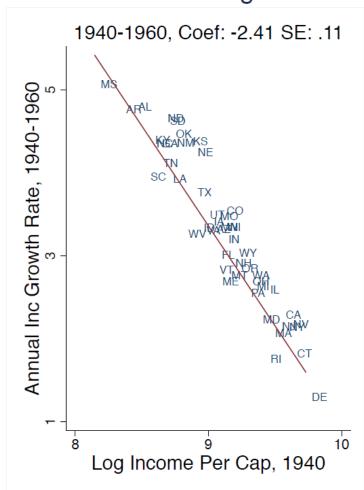
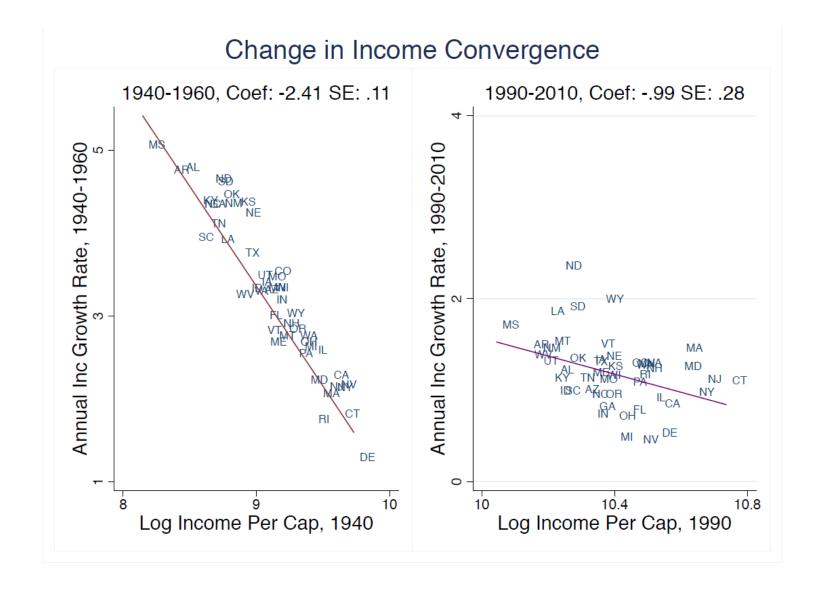
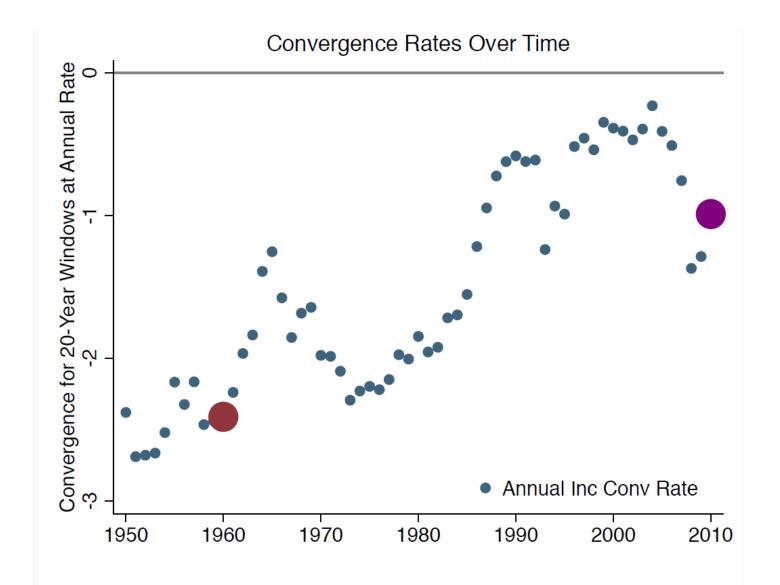
Why Has Regional Income Convergence in the U.S. Stopped?

