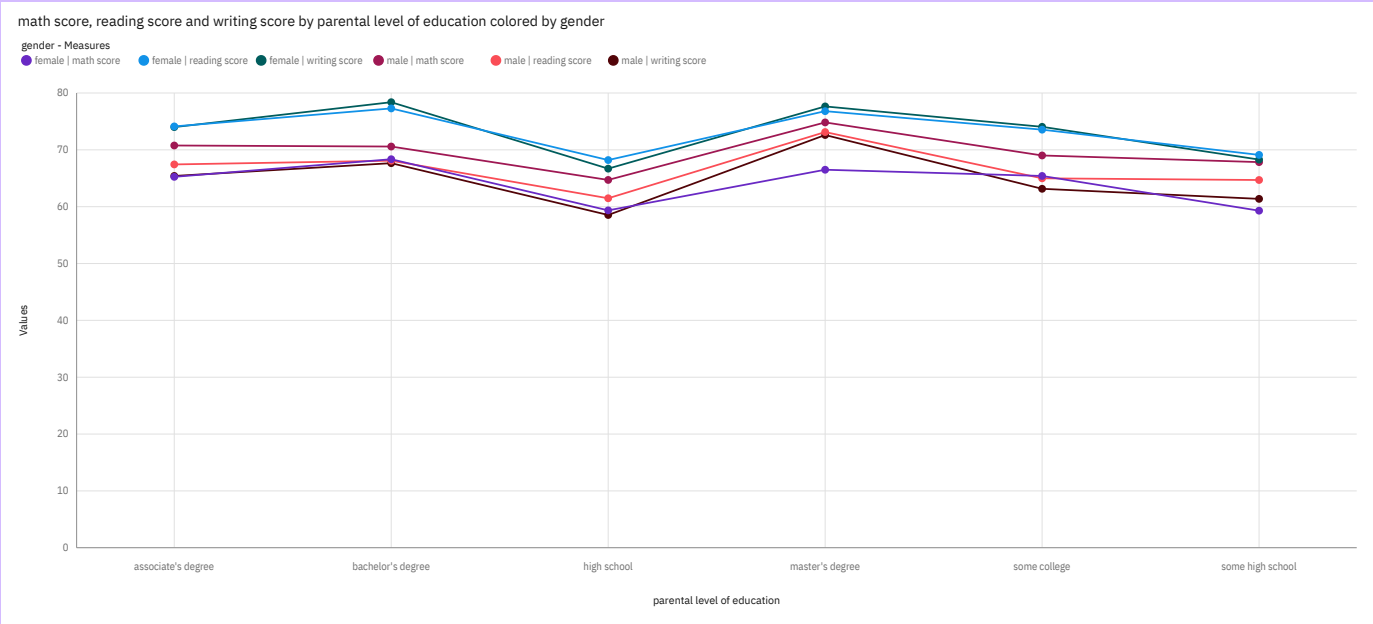**Unleashing the Potential of our Youth : A student performance analysis**

