
Nebraska Education

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Data Source

Nebraska Department Of Education - Nebraska Education Profile.

Link - <http://nep.education.ne.gov/>

This website provides information and data about Nebraska public schools and student performance.

It highlights students performance by district and schools in Reading, Mathematics, Writing, and Science.

The source also provides information on performance by group of students including race and ethnicity, poverty, special education and English language learners.

Data Set Questions

- Which Schools have the highest test scores?
- Where are those schools located?
- Which subject areas are strengths, which are weaknesses?
- What is the effect of Attendance on Dropout rates?
- How many students are graduating year wise based on demographics ?

Why the questions are Important

- This information could be used to evaluate the success of Nebraska Schools, and determine which schools are more successful than others.
- This could have an impact on where people decide to live so they can get into the best school district.
- This information could become useful to the Nebraska Government in trying to figure out the education profile of the citizens of Nebraska.

Who Should Care

Helps in decision making

- Parents
- Community Leaders
- Policymakers
- Education Leaders

The information is intended to help the public and school officials become aware of school, district, and state education performance.

How we used it

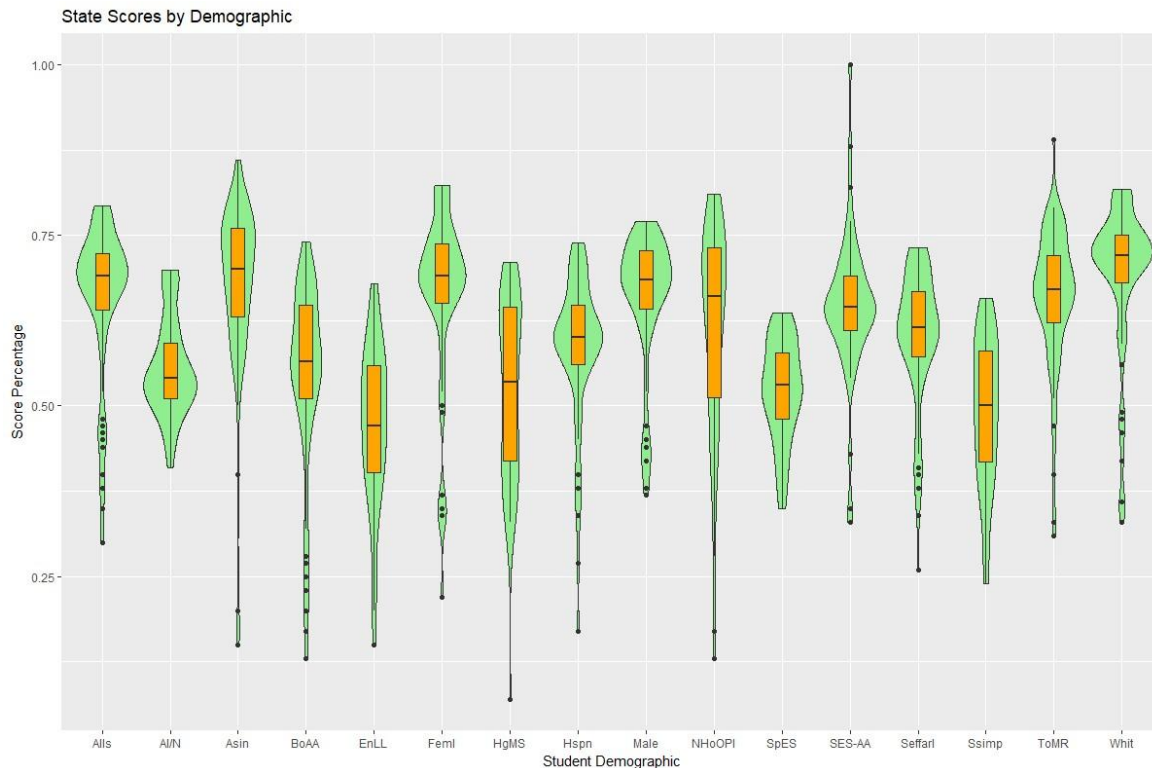
Subject wise plots

County wise Dropout Rate and Attendance Rate

Geolocation of Counties and Zip codes

Student Demographics

Breaking the Data Ice!