Peter Ganong and Daniel Shoag, Harvard

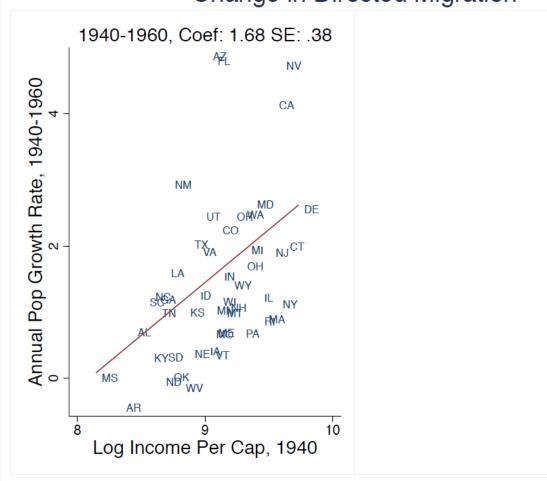




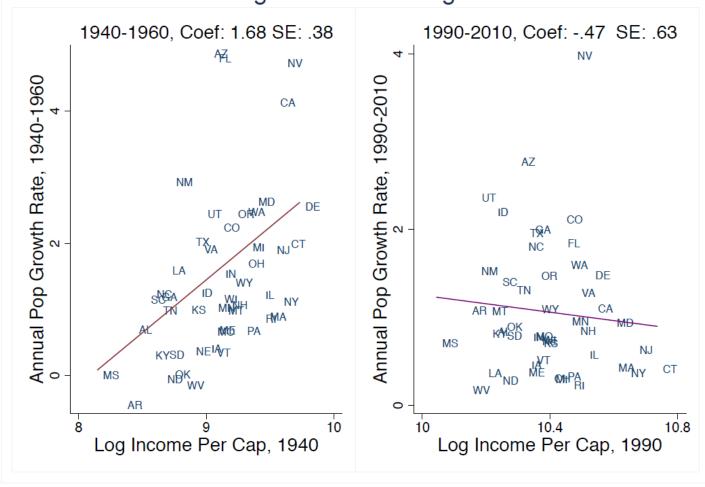


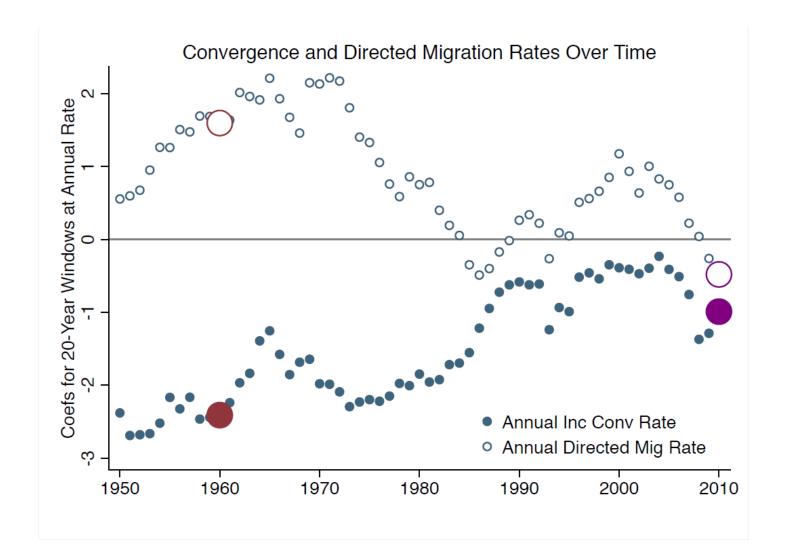


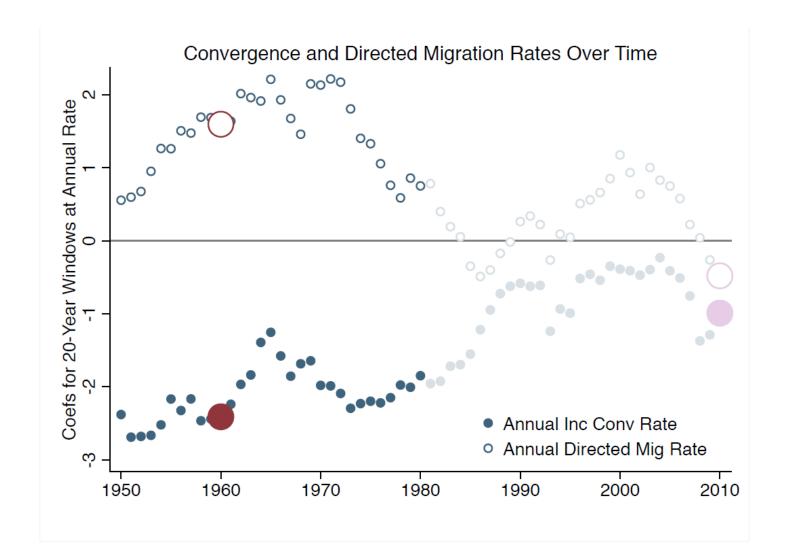


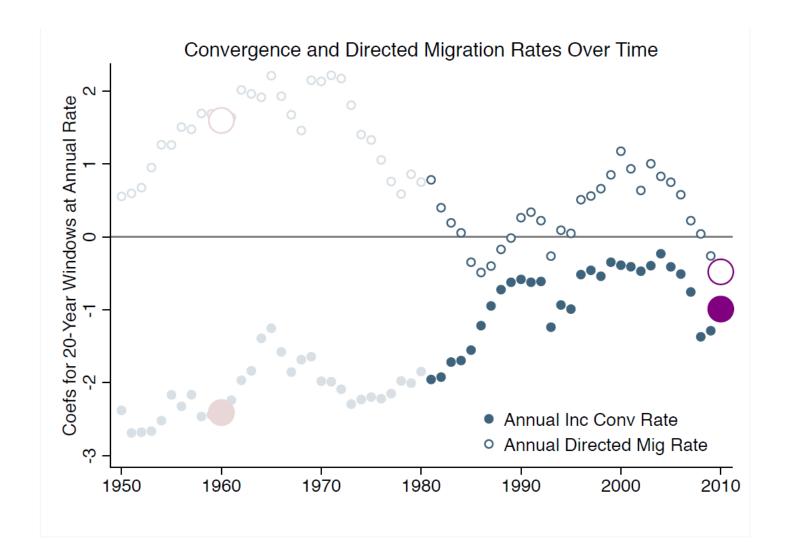




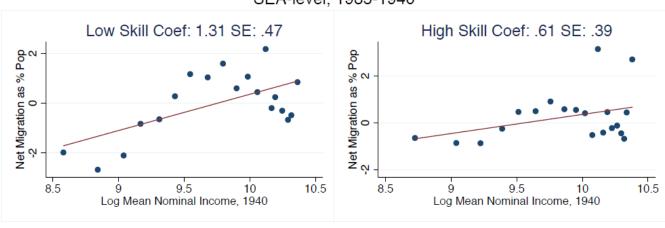






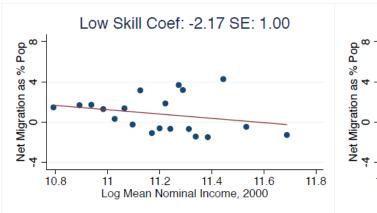


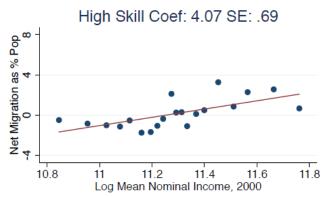
Nominal Income and Net Migration SEA-level, 1935-1940



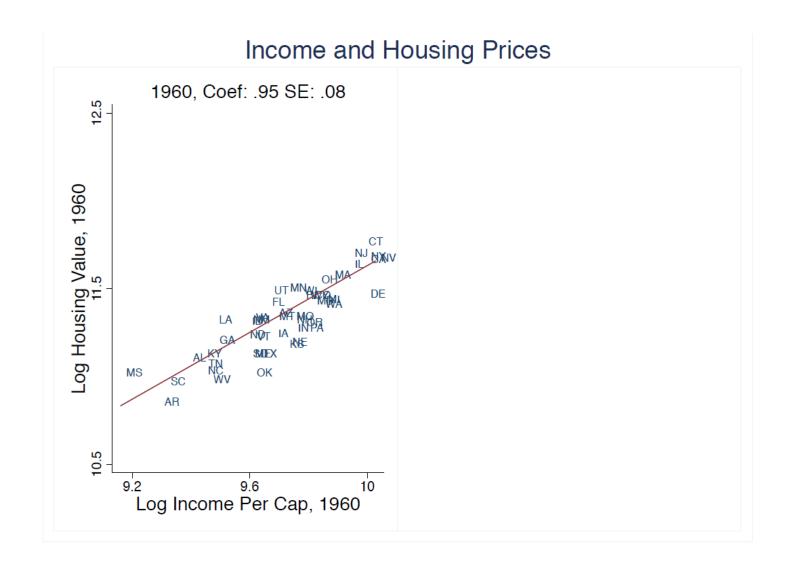
