|  |
| --- |
| Table A1. Detailed results: covariate balancing using CBPS by Imai and Ratkovic (2014) for benchmark data with continuous measurement of wages |
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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | Country | Year | Data used | Difference at  | # observations |
| median (as % bias) | mean (as % bias) | WI | B |
| w\o weights | w\ CBPS weights | w\o weights | w\ CBPS weights |
| BHPS | UK | 2005 | All | 21.78 | 4.72E-07 | 26.56 | 1.12E-06 | 9062 | 10006 |
| BHPS | UK | 2006 | All | 22.72 | 8.09E-07 | 24.14 | 1.09E-06 | 19431 | 9528 |
| BHPS | UK | 2007 | All | 13.77 | 2.71E-06 | 26.72 | 3.19E-06 | 8751 | 9050 |
| BHPS | UK | 2008 | All | 15.49 | 3.34E-06 | 28.44 | 3.22E-06 | 10611 | 8855 |
| EUSES | FI | 2006 | All | 16.37 | 8.07E-06 | 18.52 | 7.98E-06 | 11232 | 289798 |
| EUSES | FI | 2010 | All | 23.69 | 2.41E-05 | 24.10 | 7.96E-05 | 1033 | 290006 |
| EUSES | FR | 2010 | All | 46.08 | 0.001603 | 49.91 | 0.001632 | 399 | 209454 |
| EUSES | DE | 2010 | All | 17.11 | 6.4E-05 | 22.09 | 6.53E-05 | 14299 | 1715734 |
| EUSES | HU | 2006 | All | 9.54 | 4.14E-05 | 10.66 | 4.34E-05 | 7124 | 746470 |
| EUSES | HU | 2010 | All | 13.42 | 0.000923 | 14.01 | 0.000879 | 487 | 804343 |
| EUSES | NL | 2002 | All | 20.90 | 5.07E-06 | 20.52 | 4.8E-06 | 10825 | 77868 |
| EUSES | NL | 2006 | All | 14.23 | 4.21E-06 | 14.17 | 3.53E-06 | 32501 | 139236 |
| EUSES | NL | 2010 | All | 12.81 | 2.49E-06 | 13.65 | 2.39E-06 | 18747 | 155622 |
| EUSES | PL | 2006 | All | 31.98 | 0.000585 | 35.49 | 0.000629 | 3005 | 635042 |
| EUSES | PL | 2010 | All | 36.59 | 0.013489 | 35.99 | 0.014498 | 106 | 663969 |
| EUSES | SK | 2010 | All | 50.17 | 0.011798 | 45.50 | 0.015037 | 123 | 741382 |
| EUSES | ES | 2006 | All | 21.46 | 2.64E-05 | 26.25 | 2.49E-05 | 4200 | 224616 |
| EUSES | ES | 2010 | All | 31.32 | 2.2E-05 | 38.51 | 1.94E-05 | 3114 | 206752 |
| EUSES | SW | 2010 | All | 35.73 | 0.00018 | 39.04 | 0.000202 | 1860 | 252740 |
| EUSES | UK | 2006 | All | 22.30 | 3.53E-06 | 21.54 | 3.31E-06 | 18045 | 119852 |
| EUSES | UK | 2010 | All | 23.89 | 7.89E-05 | 28.36 | 8.13E-05 | 1816 | 160191 |
| GSOEP | DE | 2005 | All | 36.09 | 1.41E-06 | 33.04 | 1.46E-06 | 36089 | 13205 |
| GSOEP | DE | 2006 | All | 28.36 | 7.7E-07 | 27.20 | 1.05E-06 | 35857 | 13927 |
| GSOEP | DE | 2007 | All | 27.44 | 2.02E-06 | 27.99 | 1.81E-06 | 12725 | 12960 |
| GSOEP | DE | 2008 | All | 22.51 | 1.58E-06 | 20.49 | 1.23E-06 | 26493 | 12019 |
| ISSP | AU | 2012 | All | 28.06 | 2.43E-06 | 36.47 | 5.21E-06 | 315 | 934 |
| ISSP | FI | 2005 | All | 24.34 | 1.37E-06 | 32.36 | 1.44E-06 | 4600 | 924 |
| ISSP | FI | 2006 | All | 13.41 | 4.78E-06 | 20.14 | 8.61E-06 | 14727 | 794 |
| ISSP | FI | 2007 | All | 9.39 | 1.27E-06 | 17.56 | 1.87E-06 | 2075 | 891 |
| ISSP | FI | 2008 | All | 13.35 | 5.54E-07 | 21.90 | 1.1E-06 | 7745 | 755 |
| ISSP | FI | 2009 | All | 8.82 | 3.52E-07 | 16.13 | 5.45E-07 | 4930 | 563 |
| ISSP | FI | 2010 | All | 23.59 | 2.52E-06 | 24.92 | 2.93E-06 | 1110 | 794 |
| ISSP | FI | 2012 | All | 25.24 | 2.2E-06 | 23.85 | 2.28E-06 | 465 | 755 |
