | 6,863 | 5,692.8 |

| | Standardized differences | | Variance ratio | |
|-------------------|--------------------------|------------------|-----------------|-----------------|
| | Raw | Weighted | Raw | Weighted |
| OWN | | | | |
| Subsidiaries | -.018354 | -.0075057 | .9769702 | .990309 |
| Independent | .0616272 | -.0006473 | 1.02321 | .9997498 |
| State | .1016402 | .0120719 | 1.100951 | 1.011322 |
| TECH | | | | |
| Medium low-tech | .1206088 | .0037312 | 1.263082 | 1.007386 |
| Medium high-tech | -.2329159 | -.0001227 | .8156583 | .9999017 |
| High-tech in-tech | -.5425507 | -.0102215 | .2855456 | .9817943 |
| RD2015 | | | | |
| 1 | .0356507 | .0088614 | 1.085768 | 1.020464 |
| logwages2015 | -.1300321 | -.0016836 | .9769191 | 1.003246 |
| TFP2015 | -.178877 | -.0199601 | .9473458 | .9420373 |
| emp2015 | .0470091 | .0126666 | 5.49725 | 1.243208 |
| DEBTS2015 | -.0529435 | -.0129979 | 1.051101 | 1.016256 |

```

170
171 *-----*
172 *      PART 1.4: AIWP
173 *-----*
>
174      // ATE
175      cap drop osal

176
177      teffects aipw (TFP2017 ($F) ($C) ) (FDI2016 i. ($F) c. ($C) )

```

```

Iteration 0:  EE criterion = 4.223e-23
Iteration 1:  EE criterion = 3.941e-32

```

```

Treatment-effects estimation      Number of obs      =      11,323
Estimator      : augmented IPW
Outcome model  : linear by ML
Treatment model: logit

```

| TFP2017 | Coef. | Robust Std. Err. | z | P> z | [95% Conf. Interval] | |
|---------------------|----------|---------------------|--------|-------|----------------------|----------|
| ATE | | | | | | |
| FDI2016 (1 vs 0) | .2918229 | .0061911 | 47.14 | 0.000 | .2796885 | .3039572 |
| POMean | | | | | | |
| FDI2016 0 | 3.539684 | .0195128 | 181.40 | 0.000 | 3.501439 | 3.577928 |

```

178
179      outreg2 using $results/05_Tables/Table2_TFP.tex, append dec(3) ///
>      drop(i.OWN i.PORT logwages2015 TFP2015 emp2015 DEBTS2015 i.TECH RD2015) ///
>      nocon eqdrop(OME0 OME1 TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP/04_results/05_Tables/Table2_TFP.tex
dir : seeout

```

```

180
181      tebalance summarize

```

Covariate balance summary

| | Raw | Weighted |
|-----------------|--------|----------|
| Number of obs = | 11,323 | 11,323.0 |
| Treated obs = | 4,460 | 5,630.2 |
| Control obs = | 6,863 | 5,692.8 |

| | Standardized differences | | Variance ratio | |
|-------------------|--------------------------|-----------|----------------|----------|
| | Raw | Weighted | Raw | Weighted |
| OWN | | | | |
| Subsidiaries | -.018354 | -.0075057 | .9769702 | .990309 |
| Independent | .0616272 | -.0006473 | 1.02321 | .9997498 |
| State | .1016402 | .0120719 | 1.100951 | 1.011322 |
| TECH | | | | |
| Medium low-tech | .1206088 | .0037312 | 1.263082 | 1.007386 |
| Medium high-tech | -.2329159 | -.0001227 | .8156583 | .9999017 |
| High-tech in-tech | -.5425507 | -.0102215 | .2855456 | .9817943 |
| RD2015 | | | | |
| 1 | .0356507 | .0088614 | 1.085768 | 1.020464 |
| logwages2015 | -.1300321 | -.0016836 | .9769191 | 1.003246 |
| TFP2015 | -.178877 | -.0199601 | .9473458 | .9420373 |
| emp2015 | .0470091 | .0126666 | 5.49725 | 1.243208 |
| DEBTS2015 | -.0529435 | -.0129979 | 1.051101 | 1.016256 |

```

182
183
184     end of do-file

185
186 *-----*
187 *          PART 3.2: Robustness Checks
188 *-----*
189
190         do $scripts/03b_Robustness_Checks

191 /*****
192 >
193 >          ROBUSTNESS DO-FILE
194 > *****/
195 >
196 >          Applied Microeconometrics
197 >
198 >          Empirical Project
199 >
200 >          Do-File 03b
201 >
202 >          PURPOSE:          Robustness Checks.
203 >
204 >          OUTLINE:          PART 1: Including Interactions
205 >                           PART 2: Excluding Outliers
206 >                           PART 3: Including PORT
207 >                           PART 4: ATT
208 >                           PART 5: Analysis by TECH
209 >                           PART 6: Appendix: Frequency of FDI by TECH
210 > *****/
211 >          PART 1: Including Interactions
212 > *****/

192     cap drop osal
193
194     cap drop p1*

195     teffects psmatch (TFPS17) ///
213 >                                (FDI2016 i.($F)##c.($C), logit),    ///
214 >                                osample(osal) generate(p1)

Treatment-effects estimation      Number of obs      =      11,323
Estimator      : propensity-score matching      Matches: requested =      1
Outcome model  : matching                        min =      1
Treatment model: logit                            max =      1

```

| TFPS17 | Coef. | AI Robust Std. Err. | z | P> z | [95% Conf. Interval] | |
|---------------------|-----------------|------------------------|-------------|--------------|----------------------|-----------------|
| ATE | | | | | | |
| FDI2016 (1 vs 0) | .1520598 | .0157615 | 9.65 | 0.000 | .1211679 | .1829518 |

```

196
197     tebalance summarize

Covariate balance summary