Nominal Income and Net Migration SEA-level, 1935-1940 Low Skill Coef: 1.31 SE: .47 High Skill Coef: .61 SE: .39 Net Migration as % Pop -2 0 2 Net Migration as % Pop 2 2 10.5 10.5 9 9.5 10 Log Mean Nominal Income, 1940 9 9.5 10 Log Mean Nominal Income, 1940 8.5 8.5 Real Income and Net Migration Low Skill: 1.23 SE: .36 High Skill Coef: .77 SE: .40 Net Migration as % Pop 2 0 Net Migration as % Pop 0 Ņ 10.5 8 8.5 9 9.5 10 Log Mean (Income-Housing Cost) for Low Skilled, 1940 9 9.5 10 10.5 Log Mean (Income-Housing Cost) for High Skilled, 1940

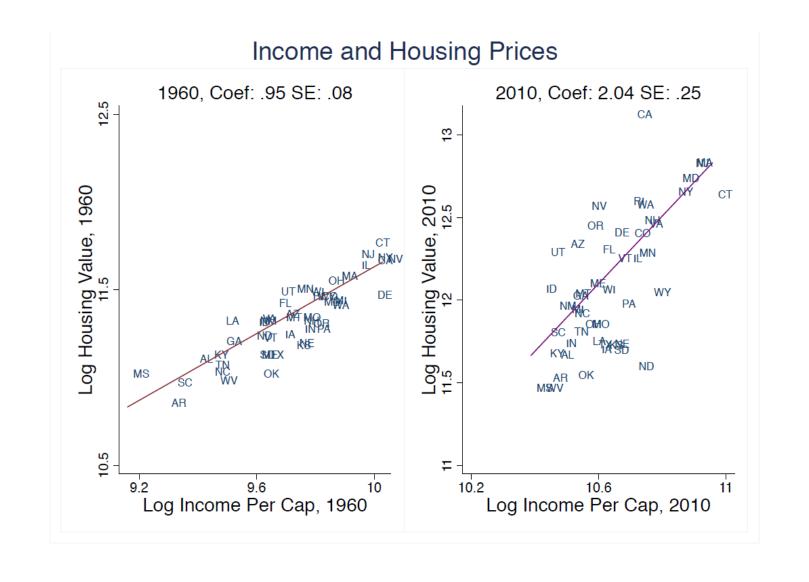
Nominal Income and Net Migration PUMA-level, 1995-2000