| ISSP | FR | 2012 | All | 27.35 | 2.51E-05 | 32.92 | 2.72E-05 | 98 | 1512 |
| ISSP | DE | 2004 | All | 25.73 | 2.27E-06 | 30.30 | 2.25E-06 | 7095 | 896 |
| ISSP | DE | 2005 | All | 39.69 | 1.55E-06 | 40.49 | 1.48E-06 | 36089 | 1115 |
| ISSP | DE | 2006 | All | 25.37 | 6.9E-07 | 29.82 | 1.02E-06 | 35857 | 1095 |
| ISSP | DE | 2007 | All | 31.45 | 1.03E-06 | 31.30 | 1.09E-06 | 12725 | 1095 |
| ISSP | DE | 2008 | All | 23.51 | 1.66E-06 | 23.17 | 1.7E-06 | 26493 | 1091 |
| ISSP | DE | 2009 | All | 25.40 | 1.78E-06 | 23.50 | 1.89E-06 | 21484 | 927 |
| ISSP | DE | 2010 | All | 24.63 | 2.09E-06 | 27.45 | 1.95E-06 | 19459 | 928 |
| ISSP | DE | 2012 | All | 21.59 | 4.65E-06 | 23.98 | 4.95E-06 | 14541 | 1160 |
| ISSP | HU | 2006 | All | 5.84 | 2.1E-06 | 15.14 | 1.9E-06 | 8740 | 677 |
| ISSP | HU | 2008 | All | 13.38 | 3.14E-06 | 29.23 | 3.32E-06 | 1017 | 728 |
| ISSP | HU | 2009 | All | 16.91 | 2.67E-06 | 36.90 | 2.57E-06 | 476 | 771 |
| ISSP | ITA | 2008 | All | 54.90 | 1.3E-05 | 48.00 | 1.74E-05 | 331 | 654 |
| ISSP | MX | 2007 | All | 31.04 | 2.41E-06 | 38.19 | 3.8E-06 | 503 | 1218 |
| ISSP | MX | 2008 | All | 32.80 | 1.44E-06 | 42.24 | 1.9E-06 | 5748 | 1143 |
| ISSP | MX | 2010 | All | 38.92 | 1.36E-06 | 50.45 | 1.72E-06 | 3914 | 1152 |
| ISSP | MX | 2012 | All | 32.10 | 2.85E-06 | 35.05 | 5.79E-06 | 1899 | 1150 |
| ISSP | PL | 2006 | All | 28.41 | 1.41E-05 | 40.53 | 1.79E-05 | 3696 | 888 |
| ISSP | PL | 2007 | All | 24.56 | 2.83E-06 | 40.96 | 2.55E-06 | 4426 | 888 |
| ISSP | PL | 2008 | All | 21.36 | 1.85E-06 | 32.13 | 1.69E-06 | 2829 | 895 |
| ISSP | PL | 2009 | All | 28.43 | 5.6E-06 | 32.28 | 7.22E-06 | 1243 | 895 |
| ISSP | RU | 2010 | All | 28.00 | 2.05E-06 | 62.77 | 2.14E-06 | 5692 | 1104 |
| ISSP | RU | 2012 | All | 32.95 | 1.7E-06 | 59.09 | 1.93E-06 | 4445 | 990 |
| ISSP | SW | 2008 | All | 38.60 | 1.18E-05 | 46.88 | 1.45E-05 | 745 | 816 |
| ISSP | SW | 2009 | All | 26.37 | 4.7E-06 | 35.28 | 6.32E-06 | 1249 | 739 |
| ISSP | SW | 2010 | All | 27.20 | 3.17E-06 | 33.76 | 3.9E-06 | 2125 | 758 |
| ISSP | UKR | 2009 | All | 63.06 | 1.38E-05 | 83.18 | 1.67E-05 | 722 | 1395 |
| ISSP | HU | 2007 | *a* | 5.69 | 1.1E-06 | 14.36 | 1.04E-06 | 3245 | 762 |
| ISSP | UK | 2008 | *a* | 19.35 | 1.93E-06 | 26.49 | 1.8E-06 | 10611 | 1908 |
| Other | AR | 2007 | All | 27.12 | 7E-06 | 43.62 | 7.28E-06 | 12278 | 30232 |
| Other | AR | 2008 | All | 35.64 | 2.25E-05 | 41.70 | 2.3E-05 | 4095 | 60794 |
| Other | AR | 2009 | All | 32.31 | 3.36E-05 | 39.52 | 3.97E-05 | 4042 | 58520 |
| Other | AR | 2010 | All | 26.73 | 7.5E-06 | 37.08 | 8.99E-06 | 7668 | 58016 |
| Other | AR | 2011 | All | 23.24 | 8.31E-06 | 32.67 | 1.3E-05 | 7174 | 57807 |
| Other | AR | 2012 | All | 27.07 | 2.18E-05 | 39.36 | 2.17E-05 | 4775 | 56278 |
| Other | FR | 2008 | All | 30.48 | 0.000626 | 34.37 | 0.000827 | 334 | 120894 |
| Other | FR | 2010 | All | 33.76 | 0.003915 | 39.20 | 0.006734 | 537 | 166313 |
| Other | FR | 2011 | All | 25.66 | 0.00555 | 29.43 | 0.006321 | 183 | 173410 |
| Other | FR | 2012 | All | 31.28 | 0.007897 | 32.85 | 0.008608 | 83 | 171263 |
