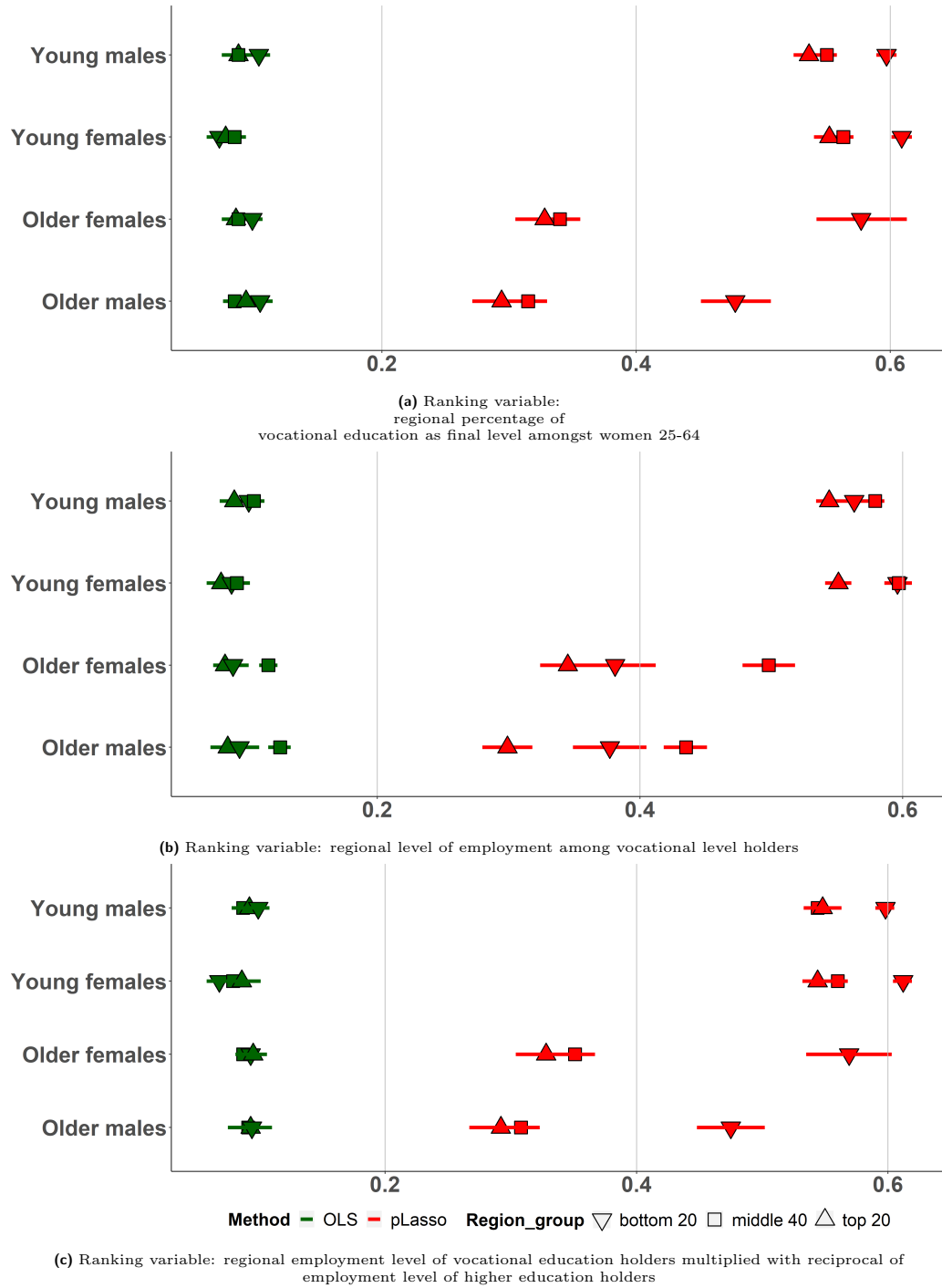


dtbn

Variable	Group	Top 20	Middle 40	Bottom 20	Whole Sample
edu_yrs	Female older	13.38 (2.62)	13.91 (2.73)	13.91 (2.7)	13.76 (2.71)
	Female young	14.09 (2.75)	14.55 (2.66)	14.8 (2.61)	14.49 (2.68)
	Male older	12.51 (2.34)	13.21 (2.66)	13.26 (2.68)	13.03 (2.6)
	Male young	13.04 (2.58)	13.83 (2.74)	14.02 (2.75)	13.67 (2.73)
wage	Female older	19379.02 (11665.53)	27784.51 (18811.94)	26329.79 (16935.15)	25132.36 (17104.73)
	Female young	19731.68 (10639.46)	30433.91 (20443.96)	27890.92 (16672.82)	27170.08 (18149.23)
	Male older	26392.05 (18023.65)	36872.17 (26937.81)	35302.24 (24426.05)	33650.33 (24684.13)
	Male young	31539.2 (18744.09)	40202.54 (24260.45)	37103.45 (24277.62)	37266.07 (23242.51)
Priority regions					Resp. Adygeya, Pskovskaya Obl., Altayskiy Kray, Kurganskaya Obl., Resp. Kalmykiya, Chuvashskaya Resp., Res. Altay, Resp. Karelia, Resp. Tyva, Resp. Mariy El