```

| | Raw | Matched |
|-----------------|---------------|---------------|
| Number of obs = | 11,323 | 22,646 |
| Treated obs = | 4,460 | 11,323 |
| Control obs = | 6,863 | 11,323 |

| | Standardized differences | | Variance ratio | |
|----------------|--------------------------|-----------|----------------|----------|
| | Raw | Matched | Raw | Matched |
| OWN | | | | |
| Subsidiaries | -.018354 | -.0301379 | .9769702 | .9615233 |
| Independent | .0616272 | -.0196548 | 1.02321 | .9919582 |
| State | .1016402 | .0280783 | 1.100951 | 1.026604 |
| TECH | | | | |
| Medium low-t~s | .1206088 | -.016179 | 1.263082 | .9683774 |
| Medium high~s | -.2329159 | -.0260248 | .8156583 | .9785426 |
| High-tech in~s | -.5425507 | .0375841 | .2855456 | 1.067129 |
| RD2015 | | | | |
| 1 | .0356507 | .0341887 | 1.085768 | 1.080693 |
| logwages2015 | -.1300321 | .0235087 | .9769191 | 1.036729 |
| TFP2015 | -.178877 | .0069241 | .9473458 | .980012 |
| emp2015 | .0470091 | .0220187 | 5.49725 | 3.424582 |
| DEBTS2015 | -.0529435 | .0128246 | 1.051101 | .9874191 |
| OWN# | | | | |
| logwages2015 | | | | |
| Subsidiaries | -.0501523 | -.0264313 | .8787442 | .957907 |
| Independent | .0095374 | -.0051365 | .9615021 | 1.062062 |
| State | .0578536 | .0245939 | 1.020548 | 1.011841 |
| OWN# | | | | |
| TFP2015 | | | | |
| Subsidiaries | -.064156 | -.0361761 | .8276227 | .9193172 |
| Independent | -.0408866 | -.0118797 | .8831729 | 1.000839 |
| State | .0558077 | .0348481 | 1.040186 | 1.056287 |
| OWN# | | | | |
| emp2015 | | | | |
| Subsidiaries | .0333955 | .0270158 | 17.59077 | 16.69265 |
| Independent | .0268385 | -.0058267 | 3.91432 | .9369739 |
| State | .0189749 | .00586 | .5735634 | .6417643 |
| OWN# | | | | |
| DEBTS2015 | | | | |
| Subsidiaries | -.0444712 | -.0346152 | .8861299 | .9220981 |
| Independent | -.0148901 | -.0132875 | .9654587 | .9511524 |
| State | .0840856 | .0313432 | 1.078225 | 1.038717 |
| TECH# | | | | |
| logwages2015 | | | | |
| Medium low-t~s | .0985765 | -.0130018 | 1.221177 | .95976 |
| Medium high~s | -.1947846 | -.0207019 | .7998561 | .9750318 |
| High-tech in~s | -.4878963 | .0551011 | .2637228 | 1.200365 |
| TECH# | | | | |
| TFP2015 | | | | |
| Medium low-t~s | .0592069 | -.0168126 | 1.09476 | .9223716 |
| Medium high~s | -.2626395 | -.030936 | .6142341 | .9223356 |
| High-tech in~s | -.4825334 | .0340785 | .2214855 | 1.141804 |
| TECH# | | | | |
| emp2015 | | | | |
| Medium low-t~s | .0099385 | -.0232465 | .1033668 | .0229633 |
| Medium high~s | .0215945 | .0060306 | .4923478 | .1691328 |
| High-tech in~s | .023925 | .0399947 | 2.37245 | 1.036049 |
| TECH# | | | | |
| DEBTS2015 | | | | |
| Medium low-t~s | .0875624 | -.0089829 | 1.216558 | .9383764 |
| Medium high~s | -.1987245 | -.0020756 | .7404538 | 1.01959 |
| High-tech in~s | -.4597713 | .0262805 | .2304414 | 1.072064 |
| RD2015# | | | | |
| logwages2015 | | | | |

| | | | | |
|-----------|----------|----------|----------|----------|
| 1 | .0055913 | .0333829 | .9912599 | 1.099438 |
| RD2015# | | | | |
| TFP2015 | | | | |
| 1 | .0080044 | .0475566 | .9791256 | 1.254495 |
| RD2015# | | | | |
| emp2015 | | | | |
| 1 | .0639848 | .0382383 | 31.03198 | 8.471608 |
| RD2015# | | | | |
| DEBTS2015 | | | | |
| 1 | .0328123 | .0266122 | 1.167688 | 1.085422 |

```

198
199      outreg2 using $results/05_Tables/Table6_Robustness.tex, replace dec(3) ///
>      drop(i.OWN i.TECH logwages2015 TFP2015 emp2015 DEBTS2015 RD2015) ///
>      nocon eqdrop(TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP/04_results/05_Tables/Table6_Robustness.tex
dir : seeout

```

```

200
201 *****
202 *          PART 2: Excluding Outliers
203 *****
204
205      cap drop osal
206
207      cap drop p1*
208
209      cap teffects psmatch (TFPS17) ///
>                                     (FDI2016 i.($F) c.($C), logit) if e
> mp2015<4000000,                    ///
>                                     osample(osal) generate(p1)
208
209      tebalance summarize

