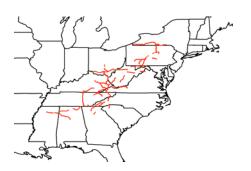
Placed Based Development Policies and Infrastructure Investments throughout the 20th Century

- Can Regionally targeted policies reduce regional disparities in income?
- We examine the creation of the Appalachian Development Highway System to see if roads facilitate market integration



- ADHS built between 1965 and 2010, approximately 3,000 miles of high grade road
- Adopt a model of interregional trade
- From the model, derive an estimating equation that relates income to market access
- Market Access is a measure of connectedness to other markets weighted by travel time
- Crucial Step: Measure travel times between each origin and destination
- Digitize Shell Gasoline highway maps from the 1950s, and use modern data from the FHWA.

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Example Least Cost Path in 1960 Tallahassee to Washington DC



Example Least Cost Path in 2010 Tallahassee to Washington DC



Main Findings

	Appalachian Counties (1)	ARC Counties (2)	Non-Arc Counties (3)
A. Counterfactual w/o A	DHS, in 2015 \$		
total income (billions)	-45.9	-32.5	-13.4
	(15.7)	(10.9)	(4.8)
income per capita	-170.5	-514.6	-63.5
	(69.1)	(207.2)	(26.2)
B. Counterfactual w/ PA	RC, in 2015 \$		
total income (billions)	-22.0	-15.0	-7.0
	(7.5)	(5.0)	(2.5)
income per capita	-81.4	-236.9	-33.1
	(33.1)	(95.5)	(13.6)

- Had the ADHS not been built, incomes would have been \$45 Billion Lower per year, \$170 per capita (1 percent of GDP in the 13 states)
- Given the fiscal cost, the rate of return between 1965 and 2010 ranges from 3-8%