Addendum

The statement in the text that the exact figures for counties are not in print is incorrect. They are in the Report of the Civil Rights Commission, 1961, Book One. I have now computed for each of the eleven states dealt with in the rest of the analysis the madies Negro registration for counties with 0-1, 1.1-10, 10.1-20, 20.1-30, 50.1-40, 40.1-50, 50.1-50, 60.1-70, 70.1-60, and 80.1-90% Negroes. These percentages, with the number of counties in brackets, are given in the calls of the table.

(Note that returns for Georgia and South Caroline are too sketchy to be of any use.)

It becomes apparent that a large part of the convelation between the proportion of Eegross registered is a cort of seriform. (Only a sort of because it is not accidental.) Mississippi Magro registration in counties with all the proportions of Megros forad in Mississippi is so less that the proportion of total cases constituted by Mississippi has a hig effect on the average for that band of counties. Thus, of the counties looked at here with more than 1% of Megross we can see that Mississippi counties constitute two-thirds of those with 70-80% Magro, one third of those with 80-80% Magro, one sinth of those with 80-80% Magro, one sinth of those with 80-50% Megro, one twellth of those with 20-80% Magro, one thirteenth of those 10-20% Magro, one twellth of those with 20-80% Magro, one thirteenth are only three cases altogether in the 80-80% band, in Mississ, and the medica registration is only 3% Matthews and Prothmo do not give the numbers of cases on which their graph of cametine is based, but for 80-80% it can hardly be more than these three.)

No clear and simple pattern energes as we now from the top left hand corner of the table to the bottom right hand corner. If we take the five states with the smallest proportions of Megrose, however, we way notice that there is relatively little dockine in Megro registrations on the proportion of Megrose in a county rises. (We may also note that the state with poll tax and literacy tests (Virginia) runs noticeably below the others in Megro registrations followed by one with gold tesses only (Texas) followed by one with gold tesses only (Texas) followed by one with poll tesses only (Texas) followed by one with poll tesses only (Texas)

At the other entreme, in Mississippi, with the most Hegroes, rugistration levels are almost equally low in counties with varying proportions of Negroes. This of course indicates massive discrimination throughout the state. In between, we have Morth Caroline, Alabema and Louisiana. (We may surmise that Georgia would be nother like this group. South Carolina is probably a cross between Louisiana and Mississippi - some variation but all at rather low absolute levels of registration.) In these three states we have what the Civil Rights Commission charmingly calls "local option" in discrimination. Louisiana, with the most Nogroes in the group, shows this with almost uncarry clarity, ranging from the second highest registration level for 10-20% Megro (O, besed on four cases), but Alabama and Morth Carolina show a reguler and quite sharp decline as the proportion of Negross rises above 20%. It is worth noting that all three states have literacy tests, and Louisiana has an "understanding the constitution" test which in prectice gives total discretion to the registration officer.

The conclusion we might draw is that discrimination at the local level requires none combination of Negroes in the state and the county. At the Mississippi level (42%) the threshold is reached purely as a result of the proportion of Megroes in the state; at the other and (the five states below 22% Megro) no observed proportion of Megroes in a county pushes local hostility over the threshold; between 25% and 32% (we don't know about the one case between 32% and 42%, namely South Careline) the local threshold is crossed when the proportion of Megroes rises above 20% and bestility increases standily beyond that. This is of course highly schematic, but it seems breadly reasonable all the same.

One fiant remark: Rialock remarks somewhere in his book that one would normally expect a group to be more solid the larger the proportion of the population they form (the so-called "breakage effect"); he then points out that the Eatthaws and Prothmo data contradict such an expectation. But for a season never made public, Eatthaws and Prothmo