```

Covariate balance summary

| | Raw | Matched |
|-----------------|--------|---------|
| Number of obs = | 11,321 | 22,642 |
| Treated obs = | 4,458 | 11,321 |
| Control obs = | 6,863 | 11,321 |

| | Standardized differences | | Variance ratio | |
|-------------------|--------------------------|-----------|----------------|----------|
| | Raw | Matched | Raw | Matched |
| OWN | | | | |
| Subsidiaries | -.0186455 | -.0214674 | .9766001 | .9725788 |
| Independent | .0615581 | -.0041437 | 1.023189 | .9983425 |
| State | .1019412 | .0054729 | 1.101223 | 1.005197 |
| TECH | | | | |
| Medium low-tech | .1208152 | -.0380474 | 1.263528 | .9282785 |
| Medium high-tech | -.2326559 | .0078187 | .8159034 | 1.006379 |
| High-tech in-tech | -.5424529 | .0047152 | .2856663 | 1.00837 |
| RD2015 | | | | |
| 1 | .0358227 | .0032695 | 1.086184 | 1.007708 |
| logwages2015 | -.1301697 | .0098616 | .9772428 | .9891245 |
| TFP2015 | -.1790158 | -.01456 | .9477123 | .9622371 |
| emp2015 | .0415358 | .0517651 | 1.120857 | 1.126963 |
| DEBTS2015 | -.0528498 | -.0106762 | 1.051515 | .9991066 |

```

210
211      outreg2 using $results/05_Tables/Table6_Robustness.tex, append dec(3) ///
>      drop(i.OWN i.TECH logwages2015 TFP2015 emp2015 DEBTS2015 RD2015) ///
>      nocon eqdrop(TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP/04_results/05_Tables/Table6_Robustness.tex
dir : seeout

```

```

212
213 *****
214 *                PART 3: Including PORT
215 *****
216
217 global P "OWN TECH RD2015 PORT"

```

```

218
219      cap drop osal
220
221      cap teffects psmatch (TFPS17) ///
>                                (FDI2016 i.($P) c.($C), logit),          ///
>                                osample(osal) generate(p1)
222
223      tebalance summarize

```

Covariate balance summary

| | Raw | Matched |
|-----------------|---------------|---------------|
| Number of obs = | 11,323 | 22,646 |
| Treated obs = | 4,460 | 11,323 |
| Control obs = | 6,863 | 11,323 |

| | Standardized differences | | Variance ratio | |
|-------------------|--------------------------|------------------|-----------------|-----------------|
| | Raw | Matched | Raw | Matched |
| OWN | | | | |
| Subsidiaries | -.018354 | -.0200286 | .9769702 | .97423 |
| Independent | .0616272 | .0032353 | 1.02321 | 1.001221 |
| State | .1016402 | -.0052983 | 1.100951 | .9948827 |
| TECH | | | | |
| Medium low-tech | .1206088 | -.0586116 | 1.263082 | .8913964 |
| Medium high-tech | -.2329159 | -.002487 | .8156583 | .9979324 |
| High-tech in-tech | -.5425507 | .0329806 | .2855456 | 1.058948 |
| RD2015 | | | | |
| 1 | .0356507 | .0246992 | 1.085768 | 1.058193 |
| PORT | | | | |
| Ports within-m | .4092869 | .0661913 | 1.253595 | 1.041592 |
| logwages2015 | -.1300321 | .0176969 | .9769191 | 1.037866 |
| TFP2015 | -.178877 | -.0131356 | .9473458 | .9480748 |
| emp2015 | .0470091 | .0419073 | 5.49725 | 3.052481 |
| DEBTS2015 | -.0529435 | -.019821 | 1.051101 | 1.007143 |

```

224
225      outreg2 using $results/05_Tables/Table6_Robustness.tex, append dec(3) ///
>      drop(i.OWN i.TECH i.PORT logwages2015 TFP2015 emp2015 DEBTS2015 RD2015) ///
>      nocon eqdrop(TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP\04_results\05_Tables\Table6_Robustness.tex
dir : seeout

```

```

226
227 *****
228 *                PART 4: ATT
229 *****
230
231      cap drop osa1
232
233      cap drop pl*
234
235      cap teffects psmatch (TFPS17) ///
>                                     (FDI2016 i.($F) c.($C), logit), atet
>      ///
>                                     osample(osa1) generate(pl)
234
235      tebalance summarize

```

Covariate balance summary

| | Raw | Matched |
|-----------------|---------------|--------------|
| Number of obs = | 11,323 | 8,920 |
| Treated obs = | 4,460 | 4,460 |
| Control obs = | 6,863 | 4,460 |

| | Standardized differences | | Variance ratio | |
|-------------------|--------------------------|------------------|-----------------|-----------------|
| | Raw | Matched | Raw | Matched |
| OWN | | | | |
| Subsidiaries | -.018354 | .010732 | .9769702 | 1.014212 |
| Independent | .0616272 | .0099883 | 1.02321 | 1.00318 |
| State | .1016402 | -.0294066 | 1.100951 | .9770547 |
| TECH | | | | |
| Medium low-tech | .1206088 | -.0553476 | 1.263082 | .9143962 |
| Medium high-tech | -.2329159 | .0145945 | .8156583 | 1.017453 |
| High-tech in-tech | -.5425507 | .0039358 | .2855456 | 1.015497 |
| RD2015 | | | | |
| 1 | .0356507 | .0196597 | 1.085768 | 1.045608 |
| logwages2015 | -.1300321 | .0080137 | .9769191 | .9922576 |
| TFP2015 | -.178877 | -.0156447 | .9473458 | 1.002034 |
| emp2015 | .0470091 | .0210317 | 5.49725 | 2.356114 |
| DEBTS2015 | -.0529435 | -.0152205 | 1.051101 | 1.029529 |

```

236
237      outreg2 using $results/05_Tables/Table6_Robustness.tex, append dec(3) ///
>      drop(i.OWN i.TECH logwages2015 TFP2015 emp2015 DEBTS2015 RD2015) ///
>      nocon eqdrop(TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP\04_results\05_Tables\Table6_Robustness.tex
dir : seeout