All Around Score Rank

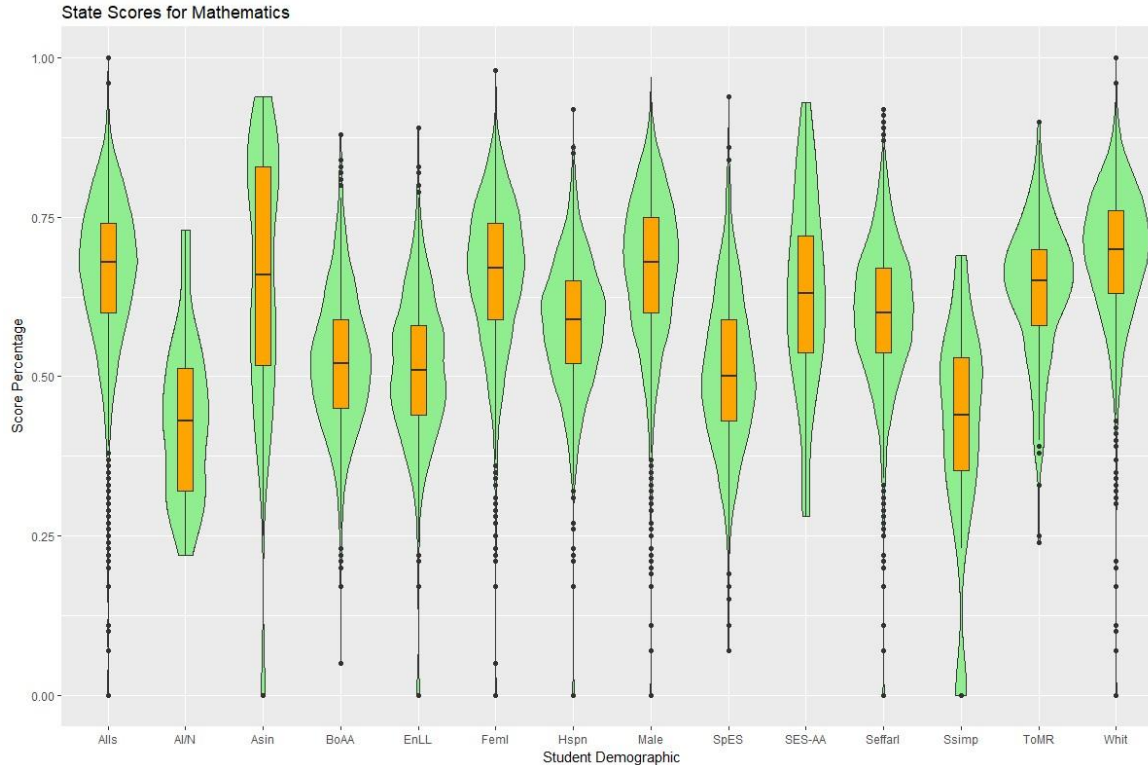
1. White
2. Asian
3. Females
4. Males

Females are smarter
than Males!!

You Go Girl!

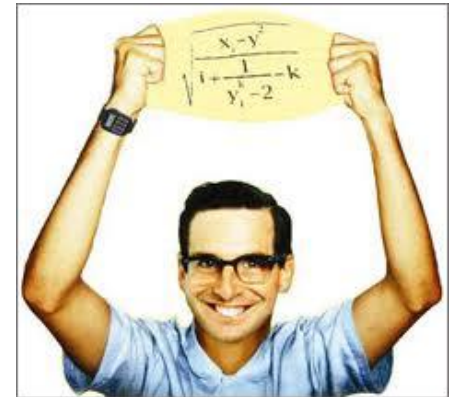


Breaking the Data Ice!

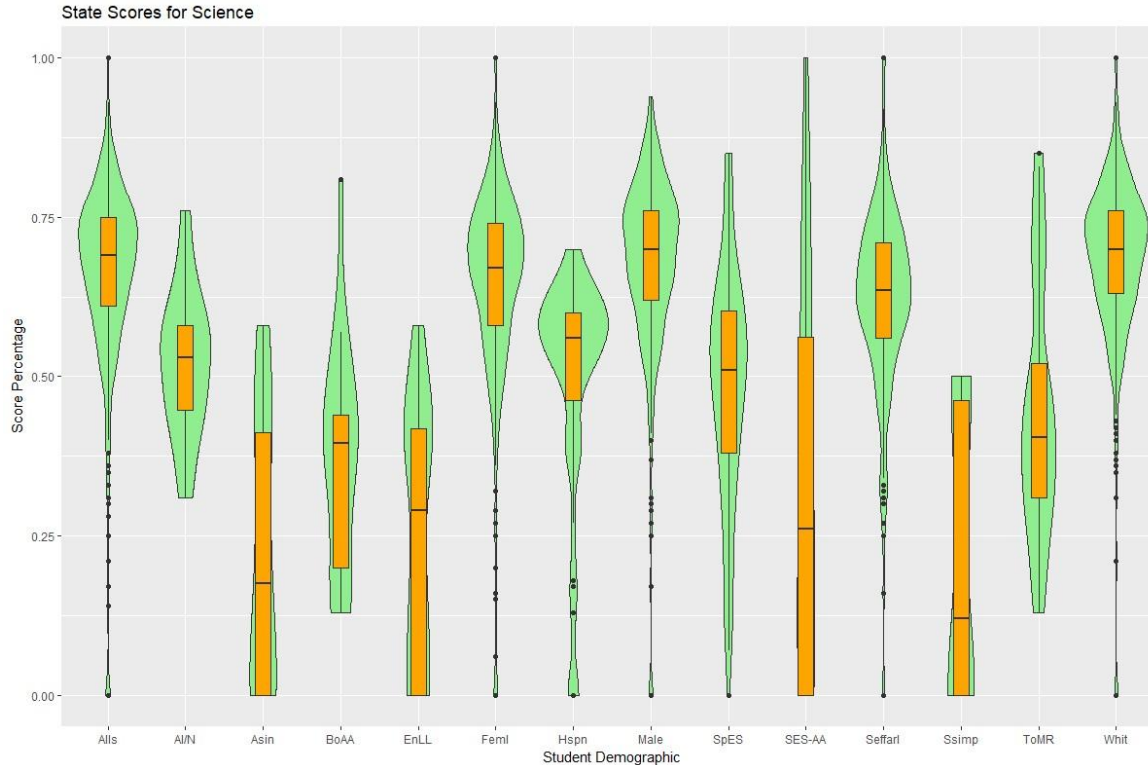


Mathematic Score Rank

1. Asian
2. White
3. Males
4. Females



Breaking the Data Ice!

