
GOODMAN'S ECOLOGICAL REGRESSION

PRECINCT i	DEMOCRAT	REPUBLICAN	
Black	$b_{11}^i = ??$	$b_{12}^i = ??$	$X_{1,i}$
White	$b_{21}^i = ??$	$b_{22}^i = ??$	$X_{2,i} = 1 - X_{1,i}$
	$T_{1,i}$	$T_{2,i} = 1 - T_{1,i}$	

$$T_{c,i} = b_{c1} X_{c,i} + b_{21} X_{c,i} + \dots + b_{rc} X_{r,c}^i + e_c^i$$

$$i = 1, \dots, p$$

"requires, in all but the smallest of jurisdictions, reliance on computers to perform the calculations."

METHOD OF BOUNDS

precinct 1: 90% Dem, 10% Rep, 85% Black, 15% White

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Note: $0.9 = .85b_{11} + .15b_{12}$
 $.33 < b_{12} \leq 1$