by J Ashok Chandra,
Akasapu Hemanth Bhavani Ganesh ,
Baranti Pavan kumar,
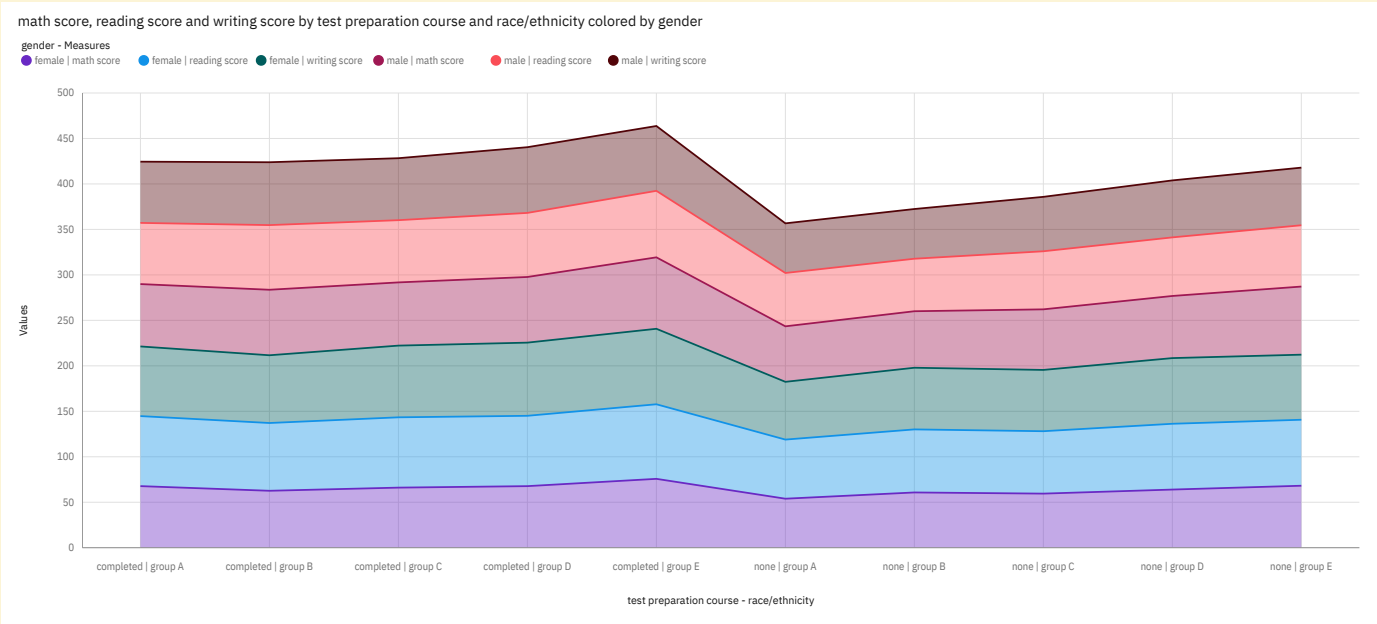Mylapalli Satish,
Sahil Arjee

Line chart

- Gender male has the highest average math score due to race/ethnicity group E.
- Gender male has the highest average math score due to parental level of education master's degree.

math score, reading score and writing score by parental level of education colored by gender

gender - Measures
● female | math score ● female | reading score ● female | writing score ● male | math score ● male | reading score ● male | writing score
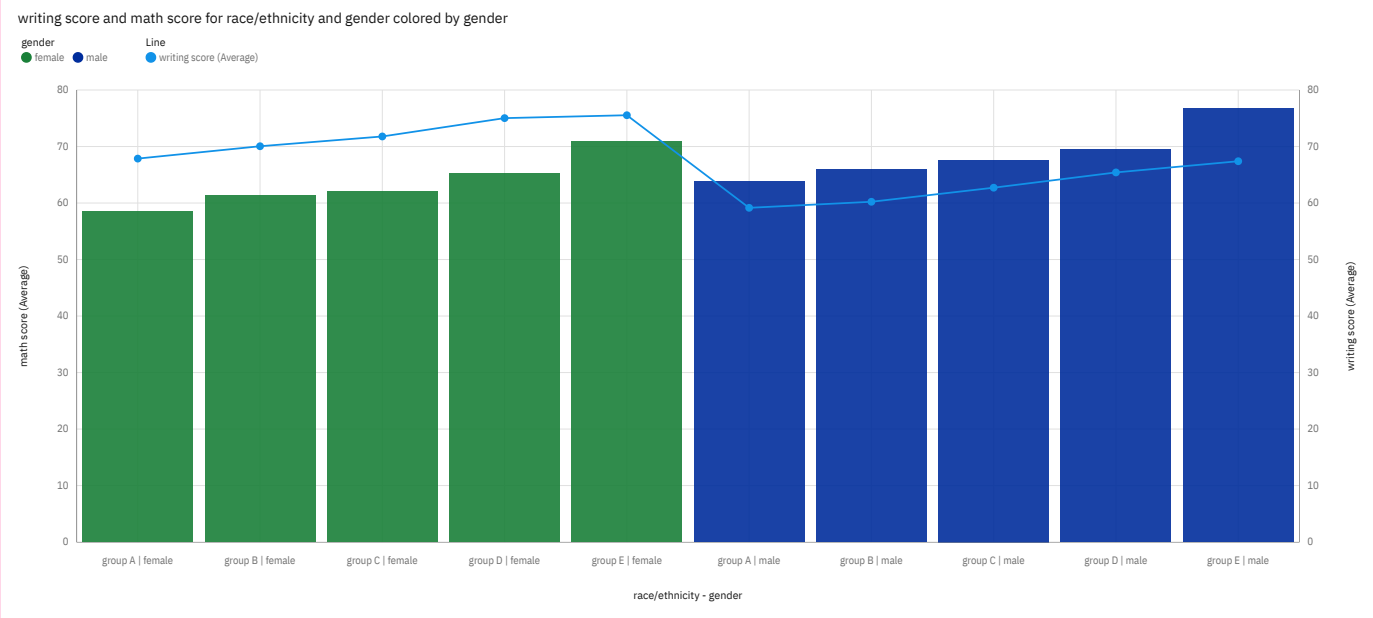
Area Chart