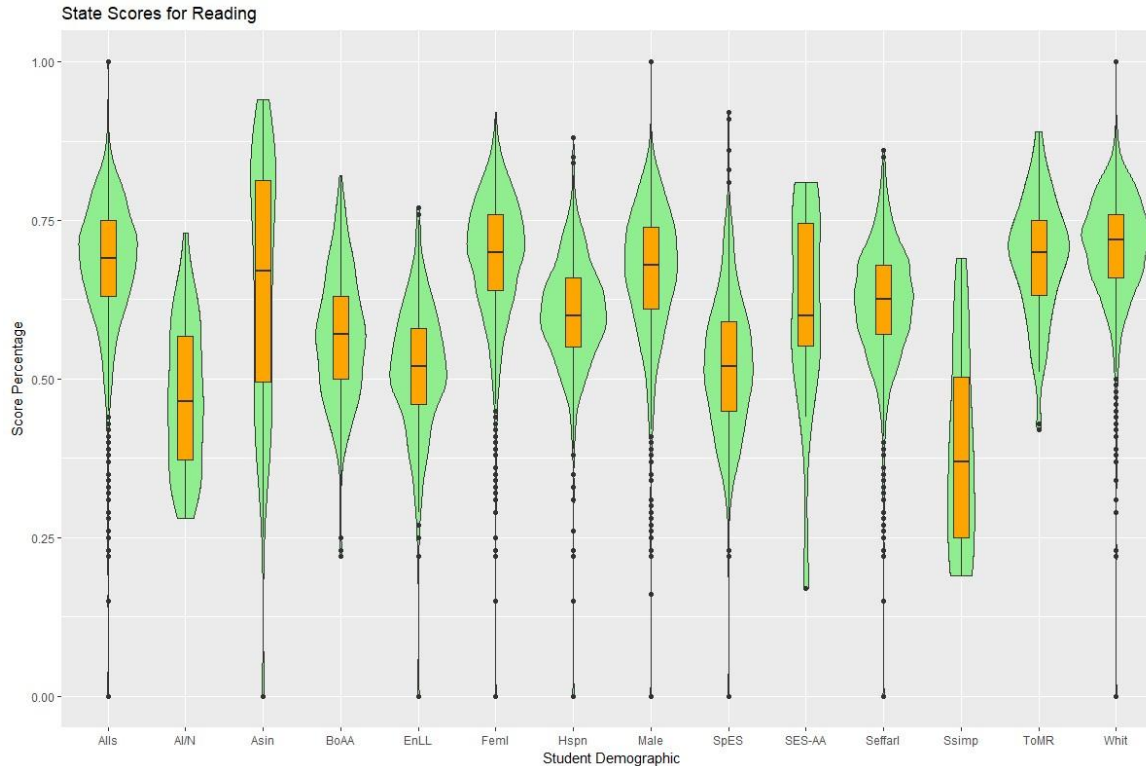


Science Score Rank

1. White
2. Males
3. Females
4. Students eligible for free lunch



Breaking the Data Ice!

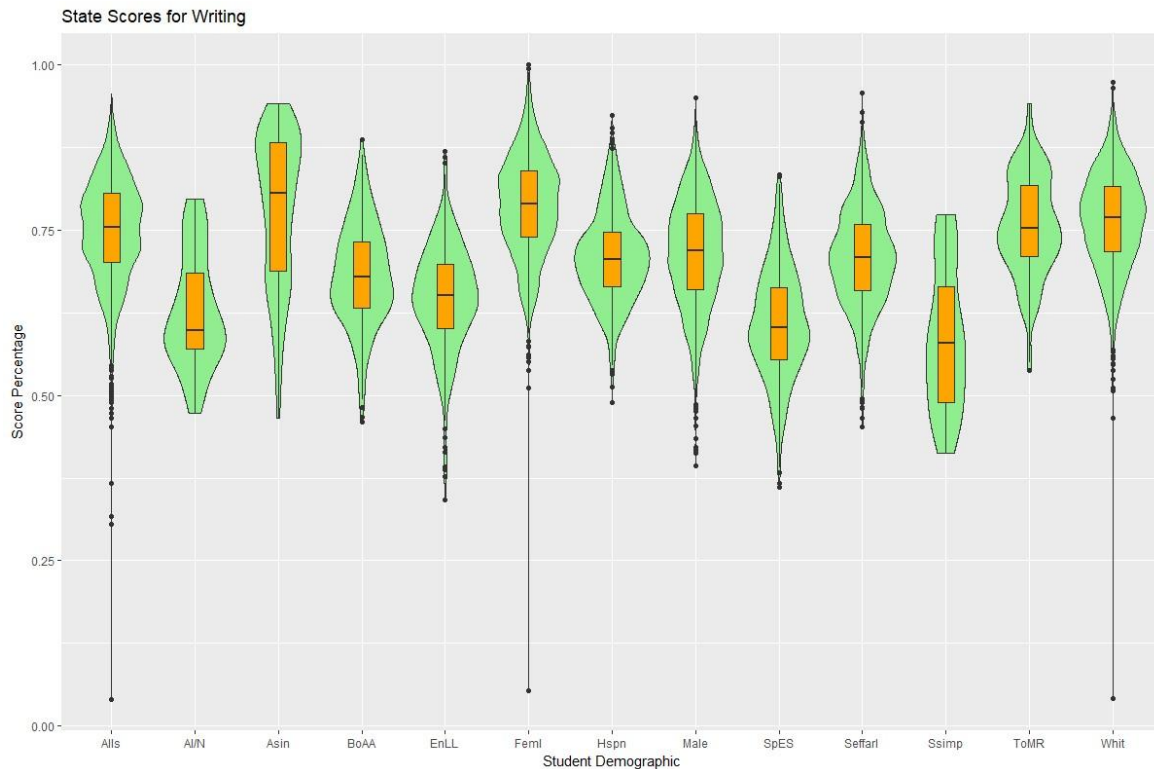


Reading Score Rank

1. White
2. Females
3. 2 or more Races
4. Males



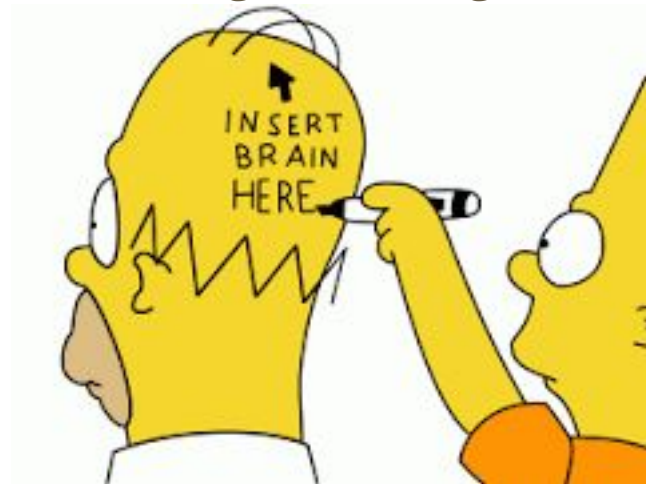
Breaking the Data Ice!



