AK Replication a la Bayes

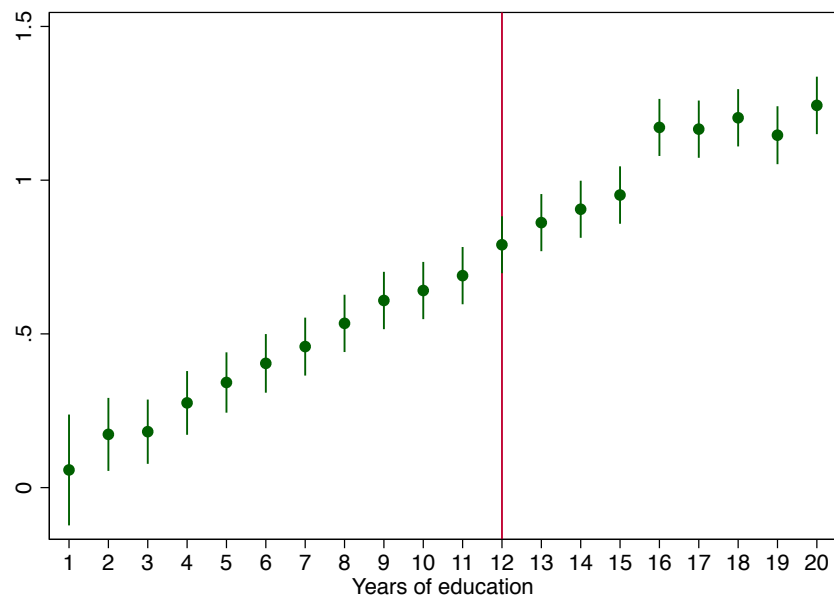Rachel Anderson

September 21, 2018

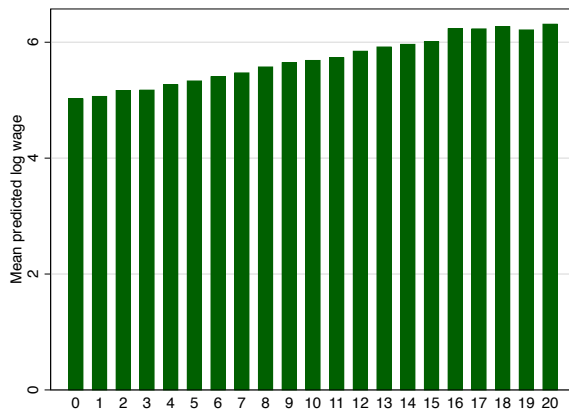Figure 1: Plot of OLS coefficients for education variables

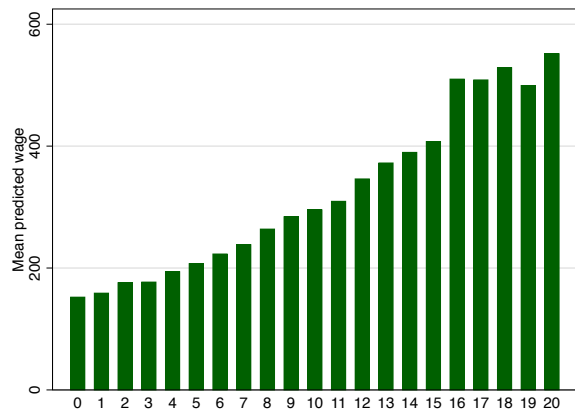Figure 2: Predicted log-wage by education level

Figure 3: Predicted wage by education level

Table 1: OLS results using year/place of birth fixed effects and education dummies

	logwage
educ1	0.0574
	(0.0920)
educ2	0.173
	(0.0606)
educ3	0.182
	(0.0533)
educ4	0.275
	(0.0529)
educ5	0.342
	(0.0501)
educ6	0.404
	(0.0486)
educ7	0.459
	(0.0481)
educ8	0.534
	(0.0475)
educ9	0.609
	(0.0476)
educ10	0.641
	(0.0475)
educ11	0.689
	(0.0475)
educ12	0.790
	(0.0472)
educ13	0.862
	(0.0474)
educ14	0.905
	(0.0474)
educ15	0.952
	(0.0476)
educ16	1.172
	(0.0473)
educ17	1.166
	(0.0475)
educ18	1.203
	(0.0475)
educ19	1.146
	(0.0481)
educ20	1.243
	(0.0477)
_cons	4.962
	(0.0478)
N	329509

Table 2: IV resultst

	(1) iv1	(2) iv2	(3) iv3	(4) iv4
educ	0.103 (0.0195)	0.0677 (0.0706)	0.108 (0.0196)	0.0446 (0.0773)
highSchool		0.245 (0.477)		0.439 (0.520)
_cons	4.590 (0.249)	4.846 (0.557)	4.492 (0.222)	4.944 (0.579)
N	329509	329509	329509	329509

Table 3: First stage results

	e(first) educ
rmse	3.280751
sheapr2	.0003095
pr2	.0003095
F	34.00945
df	3
df_r	329505
pvalue	5.74e-22
SWF	34.00945
SWFdf1	3
SWFdf2	329505
SWFp	5.74e-22
SWchi2	102.0296
SWchi2p	5.69e-22
SWr2	.0003095
APF	34.00945
APFdf1	3
APFdf2	329505
APFp	5.74e-22
APchi2	102.0296
APchi2p	5.69e-22
APr2	.0003095