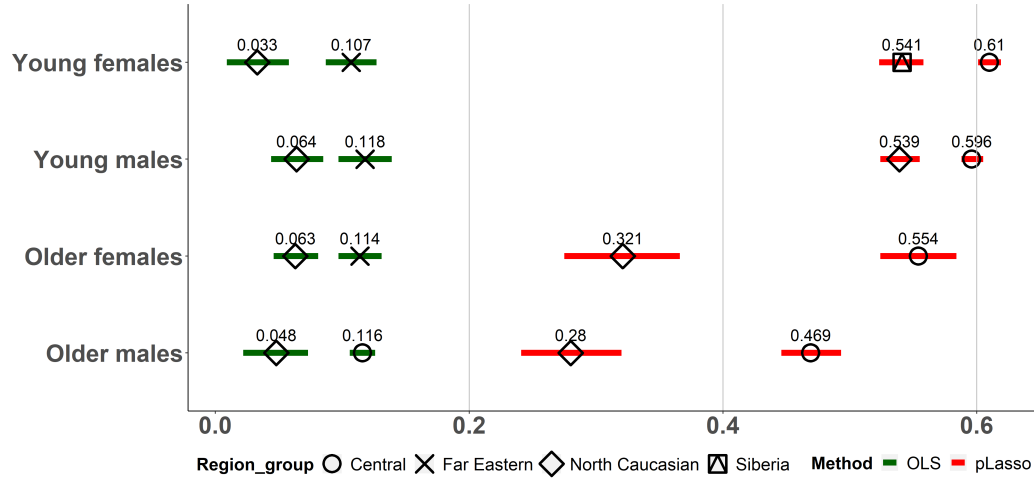
This is where authors provide additional information about the data, including whatever notes are needed.

Variable	Group	Top 20
edu_yrs	Female older	13.38 (2.62)
	Female young	14.09 (2.75)
	Male older	12.51 (2.34)
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	Female young	19731.68 (10639.46)
	Male older	26392.05 (18023.65)
	Male young	31539.2 (18744.09)
Priority regions		Pskovskaya Oblast, Respublika Karelia, Respublika Mariy El



**Figure 1:** Returns to Education Estimates and 95% CIs for Post-Lasso and OLS by Cohorts and Ranked Groups of Regions

IVs	Female_young	N1	Female_old	N2	Male_young	N3	Male_old
high_n	1.959 (0.229)	9779	0.857 (0.042)	11564	0.787 (0.047)	10636	0.64 (0.02)
HSGPER	1.717 (0.174)	9779	0.887 (0.044)	11564	0.754 (0.043)	10636	0.636 (0.0)
slz	1.34 (0.195)	9779	0.602 (0.041)	11564	0.648 (0.06)	10636	0.501 (0.0)
migrationrate	1.429 (0.163)	9779	0.796 (0.05)	11564	0.625 (0.045)	10636	0.534 (0.0)
women2menratio	-0.439 (0.609)	9779	-0.99 (0.731)	11564	-0.105 (0.154)	10636	-2.998 (5.
marriagerate	2.312 (0.536)	9779	2.18 (0.477)	11564	2.638 (0.705)	10636	1.988 (0.3)
fem_ind_prop	1.677 (0.218)	9779	0.985 (0.079)	11564	0.829 (0.066)	10636	0.663 (0.0)
Literacy_97	1.868 (0.232)	6834	0.912 (0.053)	7860	0.726 (0.044)	7247	0.641 (0.0)
OLS	0.092 (0.003)	9775	0.107 (0.003)	11560	0.103 (0.003)	10632	0.114 (0.0)