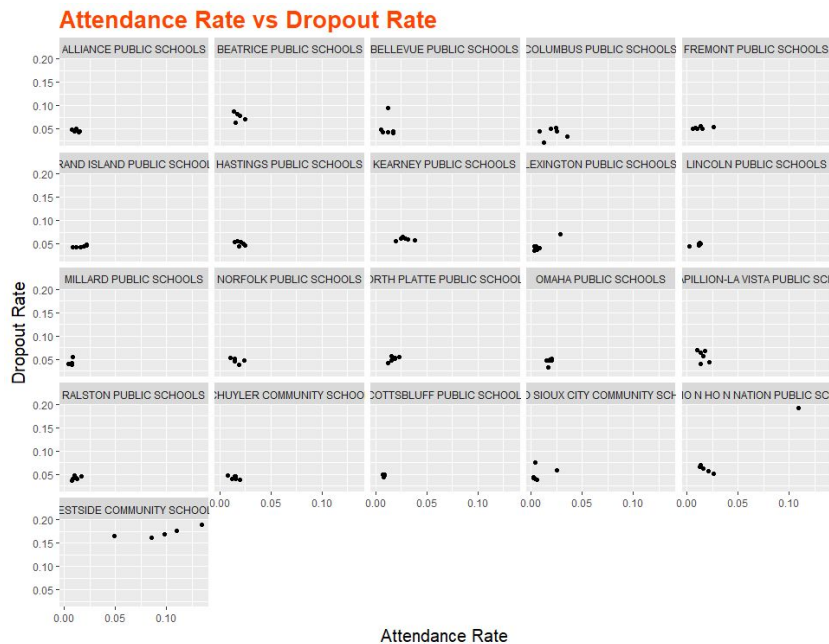
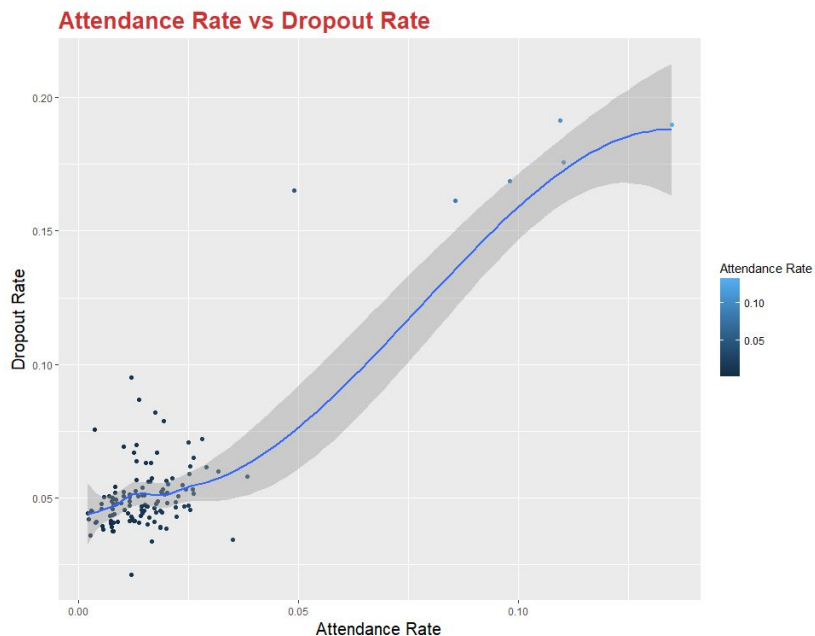
Writing Score Rank

1. Asian
2. Females
3. White
4. 2 or more Races

Males not good enough!

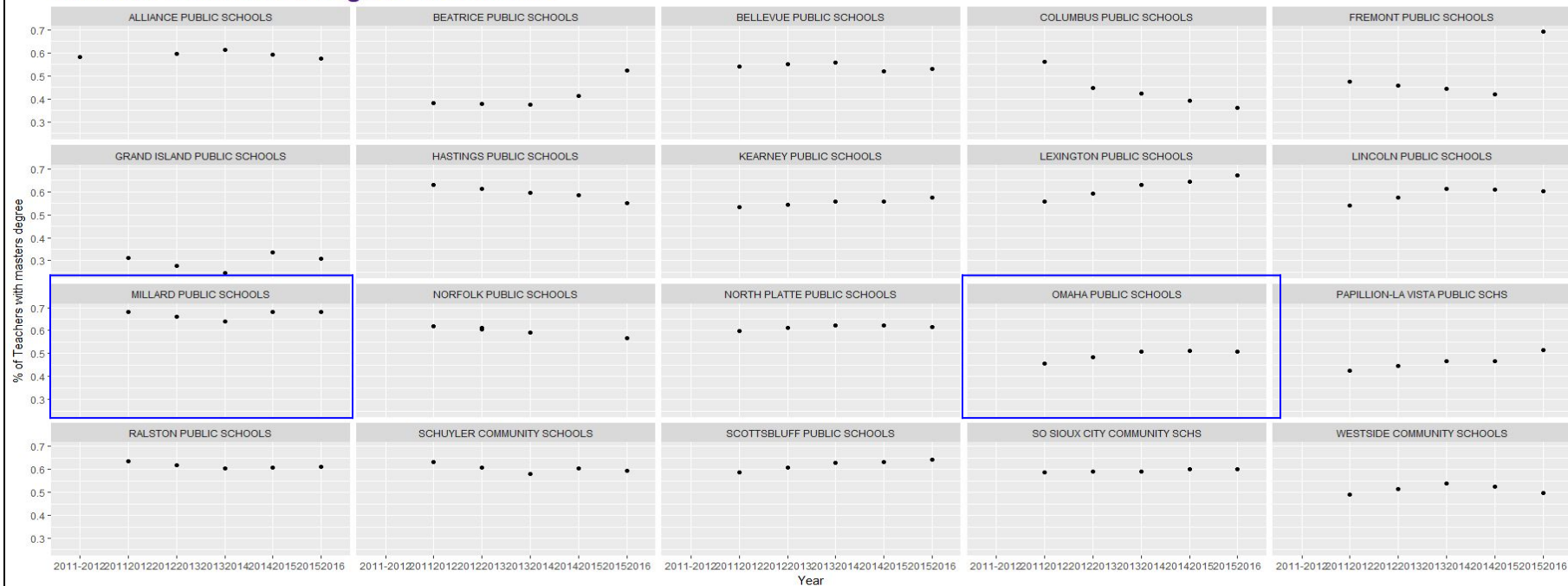


How about the attendance?

