

Diagnostics: Causal Analysis and Early Warning System

*Drilling Down in the Data and Identifying Targets for
Technical Assistance*

David Tillman

Leadership Development & Planning Consultant
North Carolina Department of Public Instruction
david.tillman@dpi.nc.gov

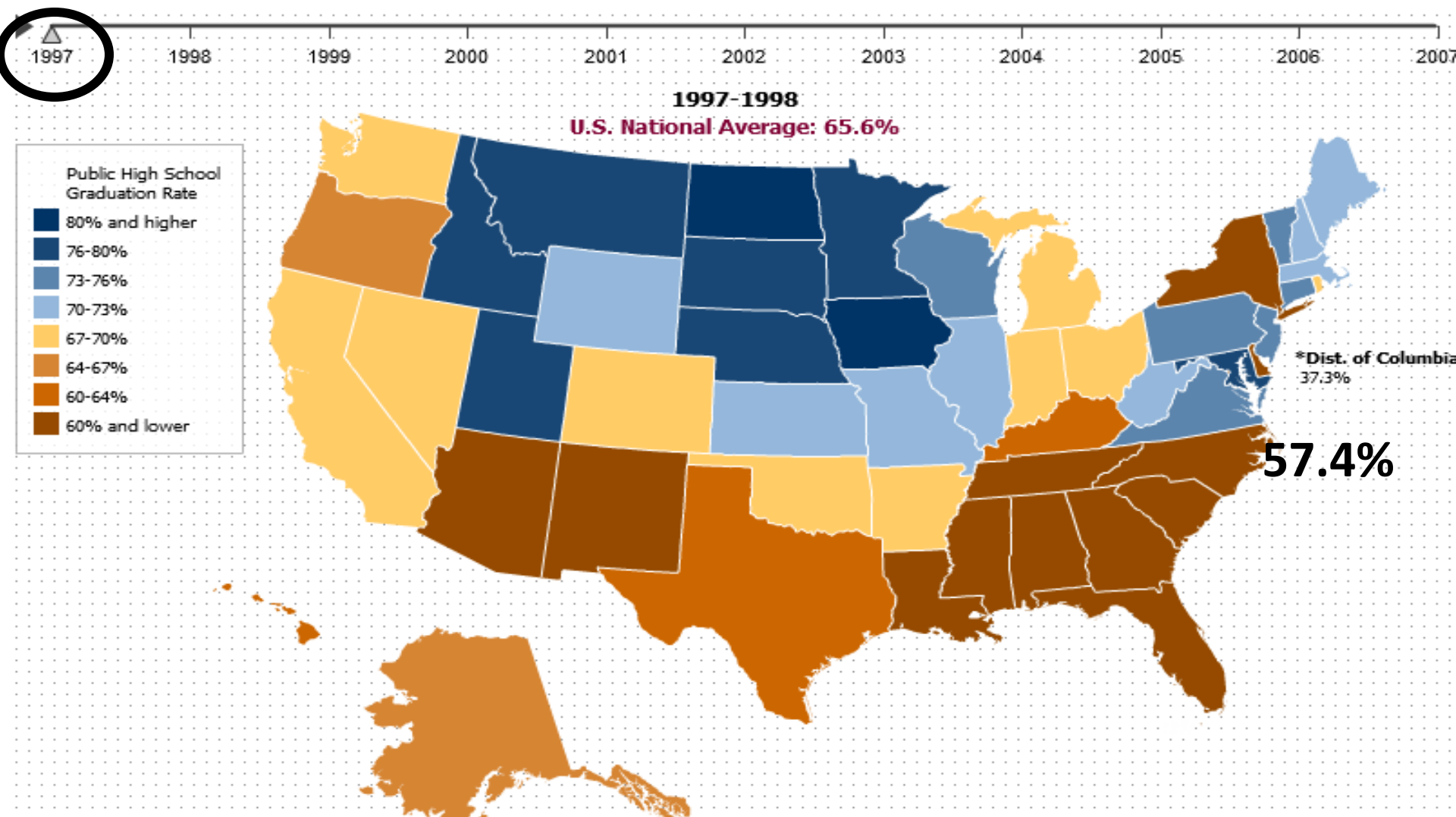
This session will...

- Share an example of a problem-solving process with large amounts of data
- Compare and contrast data expression options for large datasets
- Offer ideas for creating templates to help with data collection and expression

GRADUATION: The Nation and NC

Vol. 30, Issue 34

Graduation Rate Trends 1997-98 to 2007-08



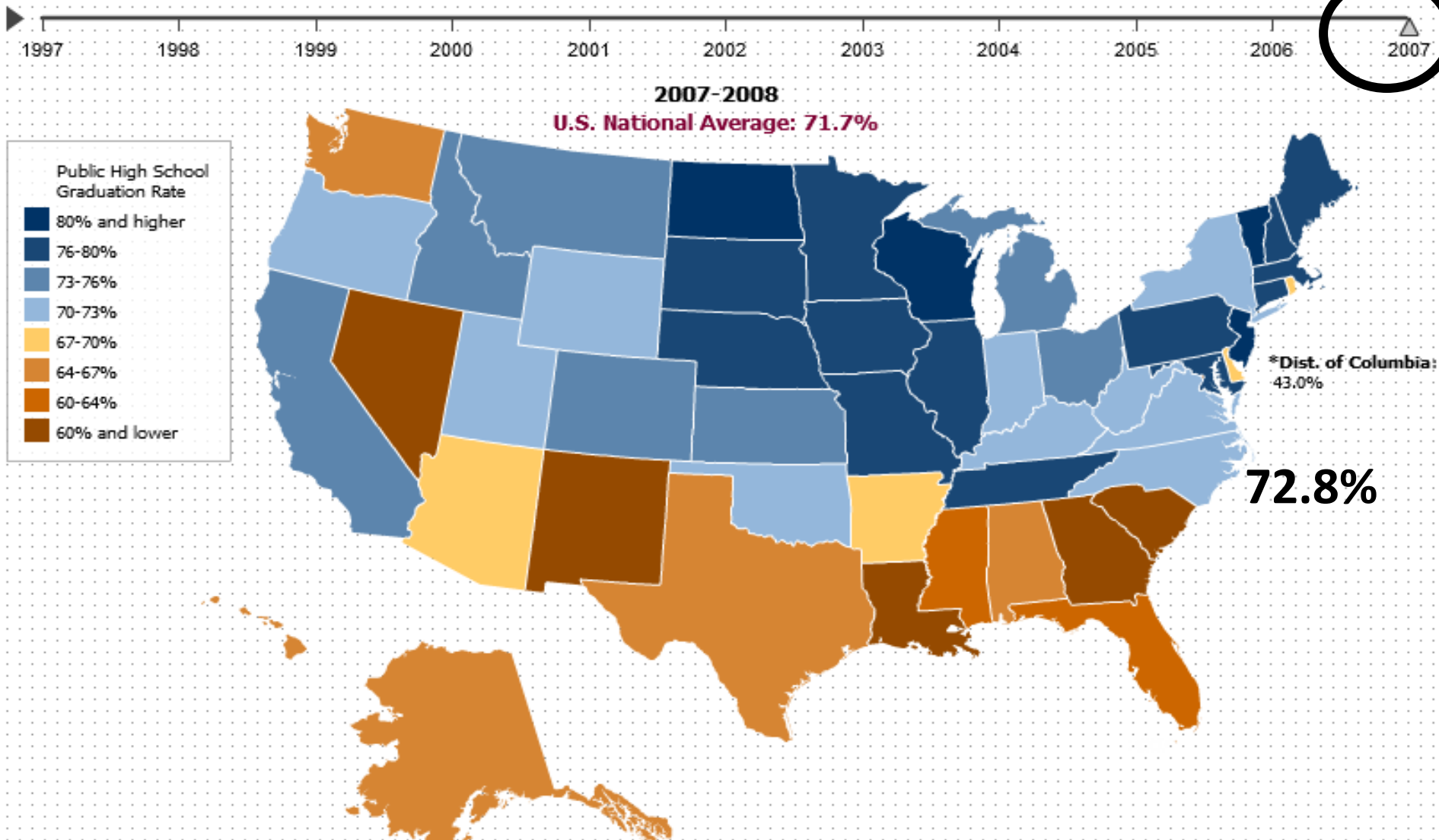
The Editorial Projects in Education Research Center uses the Cumulative Promotion Index (CPI) method to calculate graduation rates. The CPI represents the high school experience as a process rather than a single event, capturing the four key steps a student must take in order to graduate: three grade-to-grade promotions (9 to 10, 10 to 11, and 11 to 12) and ultimately earning a diploma (grade 12 to graduation). Each of these individual components corresponds to a grade-promotion ratio.