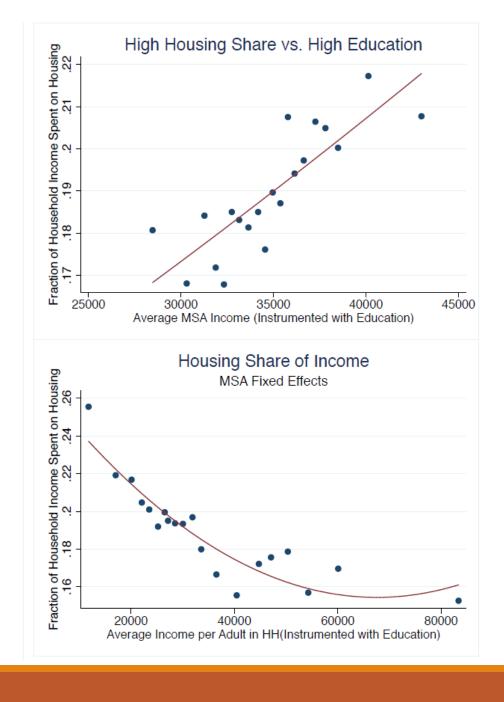




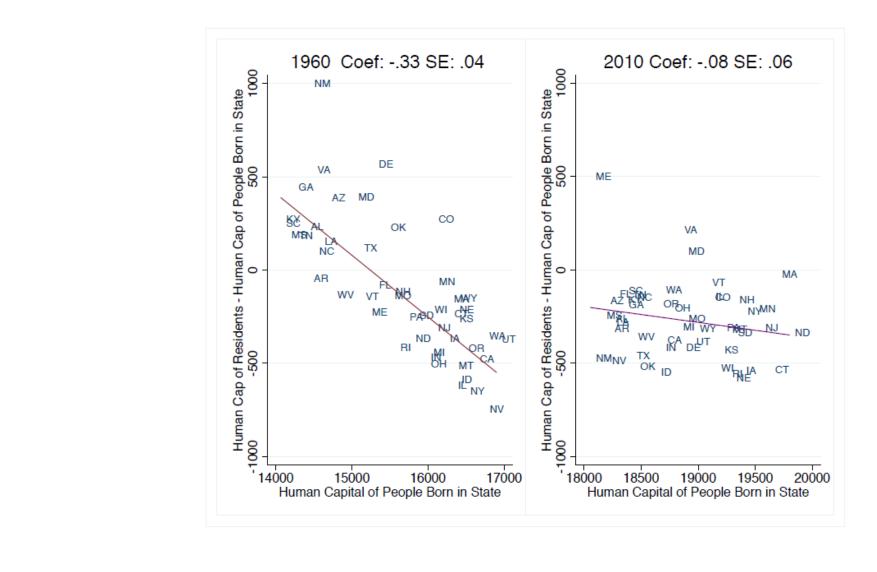
Nominal Income and Net Migration PUMA-level, 1995-2000 Low Skill Coef: -2.17 SE: 1.00 High Skill Coef: 4.07 SE: .69 Net Migration as % Pop 4 8 Net Migration as % Pop 4 8 11.8 11.8 11 11.2 11.4 11.6 Log Mean Nominal Income, 2000 11 11.2 11.4 11.6 Log Mean Nominal Income, 2000 10.8 11.6 10.8 11.6 Real Income and Net Migration Low Skill Coef: 4.30 SE: 2.00 High Skill Coef: 4.71 SE: .89 Net Migration as % Pop 0 4 Net Migration as 10.4 10.6 10.8 11 11.2 Log Mean (Income-Housing Cost) for Low Skill, 2000 11 11.2 11.4 11.6 11.8 Log Mean (Income-Housing Cost) for High Skill, 2000 11.2 10.4