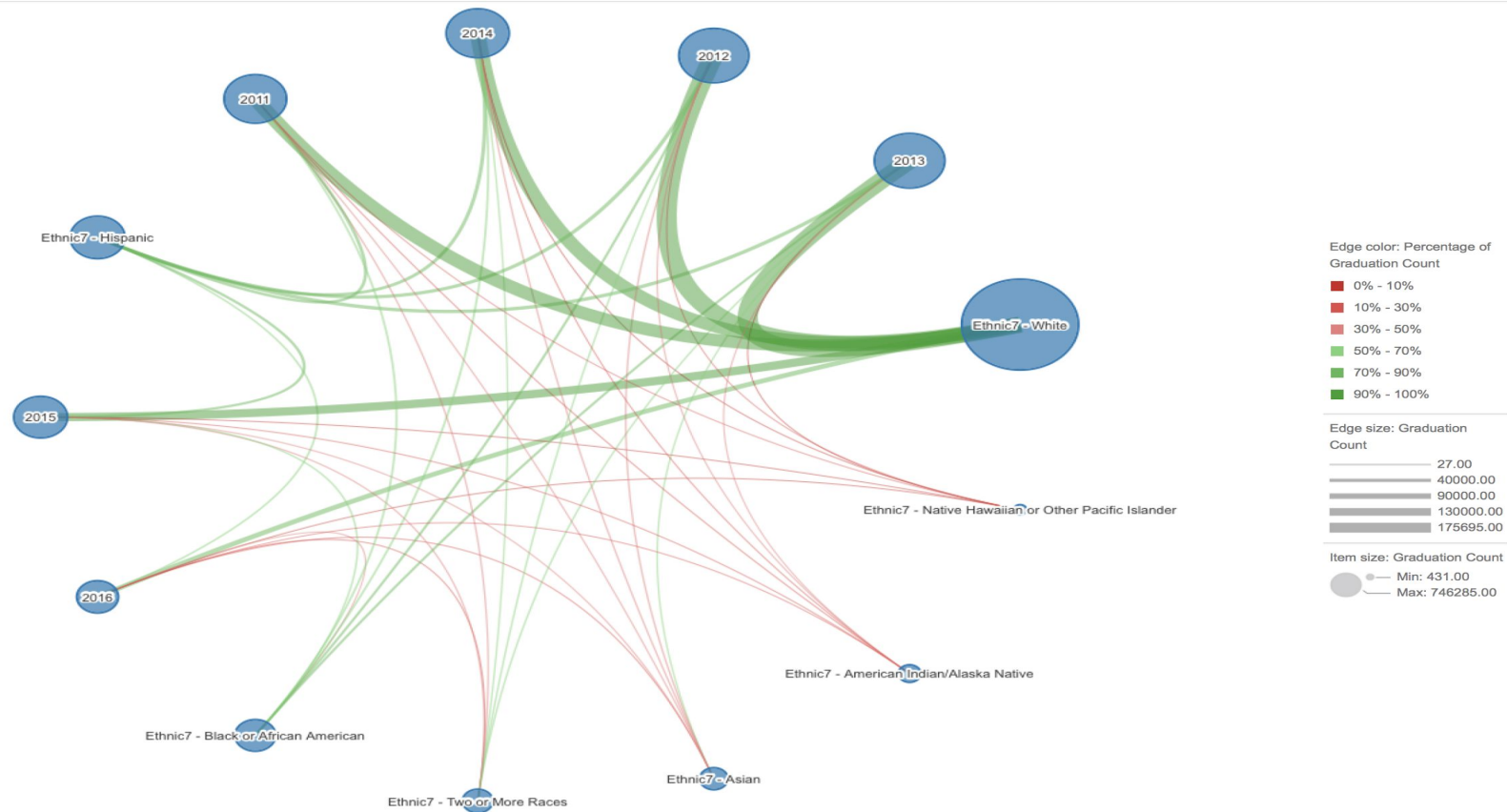


Master's Degree

Teachers with Master's Degree - District wise



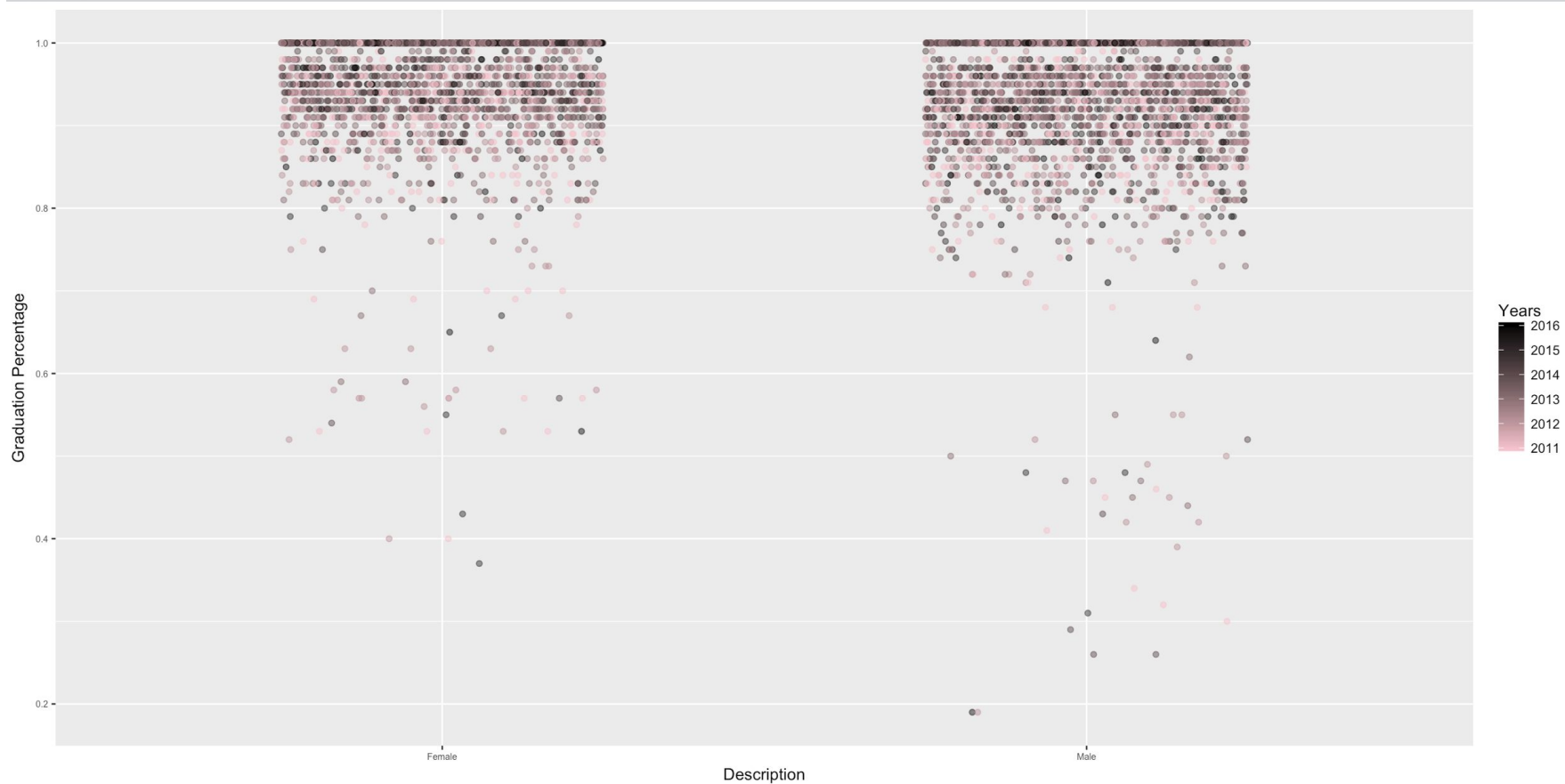
Graduation percentage by Ethnicity over the years