Source: Education Week, downloaded 11/11/2011
http://www.edweek.org/ew/dc/2011/gradrate_trend.html

GRADUATION: The Nation and NC

Vol. 30, Issue 34

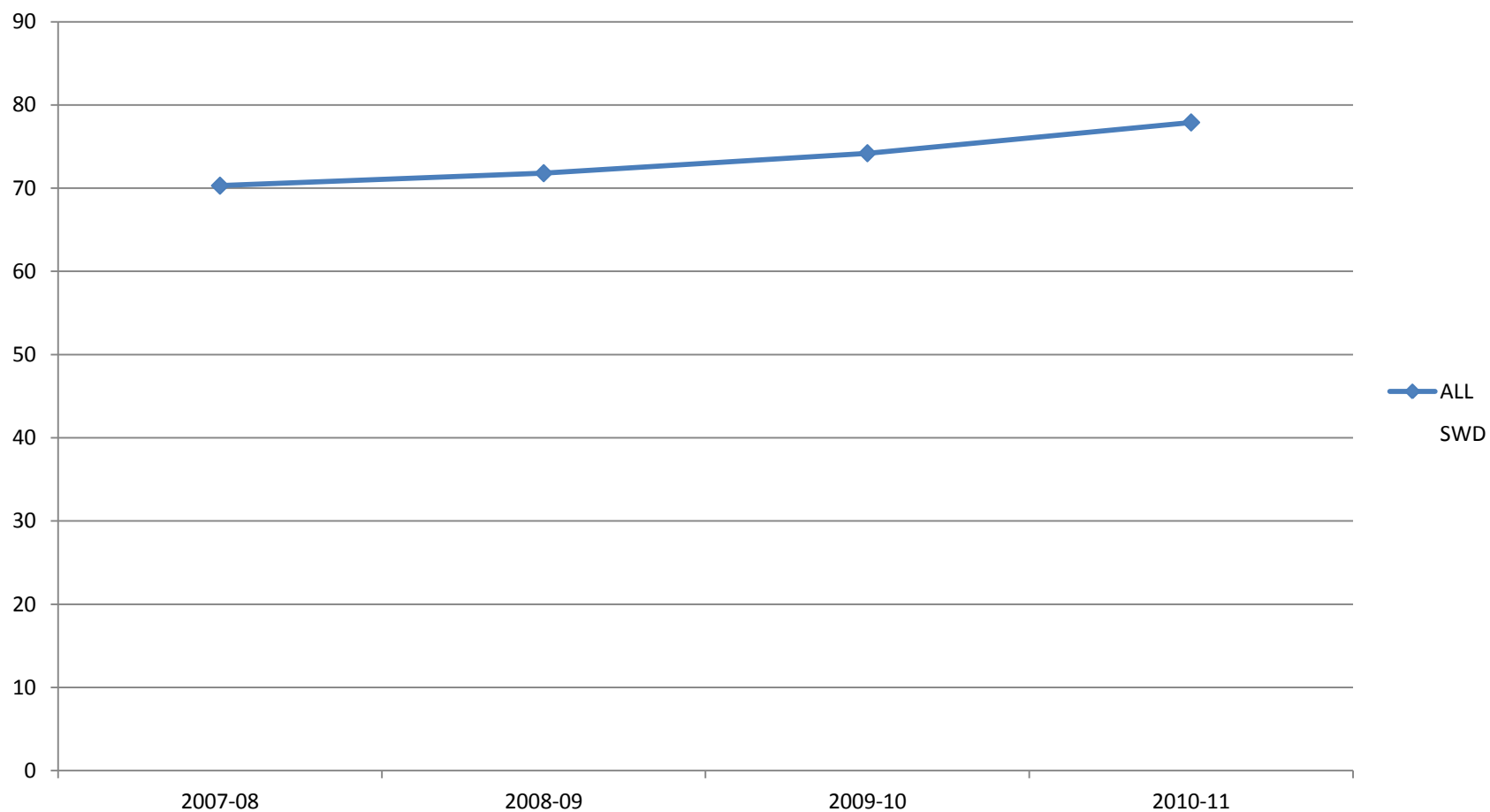
Graduation Rate Trends 1997-98 to 2007-08



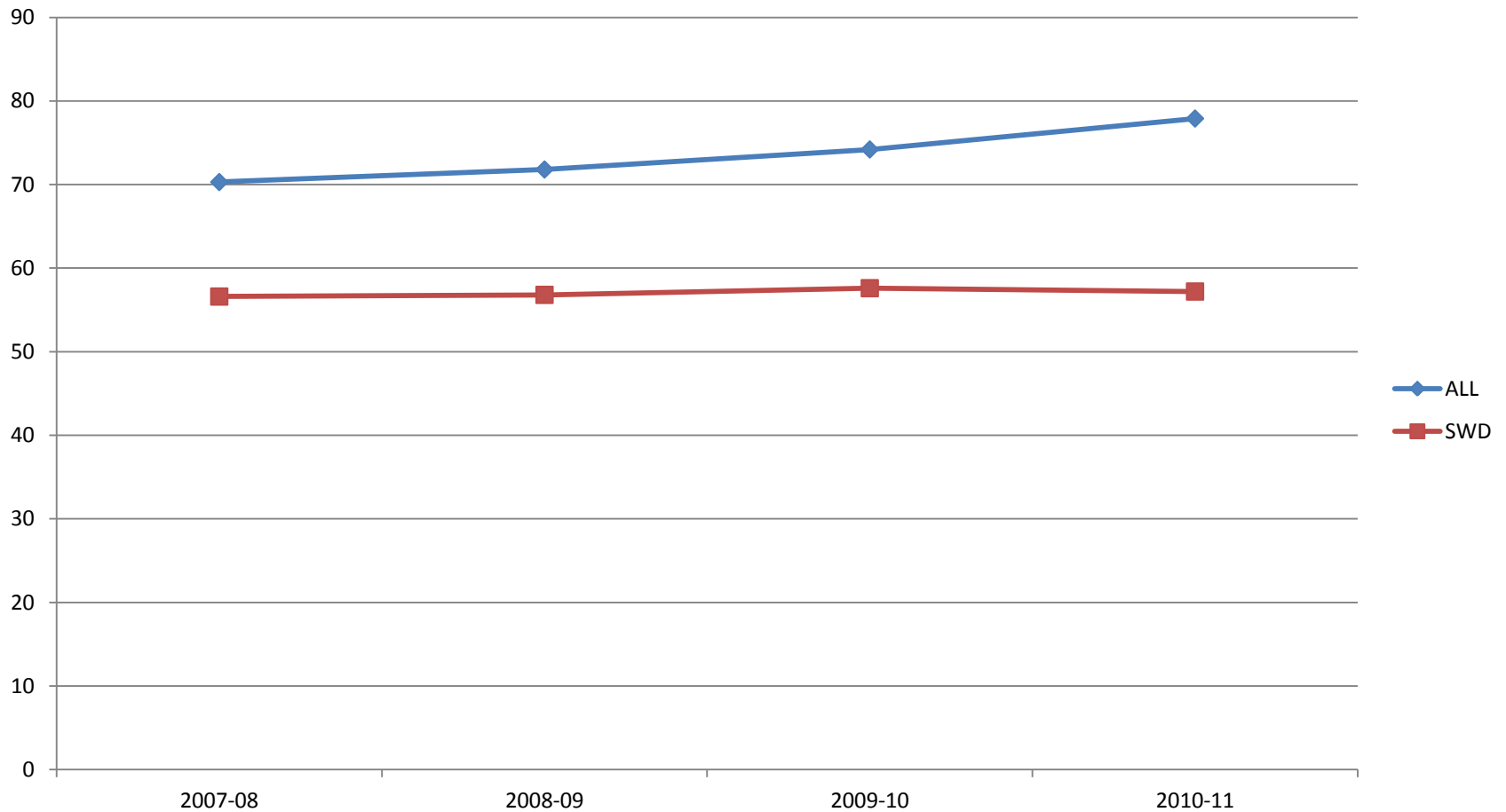
The Editorial Projects in Education Research Center uses the Cumulative Promotion Index (CPI) method to calculate graduation rates. The CPI represents the high school experience as a process rather than a single event, capturing the four key steps a student must take in order to graduate: three grade-to-grade promotions (9 to 10, 10 to 11, and 11 to 12) and ultimately earning a diploma (grade 12 to graduation). Each of these individual components corresponds to a grade-promotion ratio.