```

```

238
239 *****
240 *                PART 5: Analysis by TECH
241 *****
242
243 *=====*
244 * (1) NN1 TECH=1
245 *=====*
246
247         cap drop osal
248
249         cap drop pl
250
251         teffects psmatch (TFPS17) ///
>                                     (FDI2016 i.($F) c.($C), logit) if TECH==1,
>         ///
>                                     osample(osal) generate(pl)
note: 1.TECH omitted because of collinearity

```

```

Treatment-effects estimation      Number of obs      =      4,194
Estimator      : propensity-score matching      Matches: requested =      1
Outcome model  : matching                      min =      1
Treatment model: logit                        max =      1

```

| TFPS17 | Coef. | AI Robust Std. Err. | z | P> z | [95% Conf. Interval] | |
|---------------------|----------|------------------------|------|-------|----------------------|----------|
| ATE | | | | | | |
| FDI2016 (1 vs 0) | .1600066 | .0195613 | 8.18 | 0.000 | .1216672 | .1983461 |

```

250
251         tebalance summarize

```

Covariate balance summary

| | Raw | Matched |
|-----------------|-------|---------|
| Number of obs = | 4,194 | 8,388 |
| Treated obs = | 2,325 | 4,194 |
| Control obs = | 1,869 | 4,194 |

| | Standardized differences | | Variance ratio | |
|--------------|--------------------------|-----------|----------------|----------|
| | Raw | Matched | Raw | Matched |
| OWN | | | | |
| Subsidiaries | .0299781 | .0150625 | 1.036398 | 1.018467 |
| Independent | .0057604 | -.0071951 | 1.001373 | .9984236 |
| State | -.0250578 | -.0015653 | .9786308 | .9986098 |
| RD2015 | | | | |
| 1 | .0165825 | -.0014964 | 1.041031 | .9963872 |
| logwages2015 | -.0219915 | .0051526 | 1.012966 | 1.058301 |
| TFP2015 | .0072539 | .0099917 | .9676072 | 1.008227 |
| emp2015 | .0253438 | -.0031803 | 4.356693 | 1.864609 |
| DEBTS2015 | -.0474876 | .0088166 | 1.031416 | .9736994 |

```

252
253      outreg2 using $results/05 Tables/Table7 Robustness.tex, replace dec(3) ///
>      drop(i.OWN i.TECH i.PORT logwages2015 TFP2015 emp2015 DEBTS2015 RD2015) ///
>      nocon eqdrop(TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP/04_results/05_Tables/Table7_Robustness.tex
dir : seeout

```

```

254
255 *=====*
256 * (2) NN1 TECH=2
257 *=====*
258
259      cap drop osal

260      cap drop p1

261      teffects psmatch (TFPS17) ///
>                                     (FDI2016 i.($F) c.($C), logit) if TECH==2,
>      ///
>                                     osample(osal) generate(p1)
note: 2.TECH omitted because of collinearity

```

```

Treatment-effects estimation      Number of obs      =      1,685
Estimator      : propensity-score matching      Matches: requested =      1
Outcome model  : matching                        min =      1
Treatment model: logit                            max =      1

```

| | TFPS17 | Coef. | AI Robust Std. Err. | z | P> z | [95% Conf. Interval] | |
|------------|---------------------|-----------------|------------------------|-------------|--------------|----------------------|-----------------|
| ATE | | | | | | | |
| | FDI2016 (1 vs 0) | .0864057 | .02799 | 3.09 | 0.002 | .0315463 | .1412652 |

```

262
263      tebalance summarize

```

Covariate balance summary

| | Raw | Matched |
|-----------------|--------------|--------------|
| Number of obs = | 1,685 | 3,370 |
| Treated obs = | 781 | 1,685 |
| Control obs = | 904 | 1,685 |

| | Standardized differences | | Variance ratio | |
|--------------|--------------------------|------------------|-----------------|-----------------|
| | Raw | Matched | Raw | Matched |
| OWN | | | | |
| Subsidiaries | -.0789459 | -.0222737 | .9057037 | .9730349 |
| Independent | .0356487 | .0449057 | 1.015483 | 1.019382 |
| State | .094977 | -.0685426 | 1.082362 | .9424559 |
| RD2015 | | | | |
| 1 | .0196745 | .010822 | 1.04555 | 1.025096 |
| logwages2015 | -.0321255 | .0186688 | .9187912 | .9609082 |
| TFP2015 | -.1550946 | -.0443829 | .9364425 | .971122 |
| emp2015 | .0032877 | .0284799 | .0754936 | .1191435 |
| DEBTS2015 | -.0426368 | -.0683897 | .9498591 | .9548114 |

```

264
265      outreg2 using $results/05 Tables/Table7 Robustness.tex, append dec(3) ///
>      drop(i.OWN i.TECH i.PORT logwages2015 TFP2015 emp2015 DEBTS2015 RD2015) ///
>      nocon eqdrop(TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP/04_results/05_Tables/Table7_Robustness.tex
dir : seeout

```

```

266
267 *=====*
268 * (3) NN1 TECH=3
269 *=====*
270
271      cap drop osal
272
273      cap drop p1
274
275      teffects psmatch (TFPS17) ///
>                                     (FDI2016 i.($F) c.($C), logit) if TECH==3,
>      ///
>                                     osample(osal) generate(p1)
note: 3.TECH omitted because of collinearity