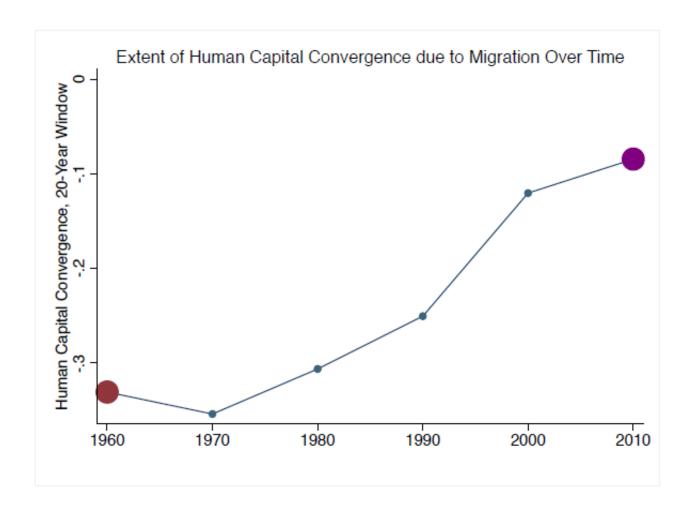




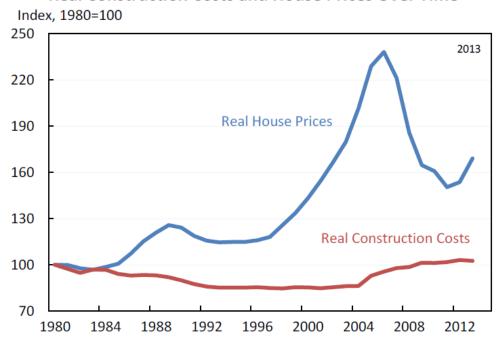


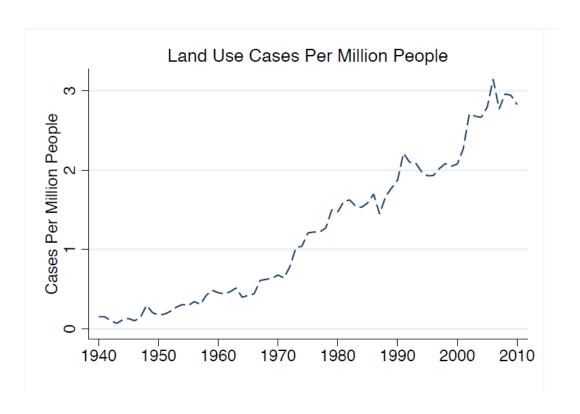


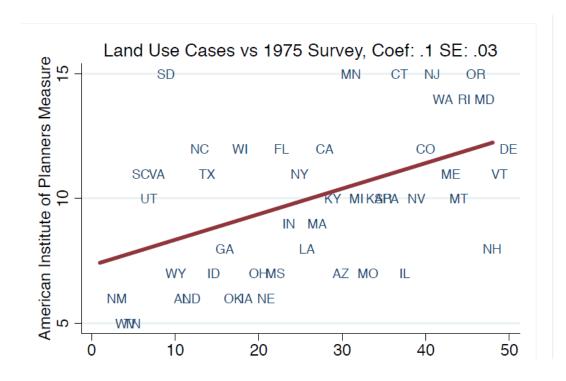


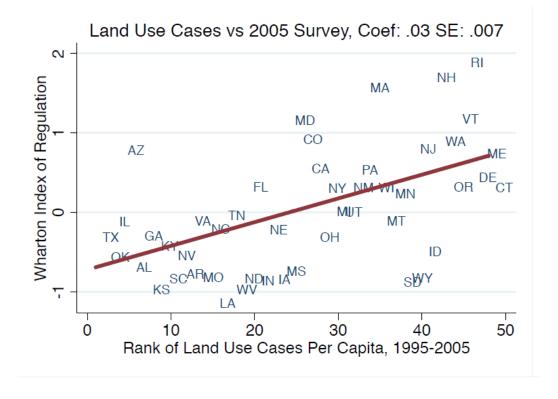


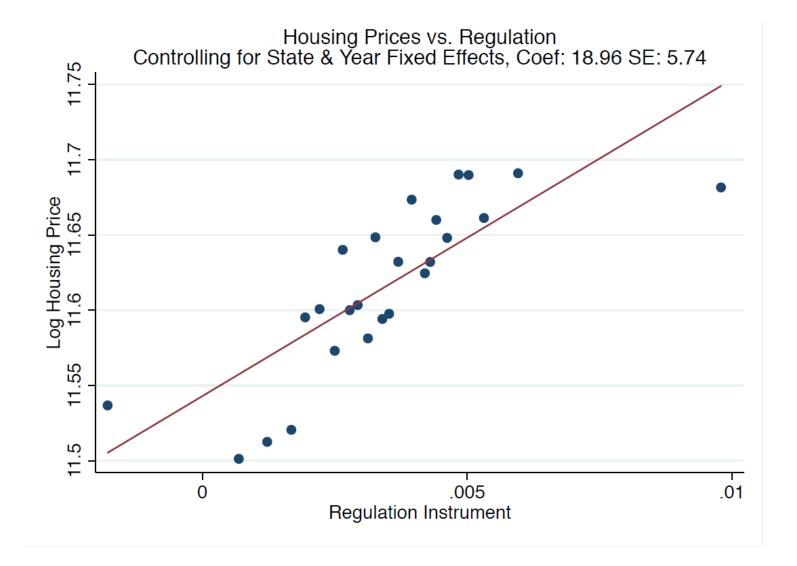
Real Construction Costs and House Prices Over Time