**Figure 2:** Returns to Education Estimates and 95% CIs for Post-Lasso, 2SLS, and OLS by Cohorts

**Table 1:** Descriptive Statistics, RLMS

Year	N	Wage		Experience		Education years		Secondary Percent	Education	
		Mean	SD	Mean	SD	Mean	SD		Vocational Percent	Higher Percent
1994	3044	272761.9	347856.1	21.4	9.6	12.7	2.3	22.3	50.4	27.3
1995	2694	557844.7	621599.5	21.7	9.6	12.7	2.2	22.3	47.8	29.8
1996	2282	817936.7	1004035.7	21.6	9.6	12.8	2.2	19.7	48.6	31.7
1998	3102	906.3	950.7	22.3	9.6	12.7	2.2	19.8	52.0	28.2
2000	3215	1821.3	2570.5	22.3	10.0	12.7	2.2	20.3	51.3	28.4
2001	3605	2681.0	2849.6	22.0	9.8	12.8	2.2	19.8	49.3	30.9
2002	3803	3612.8	4316.0	22.0	9.9	12.8	2.1	19.3	49.9	30.8
2003	3858	4378.6	4014.0	22.2	10.1	12.8	2.2	19.1	49.4	31.5
2004	3968	5379.0	4918.5	22.0	10.2	12.8	2.2	18.4	50.3	31.2
2005	3913	6637.9	5716.1	22.1	10.4	12.8	2.2	18.4	49.6	32.0
2006	4804	8089.9	6563.9	22.2	10.4	12.8	2.2	18.0	50.9	31.1
2007	4726	9662.5	7124.7	22.5	10.6	12.8	2.2	18.5	50.2	31.3
2008	4827	12826.3	10784.5	22.6	10.8	12.9	2.3	17.9	47.8	34.3
2009	4804	13363.1	10411.4	22.5	11.0	12.9	2.3	16.6	47.9	35.5
2010	7326	14769.9	12587.1	22.6	11.1	13.0	2.3	16.9	48.1	34.9
2011	7167	16226.8	12855.5	22.5	11.1	13.0	2.3	18.0	46.9	35.1
2012	7428	18880.7	15119.0	22.5	11.2	13.0	2.4	18.2	45.9	35.9
2013	7327	20601.4	16411.5	22.5	11.2	13.1	2.3	17.0	46.7	36.3
2014	6148	22772.6	17288.4	22.3	11.1	13.1	2.3	16.5	45.8	37.7
2015	6231	23570.7	16996.4	22.2	11.2	13.2	2.3	15.2	44.4	40.4
2016	6297	24951.1	18640.7	22.3	11.1	13.3	2.3	14.7	43.6	41.8
2017	6359	26254.1	19555.4	22.4	11.0	13.3	2.3	14.0	45.0	40.9
2018	6121	28081.0	19705.8	22.5	10.8	13.3	2.3	13.8	45.0	41.2

**Table 3:** Returns to Education from Instrumental Variables: Russia, 2018

	Females	Males
edu_yrs	0.143 (8.19)	0.0798 (3.43)
exper	0.0313 (5.65)	0.0303 (4.30)
exper2	-0.0006 (-5.99)	-0.0007 (-5.61)
urban	0.161 (5.51)	0.180 (5.69)
constant	7.501 (27.00)	8.833 (26.65)
<i>N</i>	2222	1694
Centered $R^2$	0.083	0.131
Partial $R^2$ for excluded instruments in the first stage	0.105	0.093
F-test	43.63	34.43
<i>p-value</i>	0.000	0.000
Pagan–Hall for heteroskedasticity	5.780	9.973
<i>p-value</i>	0.762	0.267
Kleibergen–Paap rk LM statistic (underidentification test)	200.607	132.985
<i>p-value</i>	0.000	0.000
Sargan–Hansen J statistic (overidentification test)	10.395	20.158
<i>p-value</i>	0.065	0.0005
Hausman endogeneity test	17.243	1.099
<i>p-value</i>	0.000	0.295

*Note:*  $z$  statistics in parentheses

*Source:* RLMS

**Table 2:** Schooling Equations: Russia, 2018

	Females	Males
prestige_family	0.0204 (6.65)	0.0237 (6.57)
edu_family	0.111 (7.64)	0.0823 (5.01)
Permskiy_Krai	-0.660 (-2.78)	-0.891 (-3.72)
Tverskaya_Oblast	-0.560 (-2.31)	
Krasnoyarskiy_Kray	-1.287 (-4.32)	
Rostovskaya_Oblast	-0.825 (-2.74)	
exper	-0.120 (-8.13)	-0.153 (-7.71)
exper2	0.00129 (4.34)	0.00198 (5.05)
urban	0.520 (5.43)	0.795 (7.49)
Tambovskaya_Oblast		-0.923 (-3.92)
Kabardino_Balkarskaya_Resp		1.382 (2.40)
Constant	13.18 (55.35)	12.74 (41.77)
$N$	2222	1694
adj. $R^2$	0.2266	0.2359
F-value	73.32	66.35

$t$  statistics in parentheses