```

```

Treatment-effects estimation      Number of obs      =      3,539
Estimator      : propensity-score matching      Matches: requested =      1
Outcome model  : matching                      min =      1
Treatment model: logit                      max =      1

```

| | TFPS17 | Coef. | AI Robust Std. Err. | z | P> z | [95% Conf. Interval] | |
|------------|---------------------|----------|------------------------|------|-------|----------------------|----------|
| ATE | | | | | | | |
| | FDI2016 (1 vs 0) | .1721028 | .018644 | 9.23 | 0.000 | .1355612 | .2086444 |

```

274
275      tebalance summarize

```

Covariate balance summary

| | Raw | Matched |
|-----------------|-------|---------|
| Number of obs = | 3,539 | 7,078 |
| Treated obs = | 1,107 | 3,539 |
| Control obs = | 2,432 | 3,539 |

| | Standardized differences | | Variance ratio | |
|--------------|--------------------------|-----------|----------------|----------|
| | Raw | Matched | Raw | Matched |
| OWN | | | | |
| Subsidiaries | -.1276748 | .0379035 | .8473309 | 1.04502 |
| Independent | .0120872 | -.0217603 | 1.004115 | .9928833 |
| State | .1432813 | -.0069098 | 1.136897 | .9933102 |
| RD2015 | | | | |
| 1 | .0824806 | .0169456 | 1.193028 | 1.038603 |
| logwages2015 | .0255104 | -.0187561 | .9997901 | 1.053611 |
| TFP2015 | -.2410387 | .0237954 | .9260925 | .983687 |
| emp2015 | .074703 | .0528976 | .6929332 | .4838172 |
| DEBTS2015 | -.0640427 | -.0229667 | 1.051649 | 1.008139 |

```

276
277      outreg2 using $results/05 Tables/Table7 Robustness.tex, append dec(3) ///
>      drop(i.OWN i.TECH i.PORT logwages2015 TFP2015 emp2015 DEBTS2015 RD2015) ///
>      nocon eqdrop(TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP/04_results/05_Tables/Table7_Robustness.tex
dir : seeout

```

```

278
279 *=====*
280 * (4) NN1 TECH=4
281 *=====*
282
283      cap drop osal
284
285      cap drop p1
286
287      teffects psmatch (TFPS17) ///
>                                     (FDI2016 i.($F) c.($C), logit) if TECH==4,
>      ///
>                                     osample(osal) generate(p1)
note: 4.TECH omitted because of collinearity

```

```

Treatment-effects estimation      Number of obs      =      1,905
Estimator      : propensity-score matching      Matches: requested =      1
Outcome model  : matching                      min =      1
Treatment model: logit                      max =      1

```

| | TFPS17 | Coef. | AI Robust Std. Err. | z | P> z | [95% Conf. Interval] | |
|------------|---------------------|----------|------------------------|------|-------|----------------------|----------|
| ATE | | | | | | | |
| | FDI2016 (1 vs 0) | .1802721 | .0541962 | 3.33 | 0.001 | .0740494 | .2864947 |

```

286      tebalance summarize
>

```

Covariate balance summary

| | Raw | Matched |
|-----------------|-------|---------|
| Number of obs = | 1,905 | 3,810 |
| Treated obs = | 247 | 1,905 |
| Control obs = | 1,658 | 1,905 |

| | Standardized differences | | Variance ratio | |
|--------------|--------------------------|-----------|----------------|----------|
| | Raw | Matched | Raw | Matched |
| OWN | | | | |
| Subsidiaries | -.0779614 | .0826873 | .8814802 | 1.126006 |
| Independent | .0522384 | -.047133 | 1.044866 | .9587982 |
| State | .1691889 | -.0427479 | 1.241433 | .9400229 |
| RD2015 | | | | |
| 1 | .0789006 | .0224257 | 1.201598 | 1.053092 |
| logwages2015 | -.0580162 | .1881349 | 1.050215 | 1.12134 |
| TFP2015 | -.2259366 | .0580305 | 1.027535 | 1.144253 |
| emp2015 | .2584443 | .152738 | 9.989972 | 1.226081 |
| DEBTS2015 | -.1862477 | .0230111 | 1.1001 | 1.019314 |

```

287
288      outreg2 using $results/05_Tables/Table7_Robustness.tex, append dec(3) ///
>      drop(i.OWN i.TECH i.PORT logwages2015 TFP2015 emp2015 DEBTS2015 RD2015) ///
>      nocon eqdrop(TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP/04_results/05_Tables/Table7_Robustness.tex
dir : seeout

289
290      // Calculating ATE weighted by each sample size:
291      display ///
>      (0.1600066*4194+0.0864057*1685+0.1721028*3539+0.1802721*1905)/11232
.15750992

292      /*= 0.15750992*/
293
294
295 *****
296 *          PART 6: Appendix: Frequency of FDI by TECH
297 *****
298
299      tab2 TECH FDI2016, row