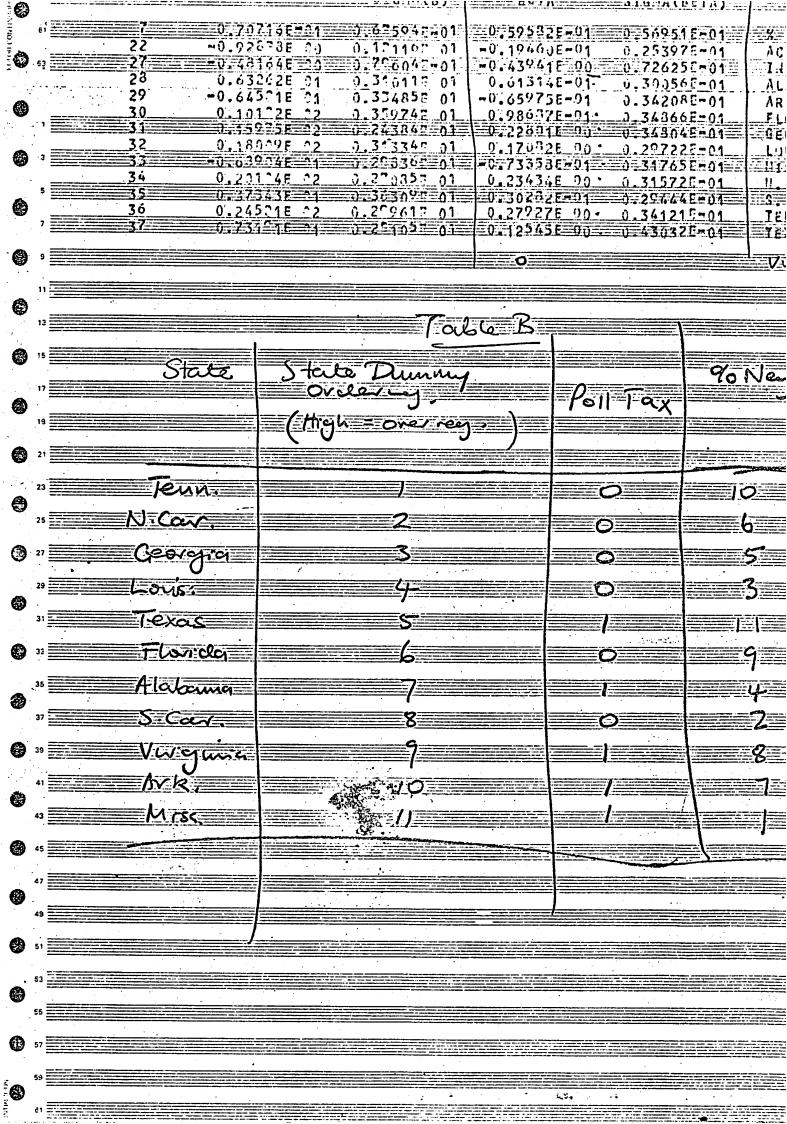
excluded counties with less than 1% of Negroes. If we examine these separately we note that in most states precisely what tends to happen is that of the few hundred Negroes in a county none at all registers. The point is simply that this effect of numbers giving confidence increasing the probability of the groups containing someone with leadership potential, etc., apparently starts operating at about 1% of Negroes in the population.