Source: Education Week, downloaded 11/11/2011
http://www.edweek.org/ew/dc/2011/gradrate_trend.html

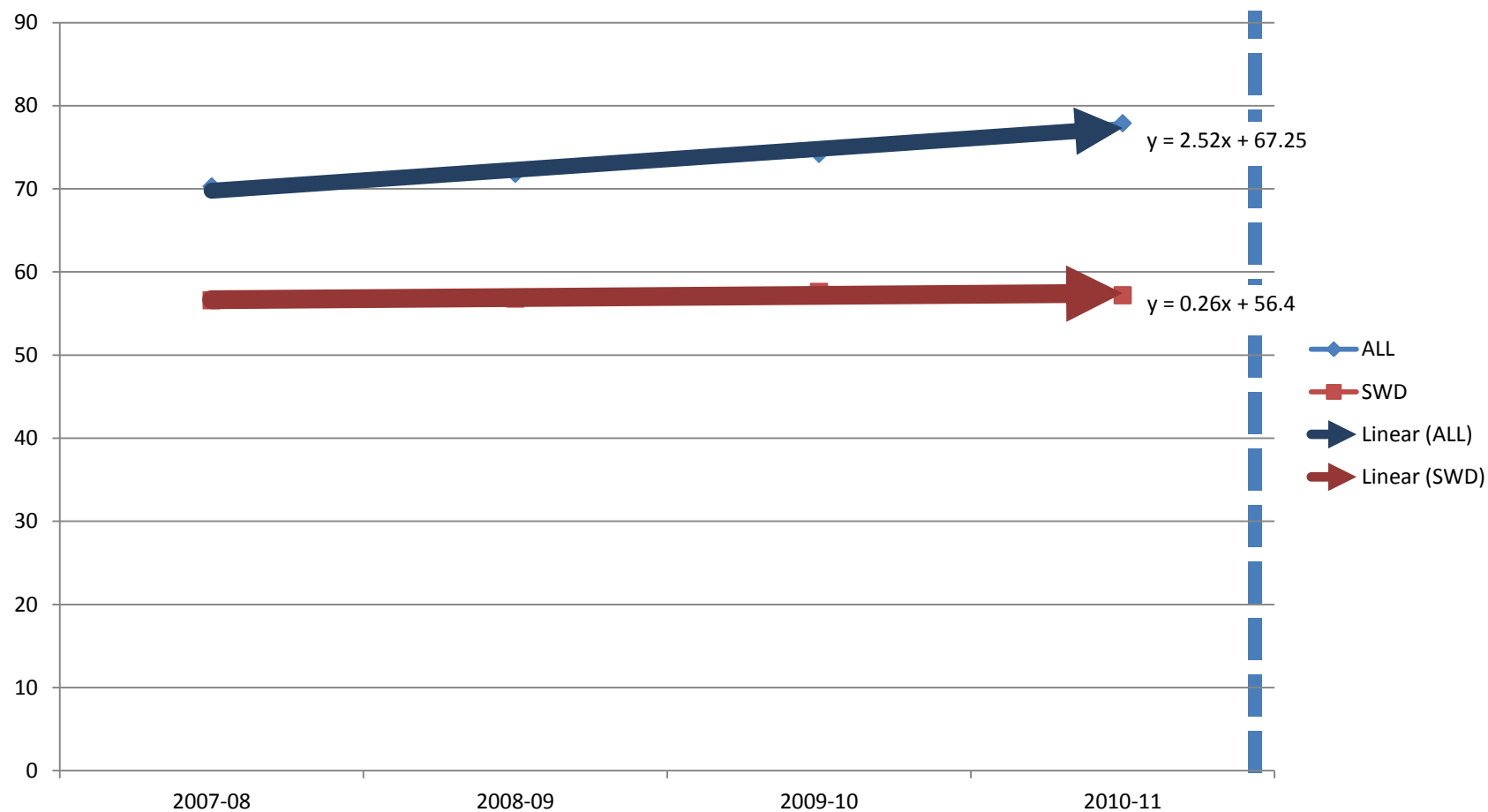
Since 2007...



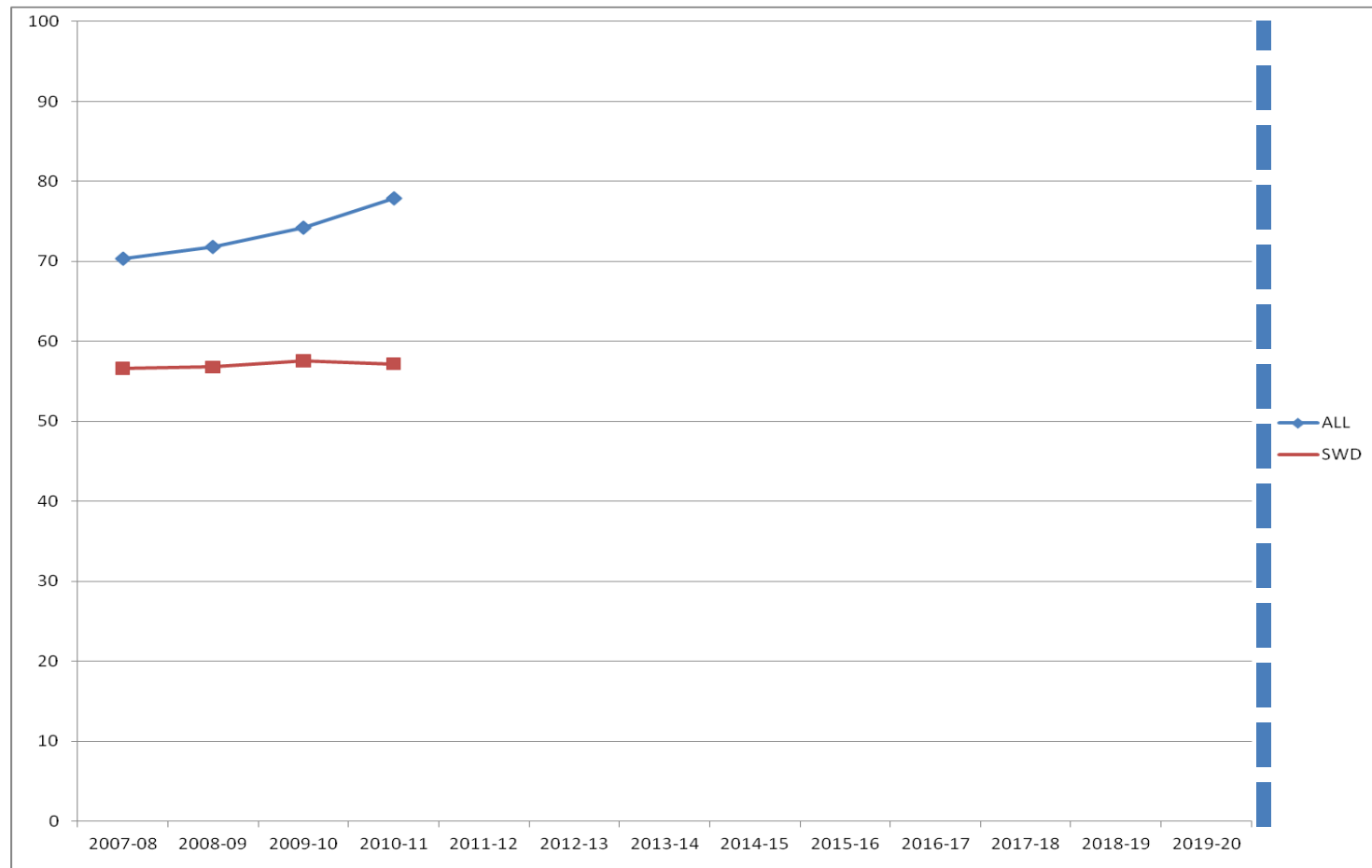
How has this looked for SWD?