Graduation percentage by Other Category over the years

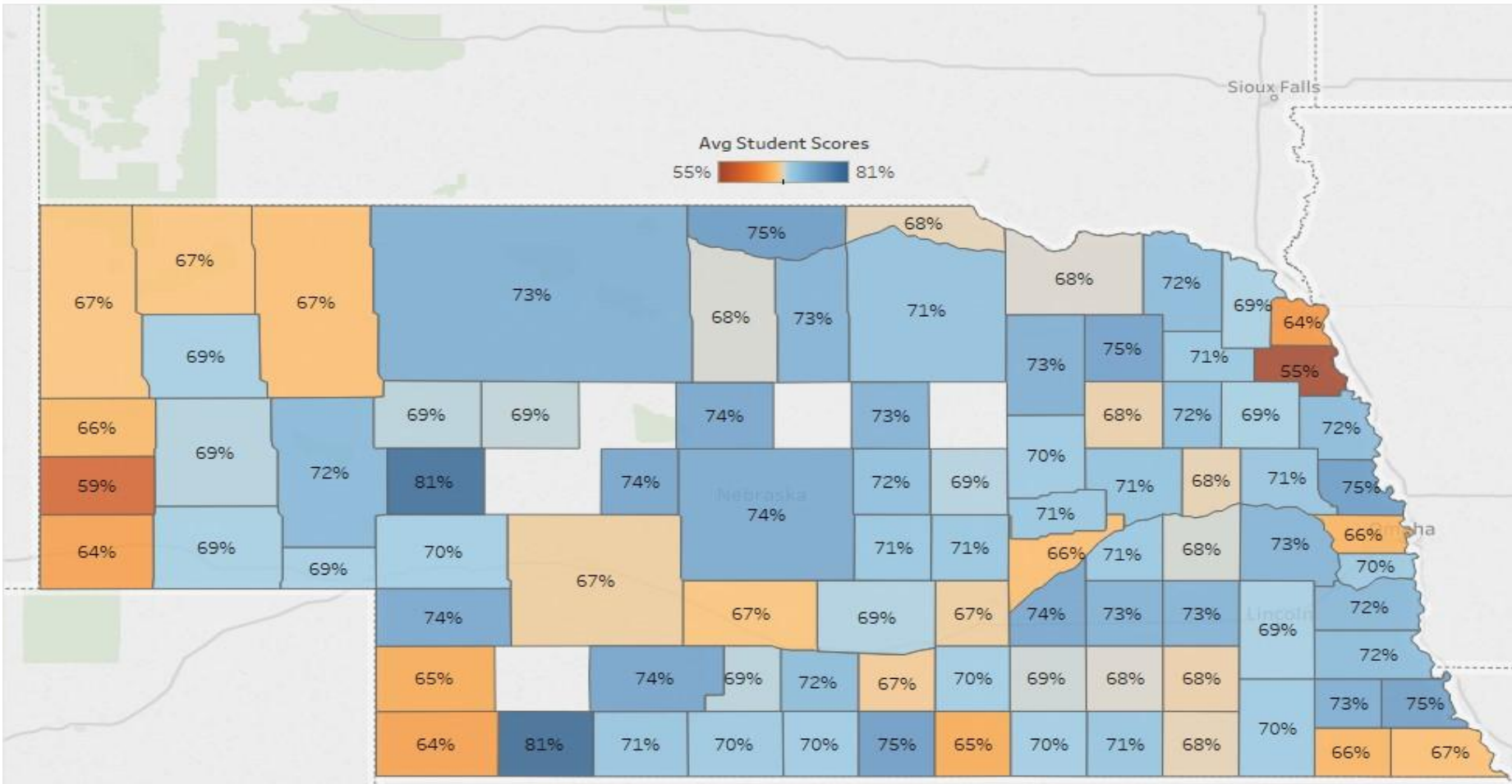


Graduation percentage by Gender over the years

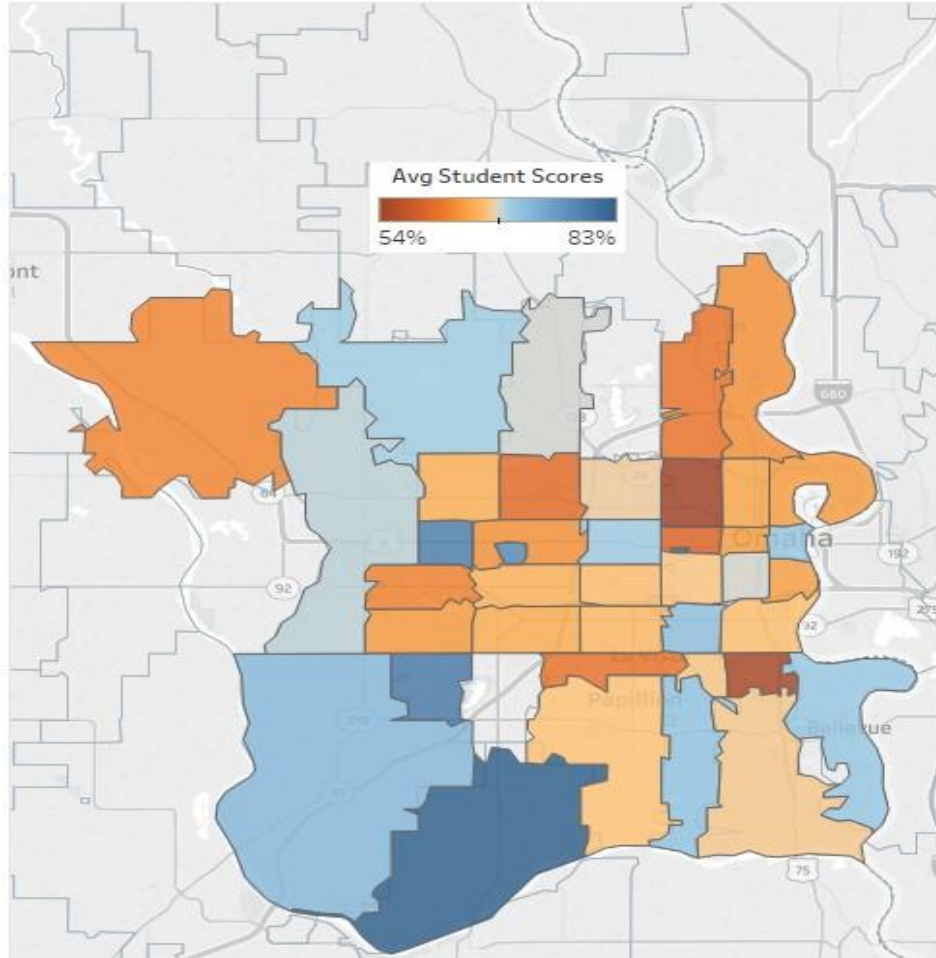


Avg Student Scores
55% 81%

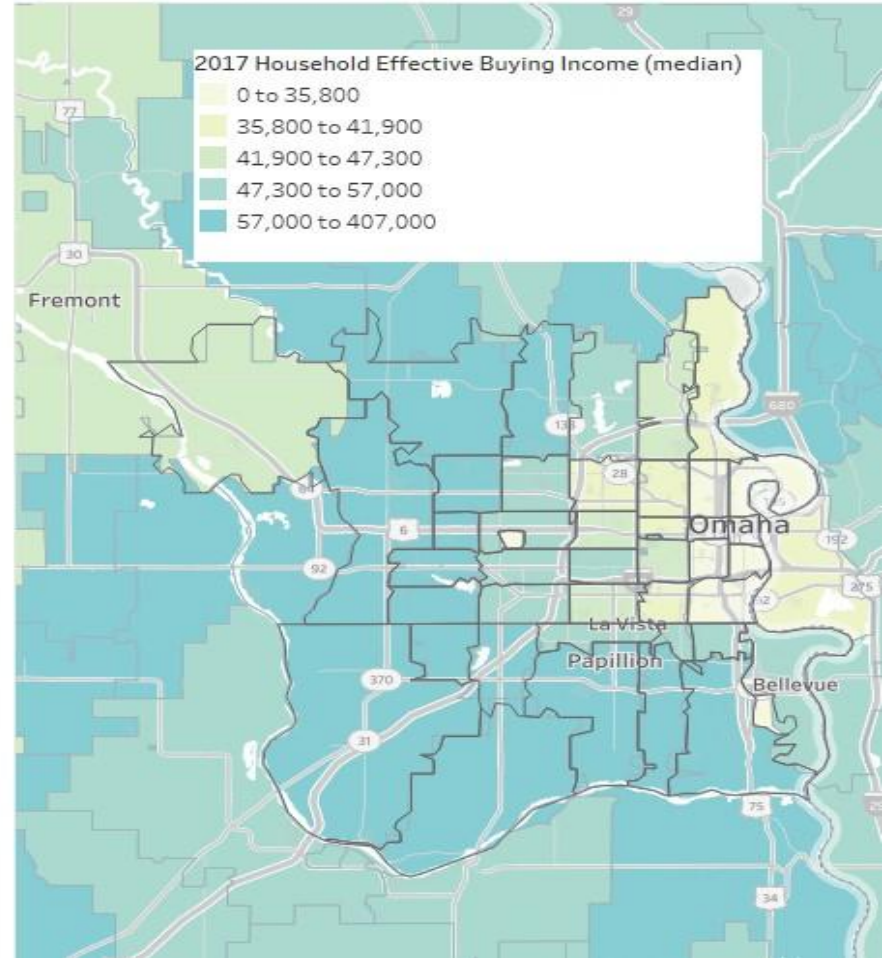
County	Avg Student Score
Adair	67%
Adams	67%
Agate	67%
Antelope	73%
Arthur	75%
Benett	68%
Blaine	68%
Boone	73%
Box Butte	71%
Boyd	68%
Bozeman	72%
Buffalo	69%
Butte	64%
Calhoun	55%
Chadron	68%
Cherry	72%
Cheyenne	71%
Columbia	69%
Conkling	72%
Cook	69%
Cottonwood	72%
Crawford	75%
Cummins	66%
Cyclops	70%
Dallas	73%
Dawson	70%
Deuel	71%
Dodge	66%
Dundy	71%
Dwight	68%
Ellis	73%
Franklin	68%
Furness	68%
Gallatin	70%
Garden	73%
Gosport	72%
Grant	72%
Harlan	73%
Harrison	75%
Hayes	66%
Heldreth	70%
Hemphill	72%
Holt	72%
Howard	74%
Humboldt	73%
Imperial	75%
Jackson	66%
Jefferson	67%
Kimball	67%
Kearney	69%
Kennett	67%
Knox	70%
Lancaster	74%
Lincoln	74%
Loup	71%
Lyon	71%
McPherson	67%
Madison	69%
Mahar	67%
Mandaree	69%
Marion	72%
McCook	74%
McPherson	74%
Miner	65%
Moffat	74%
Morrison	69%
Muskegon	72%
Nemaha	67%
Nemuro	70%
Nichols	70%
Nodaway	75%
Osage	65%
Osborne	70%
Otoe	71%
Pawnee	68%
Pender	68%
Perry	70%
Pierce	71%
Pittsburg	68%
Polk	70%
Rock	73%
Saline	66%
Seward	67%
Sheldon	72%
Sioux	72%
Stanton	72%
Stearns	72%
Thayer	72%
Townsend	72%
Turner	72%
Valley	72%
Wagon Wheel	72%
Washington	72%
Webster	72%
Wheeler	72%
Wichita	72%
Woods	72%
York	72%



