Weighting Adjustments in Project TALENT

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- ## 1960-1974 national longitudinal study
  - 1226 schools

- ## 377,015   9-12th graders

|	Calendar year	Project TALENT High School Probability Sample			
		9th Grade	10th Grade	11th Grade	12th Grade
BASE YEAR	1960	Age 15	Age 16	Age 17	Age 18
1 YEAR FOLLOW UP	1961				Age 19
	1962			Age 19	
	1963		Age 19		
	1964	Age 19			
5 YEAR FOLLOW UP	1965				Age 23
	1966			Age 23	
	1967		Age 23		
	1968	Age 23			
11 YEAR FOLLOW UP	1971				Age 29
	1972			Age 29	
	1973		Age 29		
	1974	Age 29			

Weight Adjustments for Variance Estimation

- Objective: Estimate and std. errors for composite scores
- Difficulty: No information to calculate variance

CHAID➔VSTRATA, VPSUs➔Replicate weights➔ Std. Errors

Y:Percentage of CPP   X:Area, School type, Senior class size, Dominant race, Coed
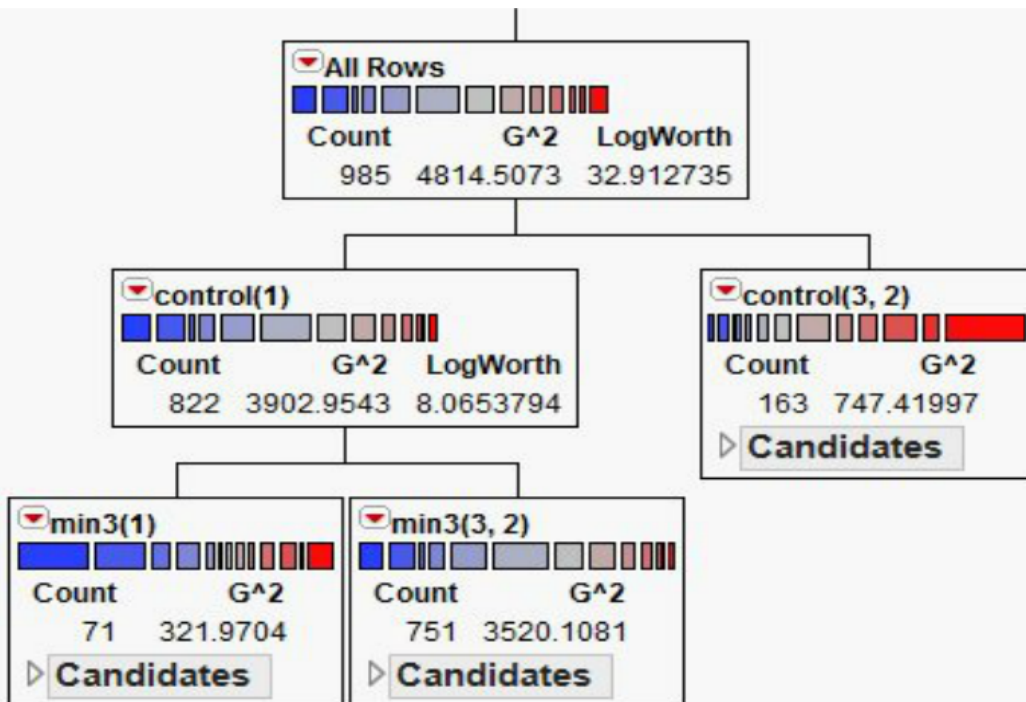
Split:
Control (Public v Other)
Race (Black v Other)

Criterion:
LogWorth

Results
52 VSTRATA
104 VPSUs (>12 schools each)

Composite Scores Estimates with Std. Errors

Variable	Estimate of Mean	Std Error	Coeff of Var
IQ composite score	161.6937	1.1491	0.0071
General academic aptitude composite score	486.3309	2.9349	0.0060
Verbal composite score	109.3910	0.5614	0.0051
Quantitative composite score	92.7570	0.9511	0.0103
Mathematics composite score	72.5115	0.7485	0.0103
Technical aptitude composite score	44.4294	0.3641	0.0082
Technical information composite score	28.4069	0.2560	0.0090
Scientific composite score	490.5531	3.7849	0.0077