```

-> tabulation of TECH by FDI2016

| Key |
|-----------------------|
| <i>frequency</i> |
| <i>row percentage</i> |

| Technology intensity | FDI/TREATMENT dummy in 2016 | | Total |
|-----------------------|--------------------------------|----------------|------------------|
| | 0 | 1 | |
| Low-tech industries | 1,869 44.56 | 2,325 55.44 | 4,194 100.00 |
| Medium low-tech indus | 904 53.65 | 781 46.35 | 1,685 100.00 |
| Medium high-tech indu | 2,432 68.72 | 1,107 31.28 | 3,539 100.00 |
| High-tech industries | 1,658 87.03 | 247 12.97 | 1,905 100.00 |
| Total | 6,863 60.61 | 4,460 39.39 | 11,323 100.00 |

```

300
301      tabout TECH FDI2016 using $results/05_Tables/Table7a_Robustness.tex, ///
>      cells(freq row cum) format(0 1) style(tex) clab(No. Col_ % Cum_%) replace

Table output written to: C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Mic
> roeconometrics\fdimatching_deleteEXP/04_results/05_Tables/Table7a_Robustness.tex

& \multicolumn{9}{c}{FDI/TREATMENT dummy in 2016} \\
Technology intensity & \multicolumn{3}{c}{0} & \multicolumn{3}{c}{1} & \multicolumn{3}{c}{} \\
> {c}{Total} \\
&No.&Col & %&Cum & %&No.&Col & %&Cum & %&No.&Col & %&Cum & % \\
\hline
Low-tech industries&1869&44.6&27.2&2325&55.4&52.1&4194&100.0&37.0 \\
Medium low-tech industries&904&53.6&40.4&781&46.4&69.6&1685&100.0&51.9 \\
Medium high-tech industries&2432&68.7&75.8&1107&31.3&94.5&3539&100.0&83.2 \\
High-tech industries&1658&87.0&100.0&247&13.0&100.0&1905&100.0&100.0 \\
Total&6863&60.6&44.6&4460&39.4&11323&100.0& \\

```



```

302 end of do-file

303
304 *-----*
305 *      PART 3.3: Analysis by Type of FDI
306 *-----*
307
308 do $scripts/03c_by_FDITYPE

309 /*****
>                                     BY FDI TYPE DO-FILE
> *****/
>
> Applied Microeconometrics
>
> Empirical Project
>
> Do-File 03c
>
> PURPOSE:      Estimation of the effect of different types of FDI o
> n TFP.
>
> OUTLINE:      PART 1: Multinomial Logit Models
>                  1.1: AIPW
>                  1.2: IPW
> PART 2: Seperate Models
>                  2.1 AIPW
> *****/
> PART 1: Multinomial Logit Models
> *****/
310
311 *-----*
312 *      PART 1.1:      AIPW
313 *-----*
314
315 teffects aipw (TFPS17 i.($F) c.($C) ) (FDITYPE2016 i.($F) c.($C) )

```

```

Iteration 0:  EE criterion = 5.541e-20
Iteration 1:  EE criterion = 2.373e-33

```

```

Treatment-effects estimation      Number of obs      =      11,323
Estimator      : augmented IPW
Outcome model   : linear by ML
Treatment model: (multinomial) logit

```

| TFPS17 | Coef. | Robust Std. Err. | z | P> z | [95% Conf. Interval] | |
|---|-----------|---------------------|-------|-------|----------------------|-----------|
| ATE | | | | | | |
| FDITYPE2016 (Exports-.. vs No FDI) | .1435197 | .0058746 | 24.43 | 0.000 | .1320058 | .1550337 |
| (Technolo.. vs No FDI) | .1394529 | .0045442 | 30.69 | 0.000 | .1305465 | .1483593 |
| (Domesti.. vs No FDI) | .1432132 | .0040598 | 35.28 | 0.000 | .1352561 | .1511702 |
| POMean | | | | | | |
| FDITYPE2016 No FDI | -.0565761 | .0094884 | -5.96 | 0.000 | -.0751731 | -.0379792 |

```

316
317      teffects overlap, ptlevel(1) ///
>      saving($results\04_bytype\bytype_overlap_11.gph, replace)
(note: file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomic
> s\fdimatching_deleteEXP\04_results\04_bytype\bytype_overlap_11.gph not found)
(file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomics\fdim
> atching_deleteEXP\04_results\04_bytype\bytype_overlap_11.gph saved)

318
319      teffects overlap, ptlevel(2) ///
>      saving($results\04_bytype\bytype_overlap_12.gph, replace)
(note: file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomic
> s\fdimatching_deleteEXP\04_results\04_bytype\bytype_overlap_12.gph not found)
(file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomics\fdim
> atching_deleteEXP\04_results\04_bytype\bytype_overlap_12.gph saved)

320
321      teffects overlap, ptlevel(3) ///
>      saving($results\04_bytype\bytype_overlap_13.gph, replace)
(note: file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomic
> s\fdimatching_deleteEXP\04_results\04_bytype\bytype_overlap_13.gph not found)
(file C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomics\fdim
> atching_deleteEXP\04_results\04_bytype\bytype_overlap_13.gph saved)

322
323      outreg2 using $results\04_bytype\bytype_table_1.tex, replace dec(3) ///
>      drop(OWN TECH RD2015 logwages2015 TFP2015 emp2015 DEBTS2015) ///
>      nocon eqdrop(OME0 OME1 OME2 OME3 TME1 TME2 TME3) lab()
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconomics\fdimatchin
> g_deleteEXP\04_results\04_bytype\bytype_table_1.tex
dir : seeout

324
325      tebalance summarize