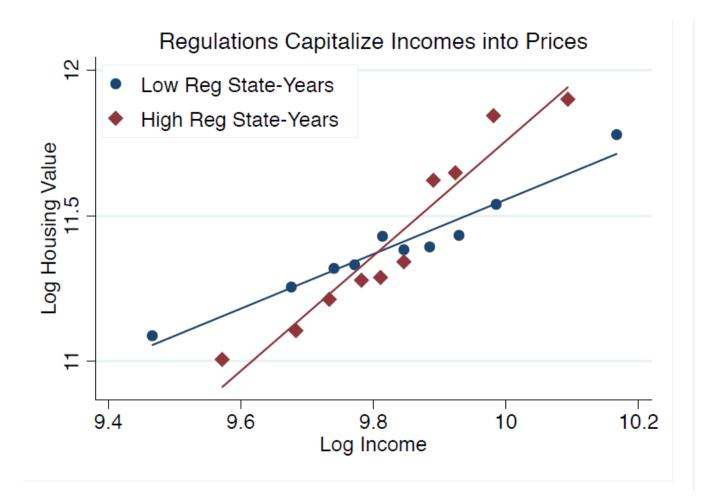




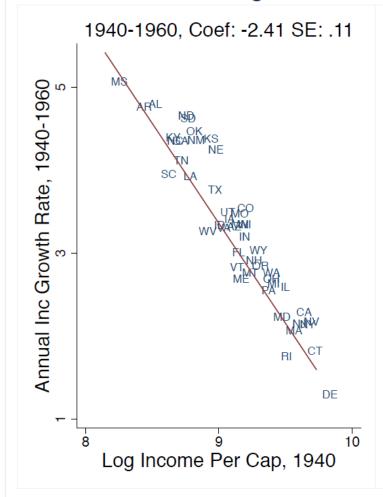


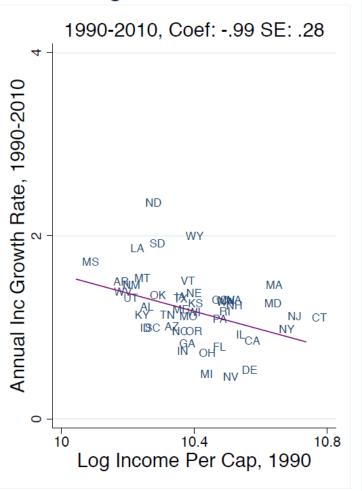


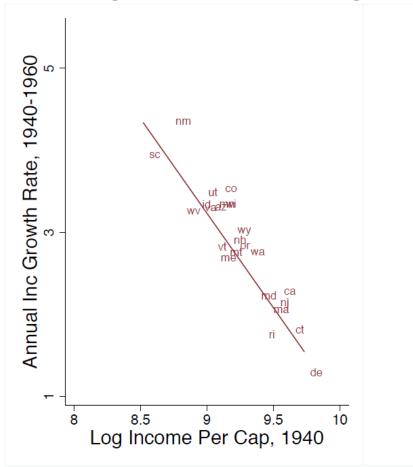




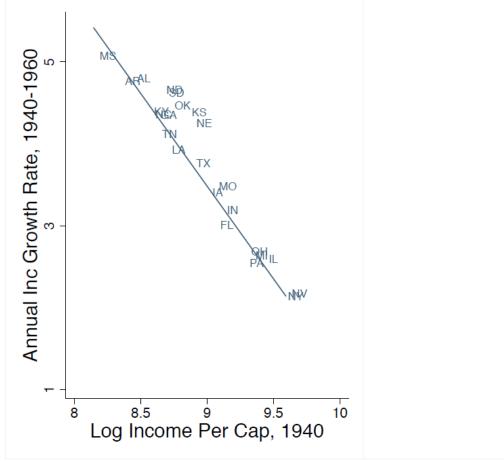
Change in Income Convergence



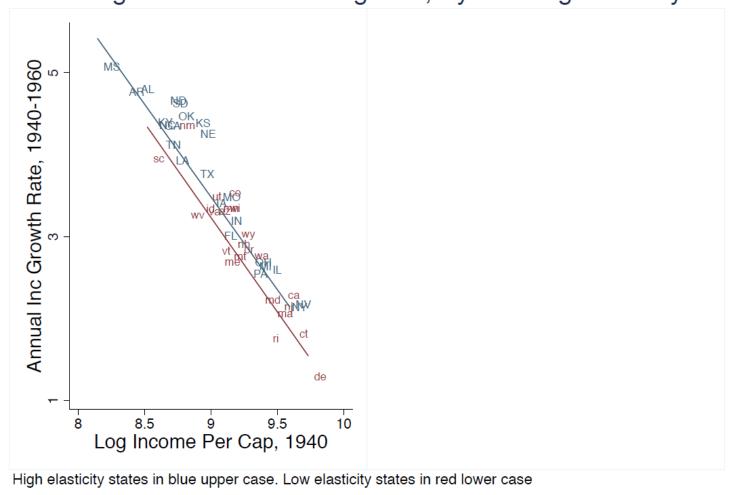


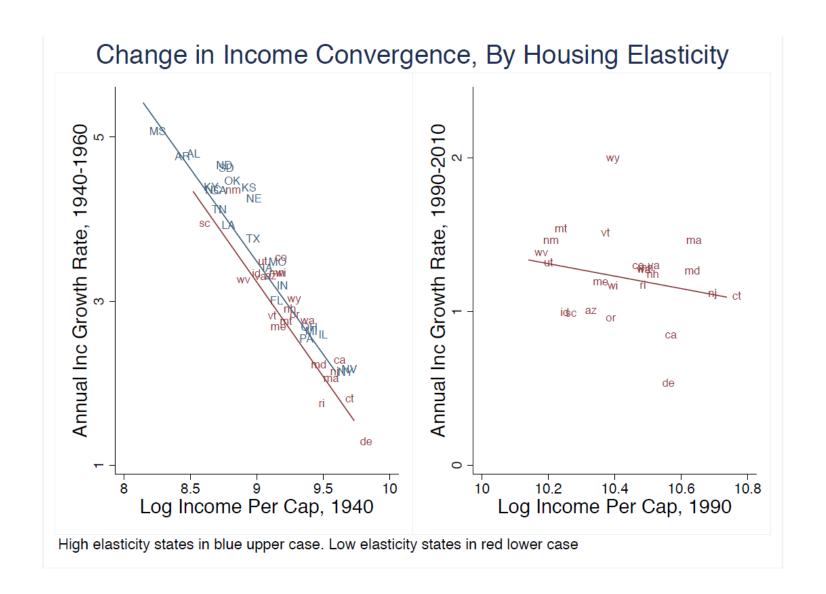