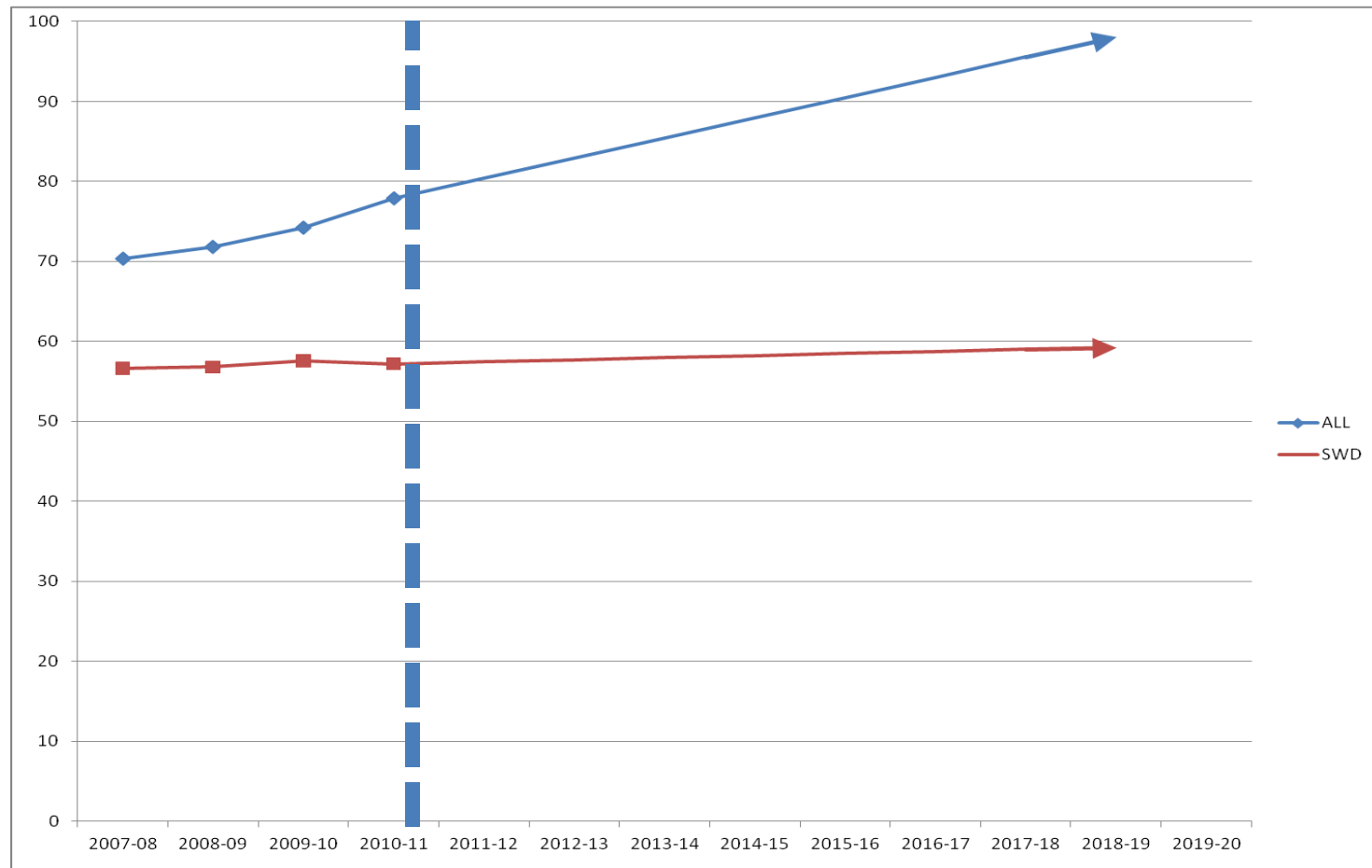
How has this looked for SWD?



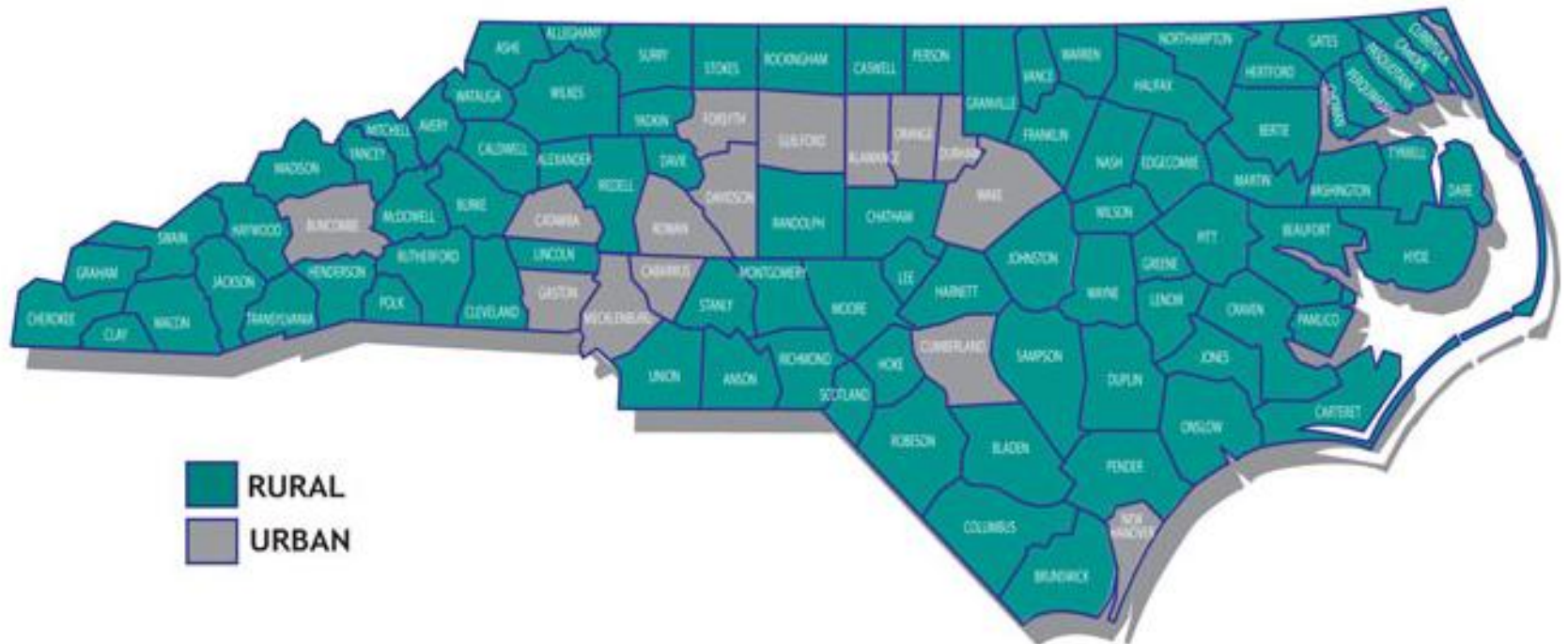
Where are we headed?



Where are we headed?