```

Covariate balance summary

| | | Observations | |
|---------------|---|--------------|----------|
| Treatment | | Raw | Weighted |
| No FDI | = | 6,863 | 2,845.1 |
| Exports-ori~I | = | 940 | 2,863.3 |
| Technology ~I | = | 1,555 | 2,800.4 |
| Domestic ma~I | = | 1,965 | 2,814.2 |
| Total | = | 11,323 | 11,323.0 |

| | Standardized differences | | Variance ratio | |
|-------------------------|--------------------------|-----------|----------------|----------|
| | Raw | Weighted | Raw | Weighted |
| Exports-orient~I | | | | |
| OWN | | | | |
| Subsidiaries | .029319 | -.0159056 | 1.037004 | .9793819 |
| Independent | .0711904 | -.0519146 | 1.026993 | .977249 |
| State | .0619914 | .0177173 | 1.064555 | 1.016531 |
| TECH | | | | |
| Medium low-tech | .0789971 | -.0130459 | 1.173675 | .974177 |
| Medium high-tech | -.2663044 | -.0193414 | .7842619 | .9838819 |
| High-tech in-tech | -.5946766 | .0430247 | .222571 | 1.076075 |
| RD2015 | | | | |
| 1 | -.1977282 | .0562092 | .5536423 | 1.130642 |
| logwages2015 | -.1833482 | -.0587338 | .9447749 | .9103155 |
| TFP2015 | -.2141912 | .0133092 | .9704629 | 1.001579 |
| emp2015 | .0249499 | .0555541 | .3077821 | .5456246 |
| DEBTS2015 | -.0665162 | .0400558 | 1.024821 | .9617875 |
| Technology in~I | | | | |
| OWN | | | | |
| Subsidiaries | -.0227822 | .0149411 | .9717411 | 1.019102 |

| | | | | |
|------------------------|----------------------|-----------------------|---------------------|----------------------|
| Independent State | .0312067 .1341894 | -.0110143 .0156322 | 1.013148 1.12989 | .9956038 1.01462 |
| TECH | | | | |
| Medium low-tech | .1501373 | .0016789 | 1.327181 | 1.003328 |
| Medium high-tech | -.2403611 | -.0011011 | .8089302 | .9991046 |
| High-tech in-tech | -.5607553 | -.0181223 | .2633246 | .9676973 |
| RD2015 | | | | |
| 1 | -.0894951 | -.0019277 | .7908312 | .9955541 |
| logwages2015 | -.1365085 | -.0151862 | .9818968 | 1.023026 |
| TFP2015 | -.2091214 | -.0276276 | .9481316 | .9447849 |
| emp2015 | .0498435 | .0196187 | 10.65892 | 1.505357 |
| DEBTS2015 | -.0186904 | -.0394986 | 1.105096 | 1.080391 |
| Domestic market | | | | |
| OWN | | | | |
| Subsidiaries | -.0381328 | -.0094519 | .9519123 | .9877872 |
| Independent State | .0810348 .0945175 | .0179192 .0001241 | 1.02923 1.094776 | 1.006665 1.000121 |
| TECH | | | | |
| Medium low-tech | .1164522 | .001678 | 1.254467 | 1.003325 |
| Medium high-tech | -.211331 | .0001045 | .8359902 | 1.000089 |
| High-tech in-tech | -.5049792 | -.011019 | .3324869 | .9803731 |
| RD2015 | | | | |
| 1 | .2082867 | .0056421 | 1.503124 | 1.013047 |
| logwages2015 | -.0997247 | .0102345 | .9871457 | 1.013854 |
| TFP2015 | -.1378965 | -.0090628 | .9336303 | .938248 |
| emp2015 | .0558724 | .0075184 | 3.896824 | .902008 |
| DEBTS2015 | -.0741218 | -.0206654 | 1.020553 | .979131 |

```

326
327 *-----*
328 *          PART 1.2:          IPW
329 *-----*
330
331      teffects ipw (TFPS17 ) (FDITYPE2016 i.($F) c.($C))

```

```

Iteration 0:  EE criterion = 5.541e-20
Iteration 1:  EE criterion = 4.471e-33

```

```

Treatment-effects estimation      Number of obs      =      11,323
Estimator      : inverse-probability weights
Outcome model  : weighted mean
Treatment model: (multinomial) logit

```

| TFPS17 | Coef. | Robust Std. Err. | z | P> z | [95% Conf. Interval] | |
|---------------|-----------|------------------|-------|-------|----------------------|-----------|
| ATE | | | | | | |
| FDITYPE2016 | | | | | | |
| (Exports-.. | | | | | | |
| vs | | | | | | |
| No FDI) | .1570882 | .0316177 | 4.97 | 0.000 | .0951187 | .2190577 |
| (Technolo.. | | | | | | |
| vs | | | | | | |
| No FDI) | .1123436 | .0177869 | 6.32 | 0.000 | .077482 | .1472052 |
| (Domesti.. | | | | | | |
| vs | | | | | | |
| No FDI) | .1342705 | .0106457 | 12.61 | 0.000 | .1134052 | .1551357 |
| POmean | | | | | | |
| FDITYPE2016 | | | | | | |
| No FDI | -.0684059 | .0096686 | -7.08 | 0.000 | -.0873559 | -.0494558 |

```

332
333      outreg2 using $results\04 bytype\bytype table 1.tex, append dec(3) ///
>      drop(OWN TECH RD2015 logwages2015 TFP2015 emp2015 DEBTS2015) ///
>      nocon eqdrop(OME 0 OME1 OME2 OME3 TME1 TME2 TME3)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2 Appl_Microeconometrics\fdimatchin
> g_deleteEXP\04_results\04_bytype\bytype_table_1.tex
dir : seeout