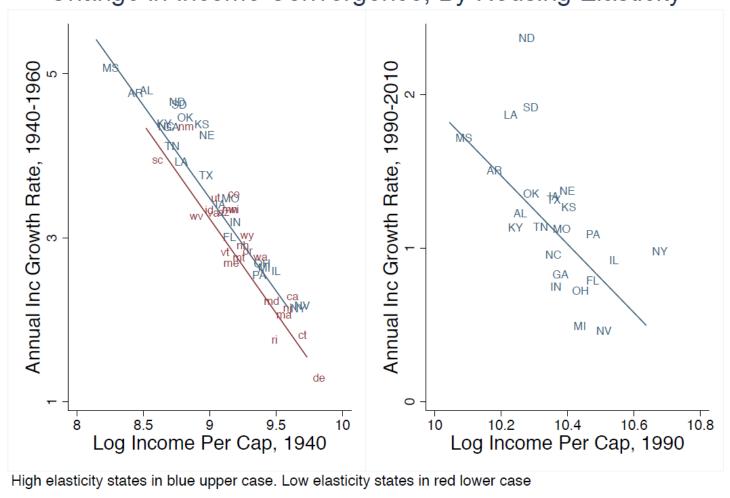
High elasticity states in blue upper case. Low elasticity states in red lower case

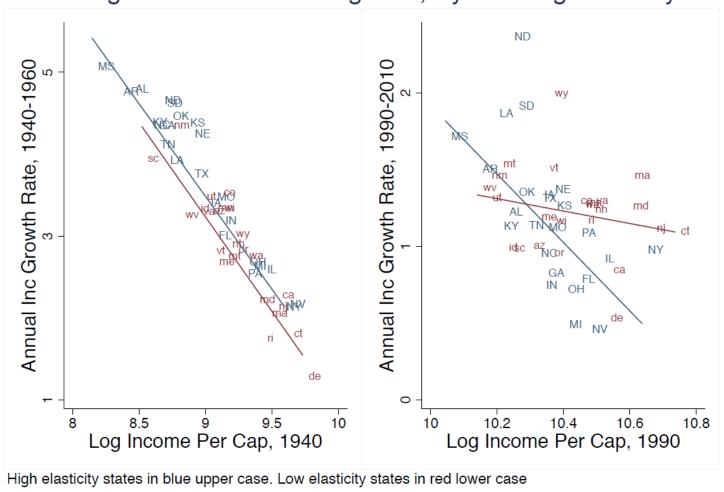


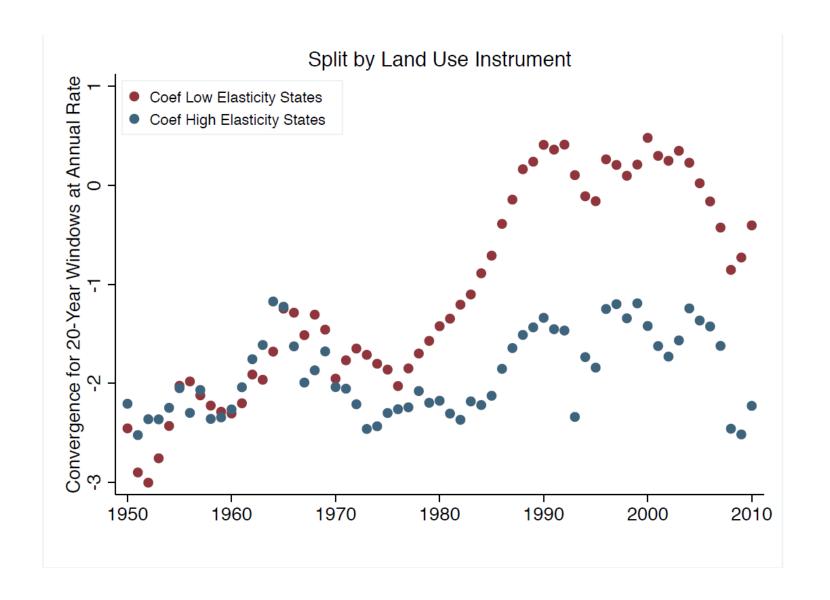
High elasticity states in blue upper case. Low elasticity states in red lower case