| Other | HU | 2006 | All | 14.63 | 8.74E-05 | 27.29 | 8.01E-05 | 6859 | 500735 |
| Other | HU | 2007 | All | 27.36 | 0.000221 | 29.05 | 0.000386 | 1150 | 479976 |
| Other | HU | 2008 | All | 29.75 | 0.001155 | 32.44 | 0.001103 | 718 | 452161 |
| Other | HU | 2009 | All | 31.98 | 0.002384 | 33.41 | 0.002041 | 333 | 468573 |
| Other | HU | 2010 | All | 20.61 | 0.001677 | 27.90 | 0.001646 | 400 | 467188 |
| Other | HU | 2011 | All | 9.92 | 0.002345 | 26.93 | 0.002462 | 427 | 459585 |
| Other | HU | 2012 | All | 25.16 | 0.003102 | 32.21 | 0.002961 | 274 | 473677 |
| Other | PL | 2005 | All | 43.45 | 5.55E-06 | 45.94 | 5.72E-06 | 3853 | 11742 |
| Other | PL | 2006 | All | 48.00 | 3.03E-06 | 42.59 | 5.36E-06 | 3024 | 8481 |
| Other | PL | 2007 | All | 20.82 | 5.58E-06 | 38.83 | 4.67E-06 | 3787 | 10201 |
| Other | PL | 2008 | All | 21.15 | 2.08E-06 | 35.32 | 2.07E-06 | 2522 | 9282 |
| Other | PL | 2009 | All | 43.48 | 3.82E-06 | 39.40 | 6.1E-06 | 883 | 9178 |
| Other | RU | 2010 | All | 23.84 | 1.33E-05 | 50.71 | 1.69E-05 | 5203 | 8130 |
| Other | RU | 2011 | All | 23.64 | 7.06E-06 | 43.24 | 1.11E-05 | 2719 | 8040 |
| Other | UK | 2004 | All | 13.45 | 5.12E-05 | 12.80 | 8.57E-05 | 465 | 121800 |
| Other | UK | 2005 | All | 16.95 | 1.73E-05 | 19.06 | 1.79E-05 | 8619 | 148979 |
| Other | UK | 2006 | All | 16.49 | 4.85E-06 | 17.78 | 5.81E-06 | 18152 | 156102 |
| Other | UK | 2007 | All | 14.99 | 2.52E-05 | 18.58 | 2.1E-05 | 7314 | 153173 |
| Other | UK | 2008 | All | 16.48 | 9.25E-06 | 21.42 | 9.6E-06 | 9691 | 149629 |
| Other | UK | 2009 | All | 21.30 | 0.000102 | 28.00 | 0.000173 | 1777 | 141254 |
| Other | UK | 2010 | All | 19.19 | 4.8E-05 | 21.30 | 5.38E-05 | 1831 | 135081 |
| Other | UK | 2011 | All | 26.58 | 6.23E-05 | 32.50 | 7.45E-05 | 1327 | 132048 |
| Others | BL | 2011 | *a* | 49.14 | 1.1E-06 | 71.77 | 4.06E-06 | 26190 | 8814 |

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| *Notes:* the table presents the detailed results of the paper using our preferred weights: Imai and Ratkovic (2014)covariate balancing propensity score (CBPS). WI denotes data from WI project. B denotes benchmark nationally representative data. The number of observations differs between Tables A1 and A2, A3 or A4, because Table A1 reports all the records, whereas Tables A2, A3 and A4 only those records, which contain the wage data, hourly wage data and categorical wage data, respectively. Wage data may be missing for individual records in both WI and benchmark samples, hence creating room for contribution of characteristics to differences in wage distributions.Sources in the group others are the Household Budget Survey, for Belarus; the Structure of Earnings Survey for Hungary; the Russia Longitudinal Monitoring Survey for Russia; and the Labor Force Survey for Argentina, France, Poland and the United Kingdom. Column *Data used* indicates whether the sample was included in all stages of the analysis. *a* denotes datasets where only total wages could be used (missing information on hours). Estimated bias after CBPS are expressed as multipliers of 10^(-e). |