```

```

334
335      tebalance summarize

```

Covariate balance summary

| | | Observations | |
|---------------|---|--------------|----------|
| Treatment | | Raw | Weighted |
| No FDI | = | 6,863 | 2,845.1 |
| Exports-ori~I | = | 940 | 2,863.3 |
| Technology ~I | = | 1,555 | 2,800.4 |
| Domestic ma~I | = | 1,965 | 2,814.2 |
| Total | = | 11,323 | 11,323.0 |

| | Standardized differences | | Variance ratio | |
|-------------------------|--------------------------|-----------|----------------|----------|
| | Raw | Weighted | Raw | Weighted |
| Exports-orient~I | | | | |
| OWN | | | | |
| Subsidiaries | .029319 | -.0159056 | 1.037004 | .9793819 |
| Independent | .0711904 | -.0519146 | 1.026993 | .977249 |
| State | .0619914 | .0177173 | 1.064555 | 1.016531 |
| TECH | | | | |
| Medium low-t~s | .0789971 | -.0130459 | 1.173675 | .974177 |
| Medium high~s | -.2663044 | -.0193414 | .7842619 | .9838819 |
| High-tech in~s | -.5946766 | .0430247 | .222571 | 1.076075 |
| RD2015 | | | | |
| 1 | -.1977282 | .0562092 | .5536423 | 1.130642 |
| logwages2015 | -.1833482 | -.0587338 | .9447749 | .9103155 |
| TFP2015 | -.2141912 | .0133092 | .9704629 | 1.001579 |
| emp2015 | .0249499 | .0555541 | .3077821 | .5456246 |
| DEBTS2015 | -.0665162 | .0400558 | 1.024821 | .9617875 |
| Technology in~I | | | | |
| OWN | | | | |
| Subsidiaries | -.0227822 | .0149411 | .9717411 | 1.019102 |
| Independent | .0312067 | -.0110143 | 1.013148 | .9956038 |
| State | .1341894 | .0156322 | 1.12989 | 1.01462 |
| TECH | | | | |
| Medium low-t~s | .1501373 | .0016789 | 1.327181 | 1.003328 |
| Medium high~s | -.2403611 | -.0011011 | .8089302 | .9991046 |
| High-tech in~s | -.5607553 | -.0181223 | .2633246 | .9676973 |
| RD2015 | | | | |
| 1 | -.0894951 | -.0019277 | .7908312 | .9955541 |
| logwages2015 | -.1365085 | -.0151862 | .9818968 | 1.023026 |
| TFP2015 | -.2091214 | -.0276276 | .9481316 | .9447849 |
| emp2015 | .0498435 | .0196187 | 10.65892 | 1.505357 |
| DEBTS2015 | -.0186904 | -.0394986 | 1.105096 | 1.080391 |
| Domestic mark~I | | | | |
| OWN | | | | |
| Subsidiaries | -.0381328 | -.0094519 | .9519123 | .9877872 |
| Independent | .0810348 | .0179192 | 1.02923 | 1.006665 |
| State | .0945175 | .0001241 | 1.094776 | 1.000121 |
| TECH | | | | |
| Medium low-t~s | .1164522 | .001678 | 1.254467 | 1.003325 |

| | | | | |
|----------------|-----------|-----------|----------|----------|
| Medium high-~s | -.211331 | .0001045 | .8359902 | 1.000089 |
| High-tech in~s | -.5049792 | -.011019 | .3324869 | .9803731 |
| RD2015 | | | | |
| 1 | .2082867 | .0056421 | 1.503124 | 1.013047 |
| logwages2015 | -.0997247 | .0102345 | .9871457 | 1.013854 |
| TFP2015 | -.1378965 | -.0090628 | .9336303 | .938248 |
| emp2015 | .0558724 | .0075184 | 3.896824 | .902008 |
| DEBTS2015 | -.0741218 | -.0206654 | 1.020553 | .979131 |

```

336
337
338 *****
339 *                               PART 2: Seperate Logit Models
340 *****
341
342 *-----*
343 *      PART 2.1:      AIPW
344 *-----*
345
346 *AIPW Logit type1
347
348      teffects aipw (TFPS17 i.($F) c.($C) ) (FDI2016 c.($C) i.($F) ) ///
>      if FDITYPE2016==1 | FDITYPE2016==0

```

```

Iteration 0:  EE criterion = 9.258e-22
Iteration 1:  EE criterion = 2.861e-33

```

```

Treatment-effects estimation      Number of obs      =      7,803
Estimator      : augmented IPW
Outcome model  : linear by ML
Treatment model: logit

```

| TFPS17 | Coef. | Robust Std. Err. | z | P> z | [95% Conf. Interval] | |
|---------------------|-----------|---------------------|-------|-------|----------------------|----------|
| ATE | | | | | | |
| FDI2016 (1 vs 0) | .1404936 | .0065984 | 21.29 | 0.000 | .1275609 | .1534263 |
| POmean | | | | | | |
| FDI2016 0 | -.0124852 | .0114371 | -1.09 | 0.275 | -.0349014 | .009931 |

```

349
350      outreg2 using $results\04_bytype\bytype_table_1.tex, append dec(3) ///
>      drop(OWN TECH RD2015 logwages2015 TFP2015 emp2015 DEBTS2015) ///
>      nocon eqdrop(OME0 OME1 TME1)
C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometrics\fdimatchin
> g_deleteEXP\04_results\04_bytype\bytype_table_1.tex
dir : seeout

```

```

351
352
353 *AIPW Logit type2
354
355      teffects aipw (TFPS17 i.($F) c.($C) ) (FDI2016 c.($C) i.($F) ) ///
>      if FDITYPE2016==2 | FDITYPE2016==0

```

```

Iteration 0:  EE criterion = 6.471e-24
Iteration 1:  EE criterion = 2.692e-33

```



```
365
366   end of do-file
367
368
369
370       log close
        name: <unnamed>
        log:  C:\Users\Emilie\Documents\Emilie\Master\Nottingham\2_Appl_Microeconometri
> cs\fdimatching_deleteEXP/log_fdi_matching.smcl
   log type:  smcl
  closed on:   9 May 2020, 10:47:13
```