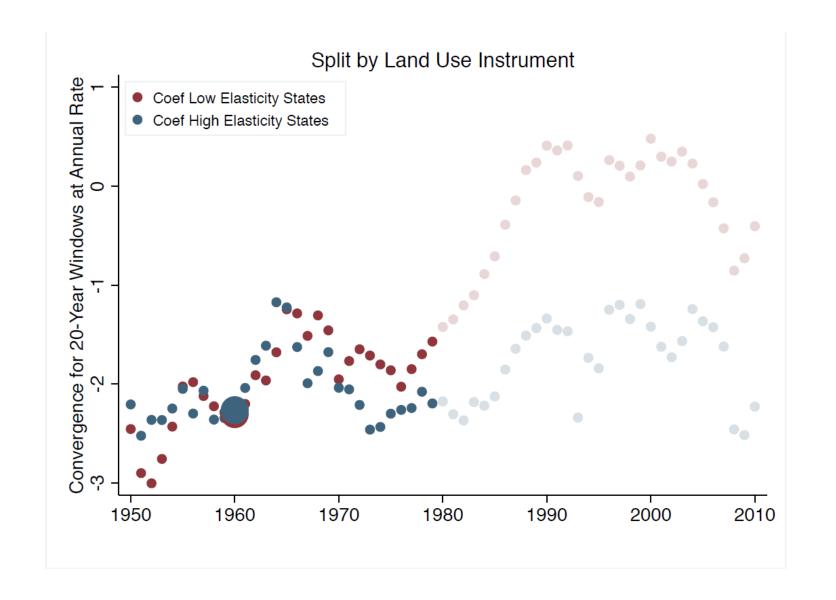


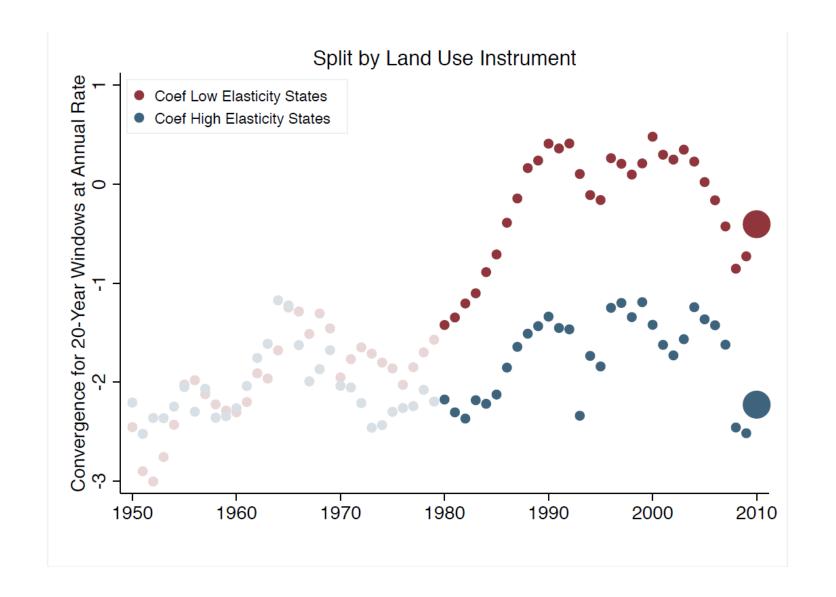












Dep Var	$\ln p_{t-20}^{house}$	d In pop	d In HumanCapital	d In <i>Inc</i>
Income, t-20	0.77***			
	(0.11)			
Income, t-20	0.83***			
*Low Elasticity	(0.26)			
N	384			

Dep Var	$\ln p_{t-20}^{house}$	d In pop	d In HumanCapital	d In <i>Inc</i>
	0.77***	1.69**		
Income, t-20	(0.11)	(0.64)		
Income, t-20	0.83***	-1.88***		
*Low Elasticity	(0.26)	(0.61)		
N	384	2448		

Dep Var	$\ln p_{t-20}^{house}$	d In pop d	n <i>HumanCapital</i>	d In <i>Inc</i>
Income, t-20	0.77***	1.69**	-0.043***	2.034***
	(0.11)	(0.64)	(.007)	(0.10)
	0.02444	1 00***	0.040**	1 20444
Income, t-20	0.83***	-1.88***	0.040**	1.30***
*Low Elasticity	(0.26)	(0.61)	(0.016)	(0.39)
N	384	2448	288	2448

Dep Var	$\ln p_{t-20}^{house}$	d In pop d I	n HumanCap	ital d In Inc
Income, t-20	0.77***	1.69**	-0.043***	-2.034***
	(0.11)	(0.64)	(.007)	(0.10)
Income, t-20	0.83***	-1.88***	0.040**	1.30***
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N	384	2448	288	2448
Indicators for Low Elasticity by Year in all specifications.				

Dep Var	$\ln p_{t-20}^{house}$	d In <i>pop d</i> In	HumanCapita	l d In Inc
Income, t-20	0.77***	1.69**	-0.043***	-2.034***
	(0.11)	(0.64)	(.007)	(0.10)
Income, t-20	0.83***	-1.88***	0.040**	1.30***
*Low Elasticity	(0.26)	(0.61)	(0.016)	(0.39)
·				
N	384	2448	288	2448

Takeaways

- Land use restrictions have macro consequences
 - Decreased productivity
 - Increased inequality

- •Increasing concern in policy circles
- New data and directions
 - I am excited to hear your ideas!
 - Dan_Shoag@hks.Harvard.edu