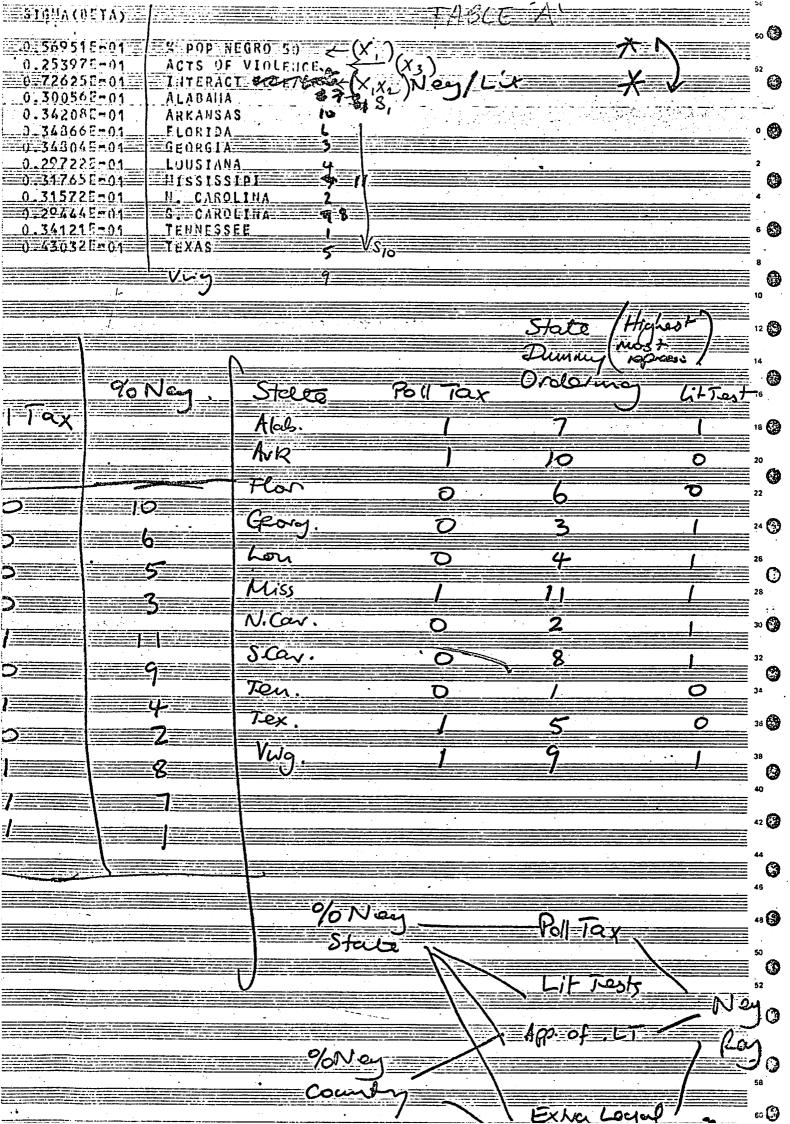
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%	Noyoes	Deu De
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State	% Nagro	0-1	1.1-10	10.1-20	20.1-30	30.1-40	40.1-50	50.1-60	60.1-70	70.1-80	80.1-90	1.
Tex	12	15(53):	34 (76)	28(22)	33(30)	38(12)	~ (1)	33(3)	- (0)	- (0)	- (0)	
renn (1	17	0(10)	88 (31)	68(14)	54(3)	60(3)	-(o)	~(0)	- (2)			•
?la	18	-(0)	49(7)	42(25)	53(22)	38(8)	37(3)	- (2)	- (0)	- (0)	- (0)	·•
/a	21.	13(7)	24(38)	27(18)	26(22)	18(14)	19(12)	25(10)	18(4)	- (0)	- (0)	
irk	22	0 (19)	.42(17)	49(6)	41(9)	45(12)	36(7)	27(3)	- (1)	- (0)	-(0)	
IC	25	67(5)	54(20)	56(16)	37(16)	99(15)	22(18)	14(8)	- (2)	~ (0)	- (D)	~
	29	0 (4)	- (1)	-(0)	- (1)	- (1)	- (1)	- (2)	- (2)	- (1)	- (0)	••
Ja	80	- (1)	25(8)	28(17)	20(8)	17(12)	7 (9)	4 (3)	- (2)	1 (4)	3 (9)	_
.S	32	- (0)	- (2)	64(7)	48(17)	23(15)	12(13)	21(6)	0 (4)	- (0)	- (0)	-
BC	35	- (0)	- (0)	- (0)	- (0)	- (0)	- (0)	- (1)	2 (3)	- (0)	- (0)	-
Miss	42	- (0)	- (2)	2.6(10)	1.8(12)	1.5(16)	1.8(13)	0.2(10)	0.4(10)	0.5(8)	- (0)	-
		(98)	(202)	(135)	(151)	(209)	(77)	(50)	(30)	(13)	(3)	- 959)

* sample taken



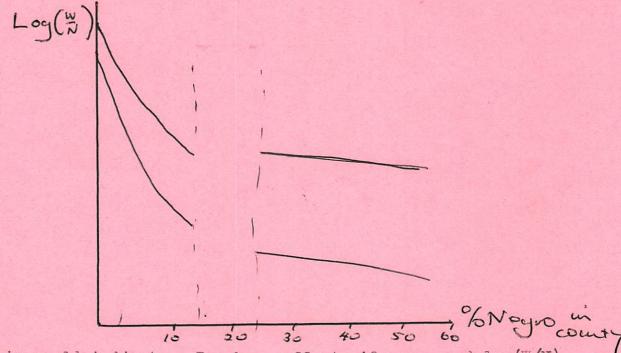


Notes on the Use of the Matthews and Prothro Data in 'Reflections on a Formal Treatment of Power'.