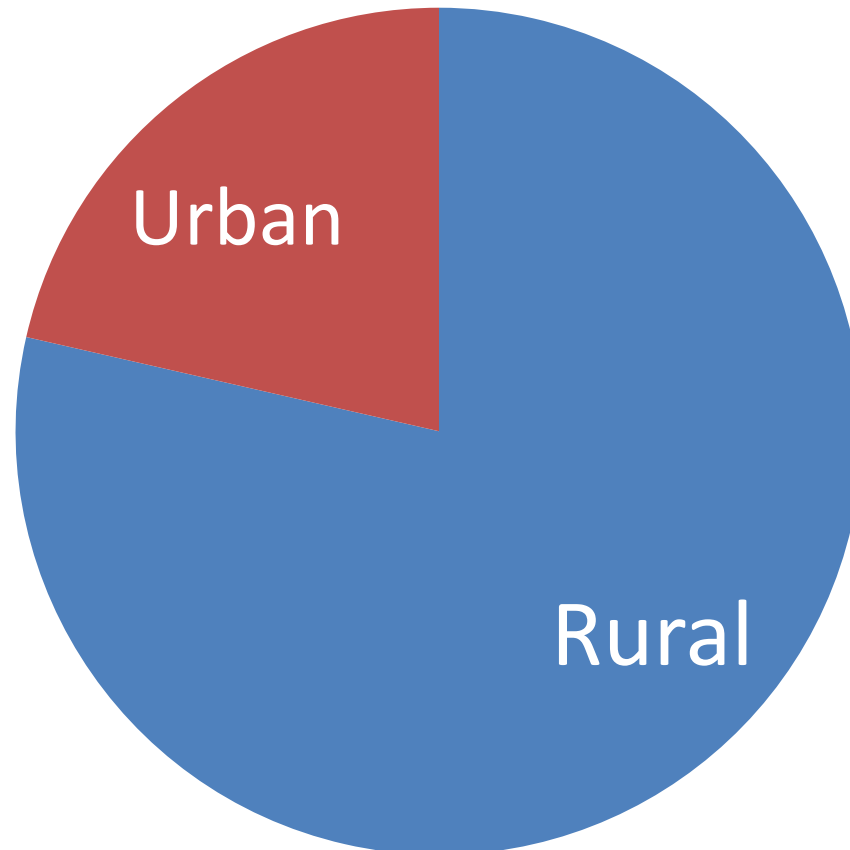


Considering NC...

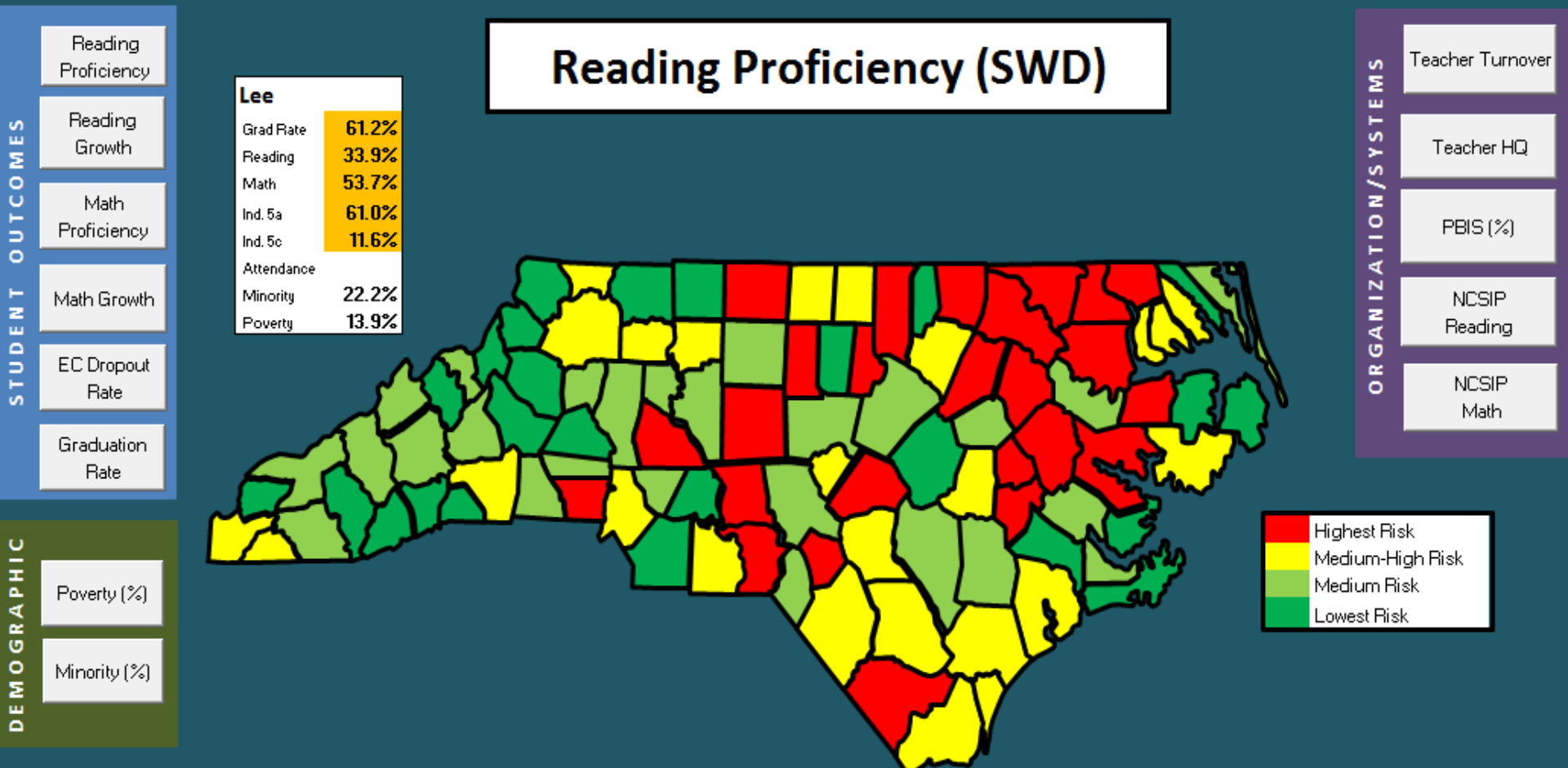


Considering NC...

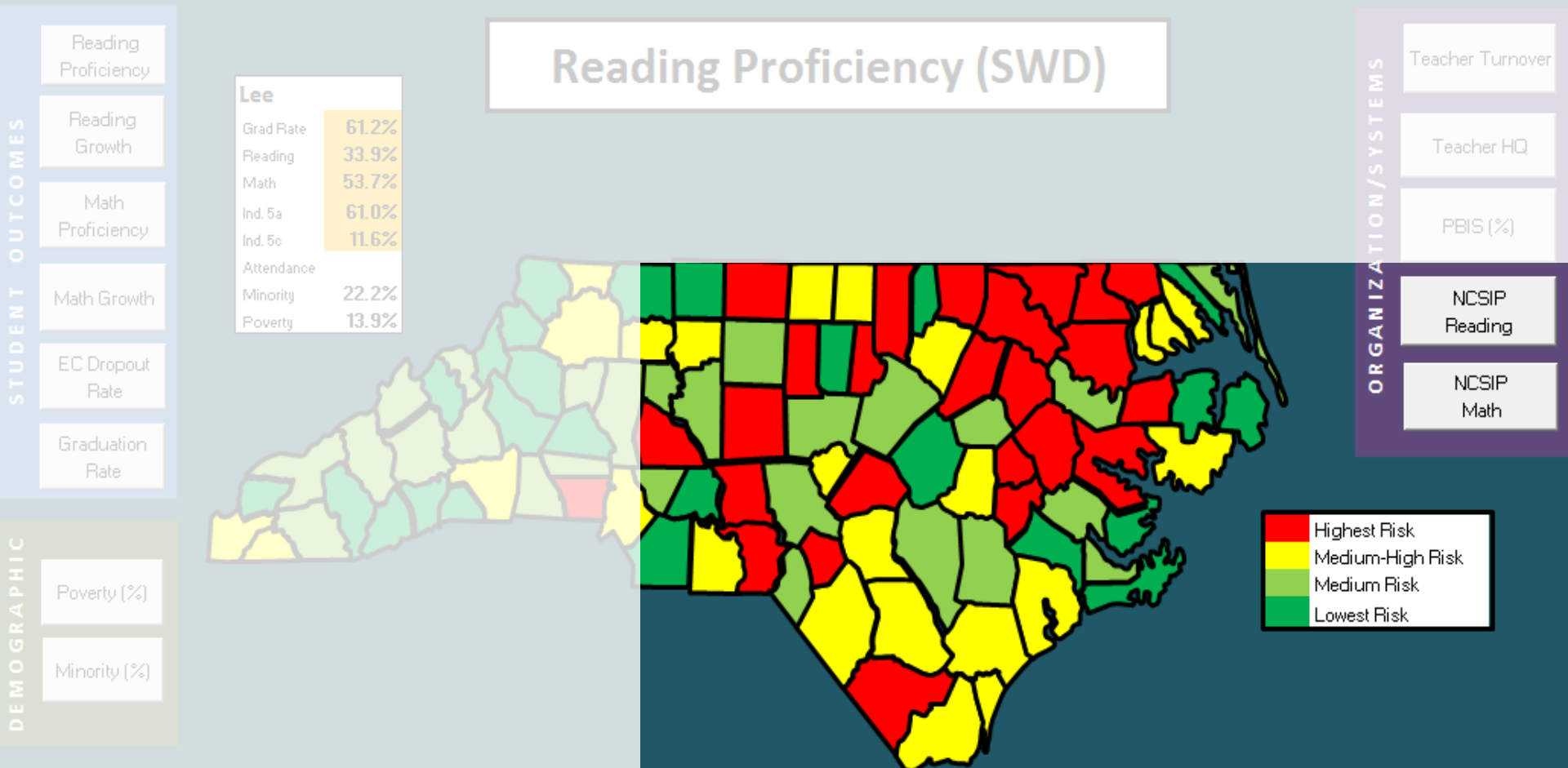
County School Districts Graduating 50% or Less SWD