Douglas/Sarpy Co Scores by Zipcode



Household Effective Buying Income



School Evaluations

Top / Bottom 5 Elementary Schools

Agency Name	Subject			Grand Total
	Mathematics	Reading	Writing	
HITCHCOCK ELEMENTARY SCHOOL	87%	87%	85%	86%
MANCHESTER ELEMENTARY SCHOOL	88%	86%	79%	85%
ALDRICH ELEMENTARY	82%	85%	86%	83%
WEST BAY ELEMENTARY SCHOOL	83%	85%	81%	83%
STANDING BEAR ELEMENTARY SCH	80%	85%	84%	83%
GOMEZ HERITAGE ELEMENTARY SCH	42%	48%	69%	50%
WAKONDA ELEM SCHOOL	50%	46%	55%	50%
JACKSON ELEMENTARY SCHOOL	47%	46%	61%	49%
MINNE LUSA ELEM SCHOOL	44%	45%	64%	48%
DRUID HILL ELEMENTARY SCHOOL	39%	47%	50%	43%

Top / Bottom 5 Middle Schools

Agency Name	Subject			Grand Total
	Mathematics	Reading	Science	
ELKHORN GRANDVIEW MIDDLE SCHOOL	83%	82%		84%
VALLEY VIEW MIDDLE SCHOOL	79%	81%		82%
ELKHORN RIDGE MIDDLE SCHOOL	80%	81%		82%
ELKHORN MIDDLE SCHOOL	77%	81%		81%
RUSSELL MIDDLE SCHOOL	77%	81%		80%
MC MILLAN MAGNET MIDDLE SCHOOL	52%	57%		59%
BRYAN MIDDLE SCHOOL	49%	62%		58%
NORRIS MIDDLE SCHOOL	43%	56%		51%
MONROE MIDDLE SCHOOL	39%	47%	19%	40%
NATHAN HALE MAGNET MIDDLE SCHOOL	50%	57%	0%	39%

High School Ranking

Agency Name	Subject			Grand Total
	Mathematics	Reading	Science	
ELKHORN SOUTH HIGH SCHOOL			91%	91%
ELKHORN HIGH SCHOOL			89%	89%
PLATTEVIEW SENIOR HIGH SCHOOL			87%	87%
MILLARD NORTH HIGH SCHOOL			86%	86%
WESTSIDE HIGH SCHOOL			85%	85%
MILLARD WEST HIGH SCHOOL			85%	85%
GRETNA HIGH SCHOOL			84%	84%
MILLARD SOUTH HIGH SCHOOL			83%	83%
PAPILLION JUNIOR HIGH SCHOOL	78%	80%		82%
DOUGLAS CO WEST HIGH SCHOOL			82%	82%
PAPILLION-LA VISTA SENIOR HIGH			82%	82%
PLATTEVIEW CENTRAL JR HIGH SCHOOL	78%	79%		82%
BELLEVUE WEST SR HIGH SCHOOL			81%	81%
BELLEVUE EAST SR HIGH SCHOOL			81%	81%
CENTRAL HIGH SCHOOL			78%	78%
LA VISTA JUNIOR HIGH SCHOOL	74%	76%		77%
BURKE HIGH SCHOOL			76%	76%
RALSTON HIGH SCHOOL			76%	76%
OMAHA NORTHWEST MAGNET HIGH SCH..			69%	69%
BRYAN HIGH SCHOOL			69%	69%
HIGHLAND ELEM SCHOOL	53%	53%		55%
BENSON MAGNET HIGH SCHOOL	0%	34%	0%	23%
OMAHA NORTH MAGNET HIGH SCHOOL	0%	0%	0%	21%
OMAHA SOUTH MAGNET HIGH SCHOOL	0%	0%	0%	21%

Limitations

Not all schools are included.

Data for attendance rate and dropout - 2010 - 2016.

% of Teachers with Master's degree 2011 - 2016.

Exam scores are only for 2015-2016.

Missing exam scores, don't provide a fair analysis.

Private schools are exempt from evaluation.

Standardized test scores don't always reflect intelligence.

Decision / Conclusions

- Schools in Douglas and Sarpy county are decent, depends on location.
 - Prime choice would be Elkhorn, Millard, Westside, Platteview, Papillion, Gretna
- There appears to be a connection to Income and Education.
- Higher percentage of teachers with Master's degree possibly impact student exam scores.
- State of Nebraska should emphasize more (better) data collection and analysis on school performance.