Page 9.

If this graph is repeated for county level data, we get the graph shown in the printout, which is once more clearely non-limear.

However, as with the Sta_te-level graph, it can be split into two halves, a division ocurring at 15 - 25% Negro. For figures higher than this we get a very weak negative relationship below which looks linear, if anything; **xhow** this a stronger non-linear negative relationship, to give an overall picture :-



This would indicate a Breakage effect, if we regard log(W/N) as a valid indicator of discrimination.

Note also that scatter occurs more on the upperside of the curve...which would be consistent with the hypothesis that whites do not nearly exploit all of the potential that is open to them to exploit this relationship, while blacks are working much nearer their limit. Thus their capacity to improve thier "score" is in some senses bounded, leading to the consistent shape of the hower side of the curve.

Page 15.

- (1) The only operationalisation of the variable 'Extralegal pressures' in the M&P data is the variable 'Acts of Violence'.
 This, however, is not much good as only a total of 162 of these
 were noted for all of the 1136 counties over a period not stipulated in the code book. Nome of the correlations or other work
 involving variable are at all impressive, but of course it is
 impossible to tell if this because it is zero for nearly ewry
 county or water because the theory or (more likely) its operationalisation were wrong.
- (2). If we regard Poll Tax and Literacy Tests as binary variables, we can use product moment correlations involving them, remembering that the values which can be regarded as significant will tend to be lower.
- (3). While there is a strong correlation between %Negros in the state and Literacy tests (0.72), that with Poll Tax is weak and negative (-0.25)....This can easily be senn from the table on pl3. There does not seem to be a link between Poll Tax and %Negros in the state.
- (4). The other relationships in the model can be tested with a simple multivariate regression, the equation of which is:-

$$Y = b_0 + b_1 X_1 + b_2 X_1 X_2 + b_3 X_3 + b_4 S_1 + b_5 S_2 + \dots + b_3 S_{10}$$

- Y % Negro Population of Voting Age Registered
- X, % Negro in the county
- X₂ Literacy test dummy variable. (The interaction term b₂ X₁ X₂thus shows the difference in the relationship between X₁ & Y between counties where there is a literacy test, and those where isn't.)
- X3 Acts of violence
- S₁ S₁₀ Dummy (binary) variables to indicate which state the county belonged to. (These are needed because the inclusion of any variables operating at a purely State level, such as Poll Tax and % Negro in the State, along with county data could easily let the state variables act menely as "tags" for inter state cultural differences.) Regression coeficients b₄ b₁₃ will give us the size of the overall influence of the different states on the relationship, relative to the state which left out (Virginia), and we can then compare the ordering achieved by this with the ordering on the state level variables.
- (5) The standardised regression coeficients are used (Betas), as is usual, and these can be seen in Table A in the printout.

- b₁ Not significant (Other variables in the model are absorbing nearly all of the "raw" effect of thes variable.
- b2 Highly significant, both in itself, and relative to b1, thus the effect of literacy tests on the relationship between % Negro and negro voting registration at county is pretty conclusively proved.
- b₃ Not significant...(Bad variable??...see (1) above)
- b₄
 to Gives an ordering of total State effect shown in Table B

 b₁₃ in the printout. When we compare this with the two statelevel variables we see :-
 - (i) That Poll Tax fits this ordering very well, from which we can infer that this makes up a considerable part of the variation.
 - (ii) That % Negro dosn't, i.e. our intervening variables seem to be doing their job effectively.
- (7) This regression model would thus seem to furnish evidence in support of all parts of the model, except those involving "extra-legal pressures".