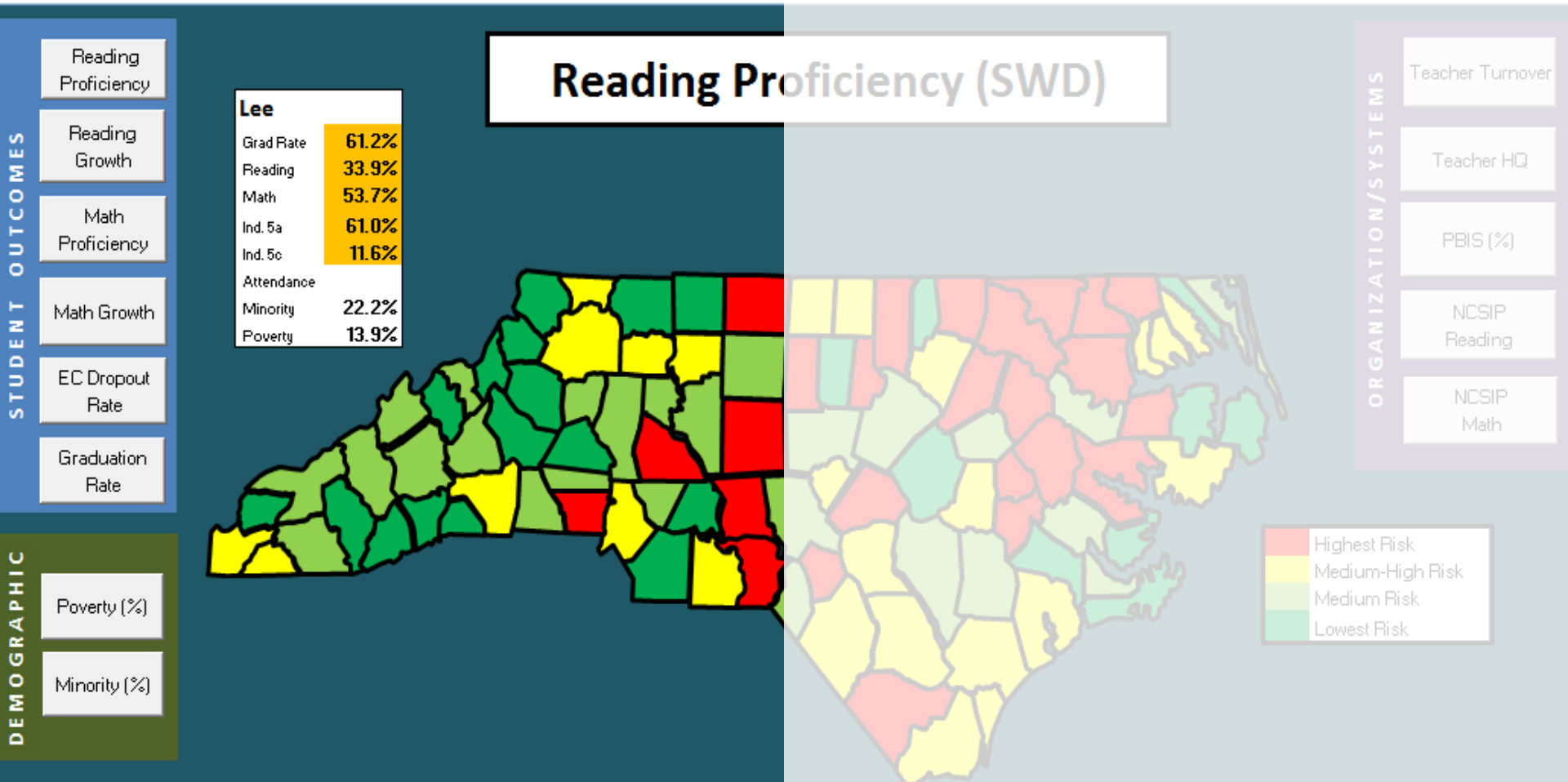
Drilling Down in the Data



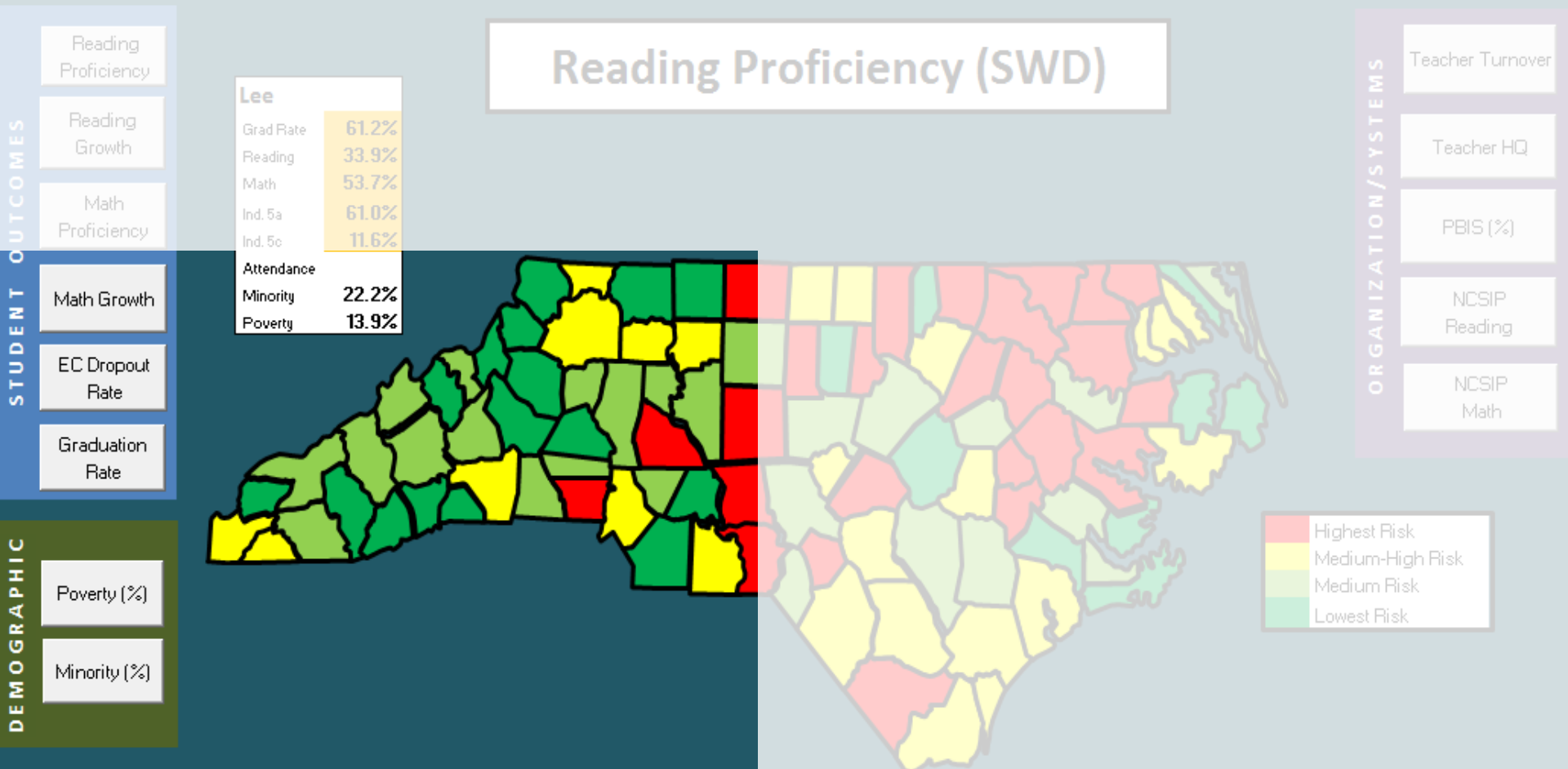
Data Map



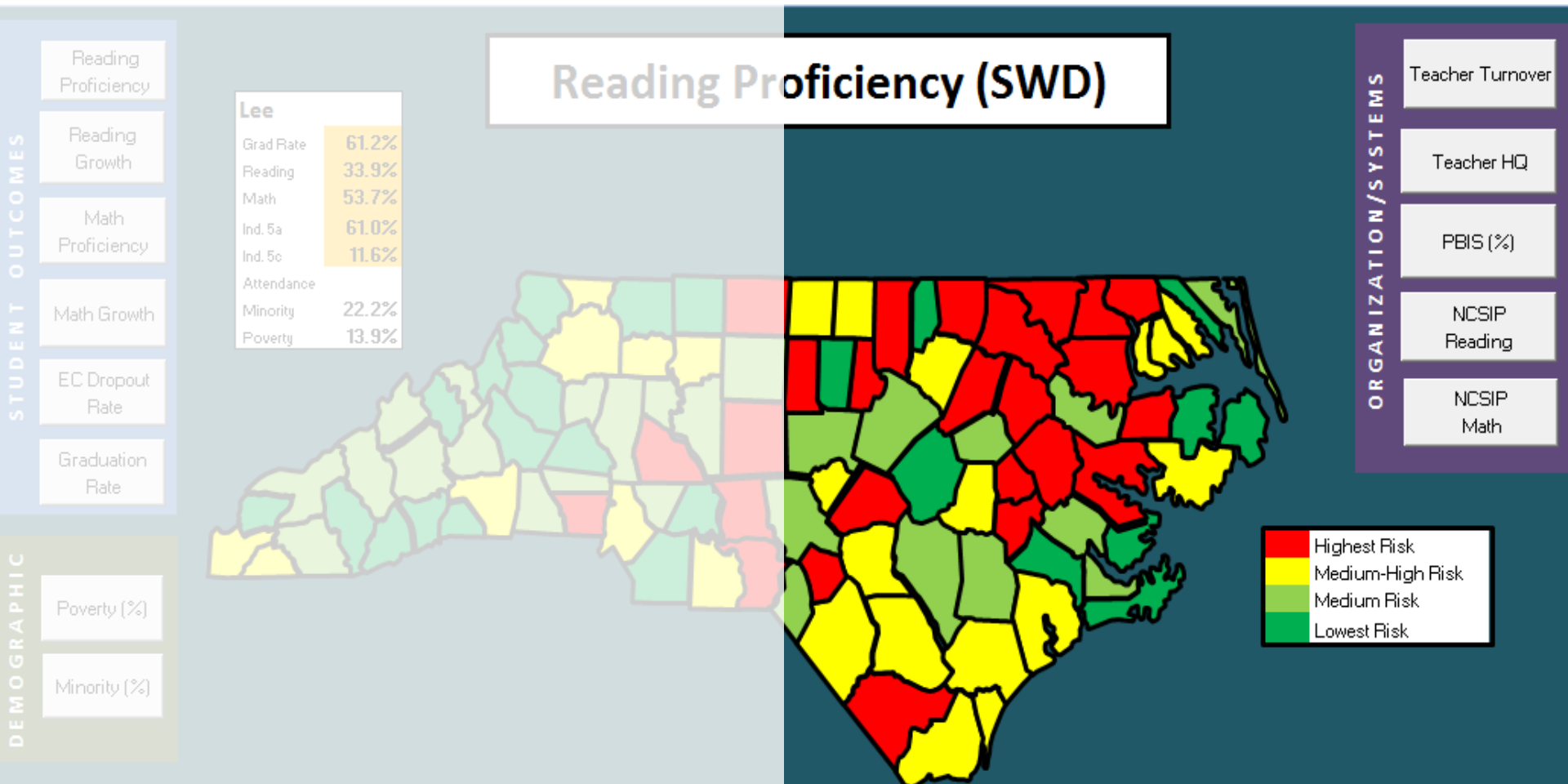
Data Map



Data Map



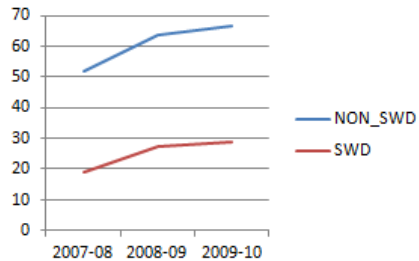
Data Map



A Narrowed Focus...

Pitt

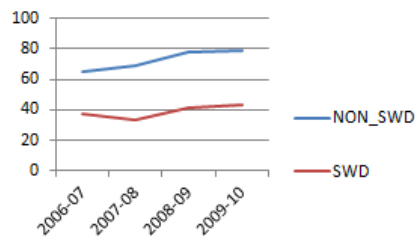
READING PROFICIENCY - 3 YR TREND



GRADUATION RATE - 4 YR TREND



MATH PROFICIENCY - 4 YR TREND



2009-10 ASSESSMENT DATA

Grade	Participation		Proficiency	
	RDG	MA	RDG	MA
3	99.5	99.5	32.4	48.4
4	99.5	99.5	34.5	44.5
5	98.8	98.8	23.1	33.9
6	98.5	98.5	28.6	42.2
7	96.9	96.9	30.3	44.7
8	97.3	97.3	29.9	50.8
10	61.9	60.3	22.5	47

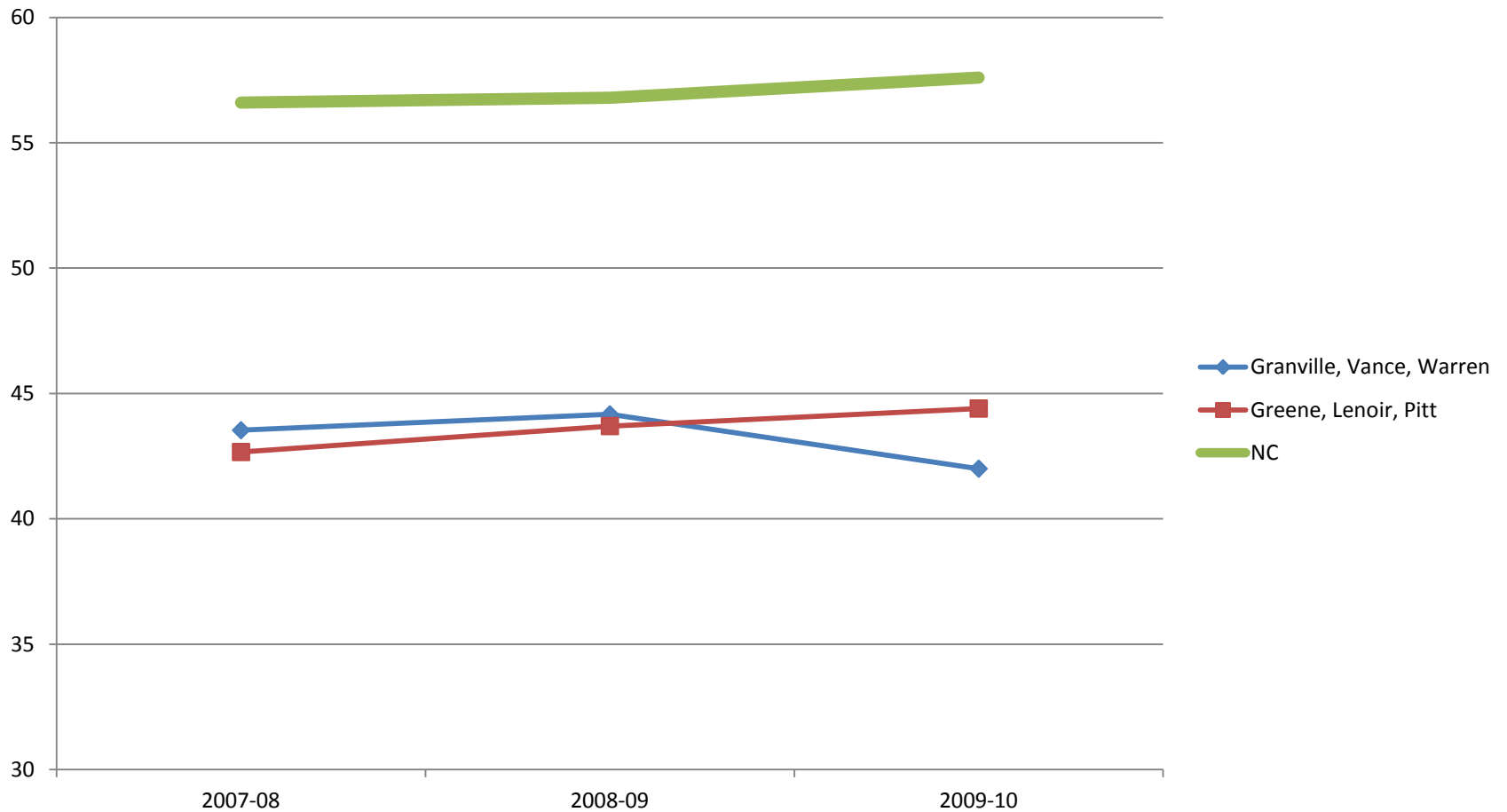


2009-10 LEA DATA

INDICATOR 1	49.4
INDICATOR 2	10.5
INDICATOR 3a	NO
INDICATOR 4a	n/a
INDICATOR 4b	n/a
INDICATOR 5a	45.7
INDICATOR 5b	20.3
INDICATOR 5c	1.8
INDICATOR 6	n/a
INDICATOR 7	***
INDICATOR 8	34
INDICATOR 9	NO
INDICATOR 10	NO
INDICATOR 11	92.48
INDICATOR 12	94.9
INDICATOR 13a	100
INDICATOR 13b	100
INDICATOR 14	n/a
INDICATOR 15a	100
INDICATOR 15b	100

KEY	RED TEXT	Scored Below NC Average
	RED FILL	Scored Below NC Target

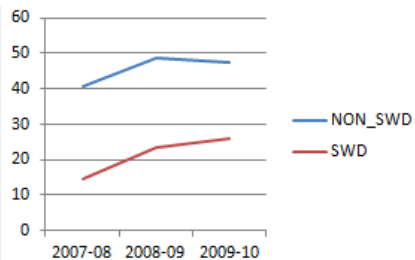
Targeted Zones & NC Average



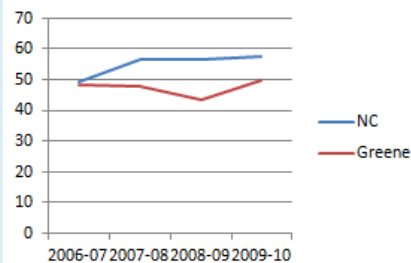
And then there were two...

Greene

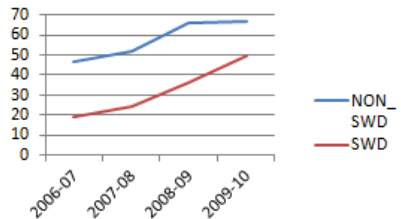
READING PROFICIENCY - 3 YR TREND



GRADUATION RATE - 4 YR TREND



MATH PROFICIENCY - 4 YR TREND



2009-10 ASSESSMENT DATA

Grade	Participation		Proficiency	
	RDG	MA	RDG	MA
3	100	100	17.9	39.3
4	96.8	96.8	23.3	56.7
5	100	100	19.4	38.9
6	97.4	97.4	32.4	35.1
7	100	100	29.2	50
8	96.2	96.2	24	68
10	57.1	71.4	0	15

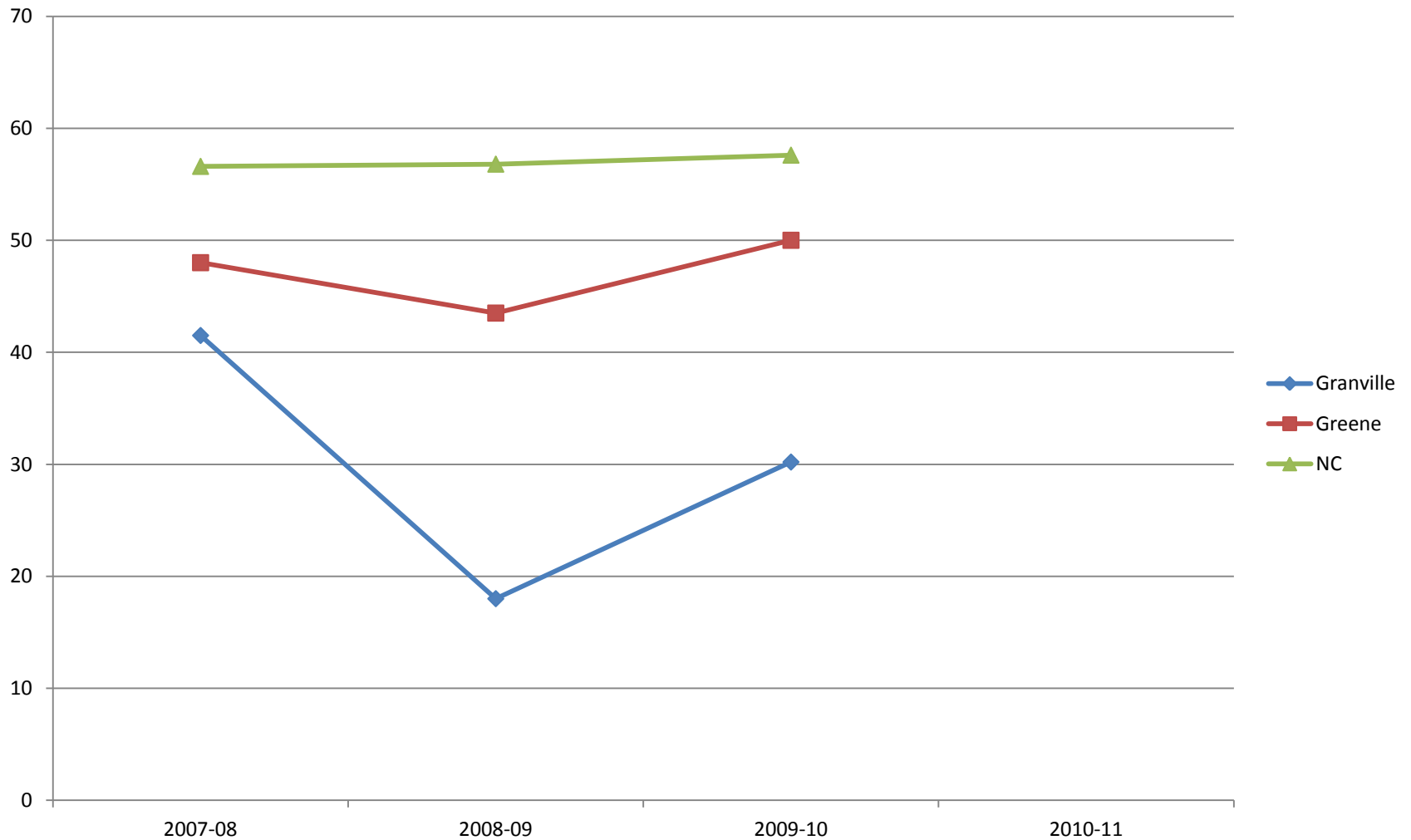
2009-10 LEA DATA

INDICATOR 1	50
INDICATOR 2	3.6
INDICATOR 3a	NO
INDICATOR 4a	n/a
INDICATOR 4b	n/a
INDICATOR 5a	53.6
INDICATOR 5b	32.6
INDICATOR 5c	0
INDICATOR 6	n/a
INDICATOR 7	***
INDICATOR 8	n/a
INDICATOR 9	NO
INDICATOR 10	NO
INDICATOR 11	98.1
INDICATOR 12	100
INDICATOR 13a	100
INDICATOR 13b	***
INDICATOR 14	n/a
INDICATOR 15a	***
INDICATOR 15b	100

KEY

RED TEXT	Scored Below NC Average
RED FILL	Scored Below NC Target

On the verge...



On the verge...