- Race/ethnicity group E math score from parental level of education bachelor's degree is 76.56, whereas group D is only 67.57.
- Test preparation course completed has the highest average math score due to parental level of education bachelor's degree.

math score, reading score and writing score by test preparation course and race/ethnicity colored by gender

gender - Measures
● female | math score ● female | reading score ● female | writing score ● male | math score ● male | reading score ● male | writing score
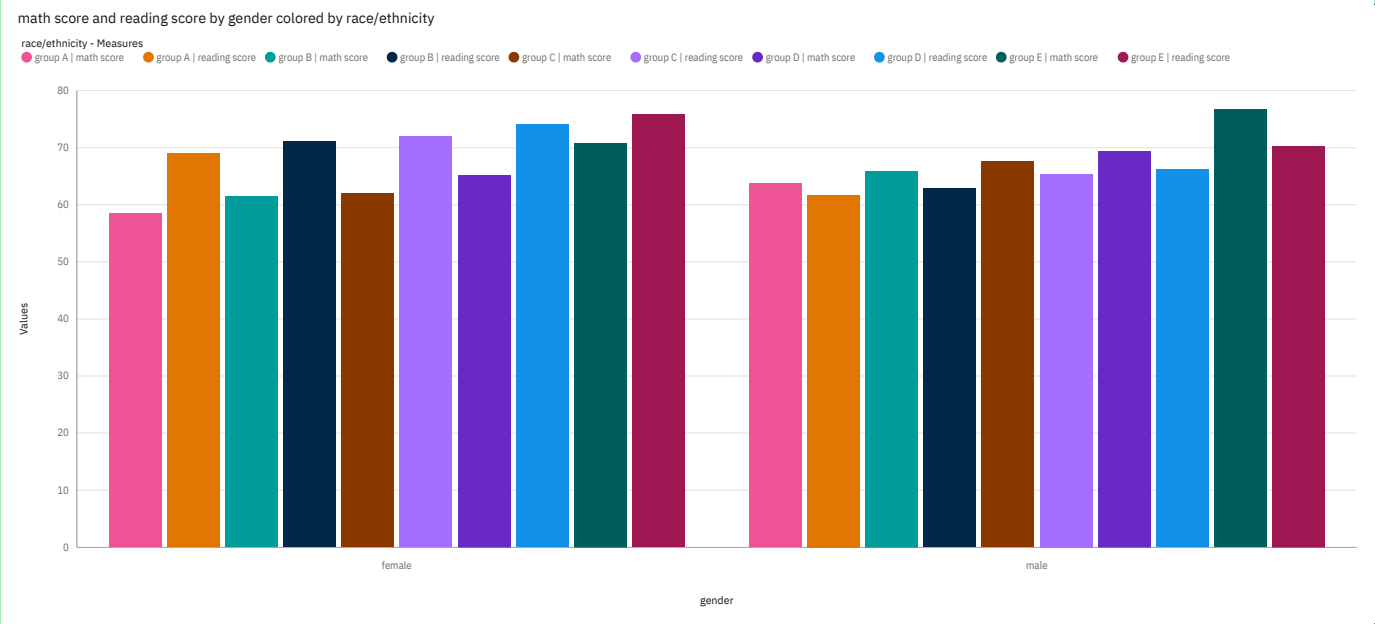
Column-Line Chart

- Reading score and math score diverged the most when gender is female, and when reading score was 8.975 higher than the math score.
- Race/ethnicity group E has the highest values of both math score and reading score.

writing score and math score for race/ethnicity and gender colored by gender
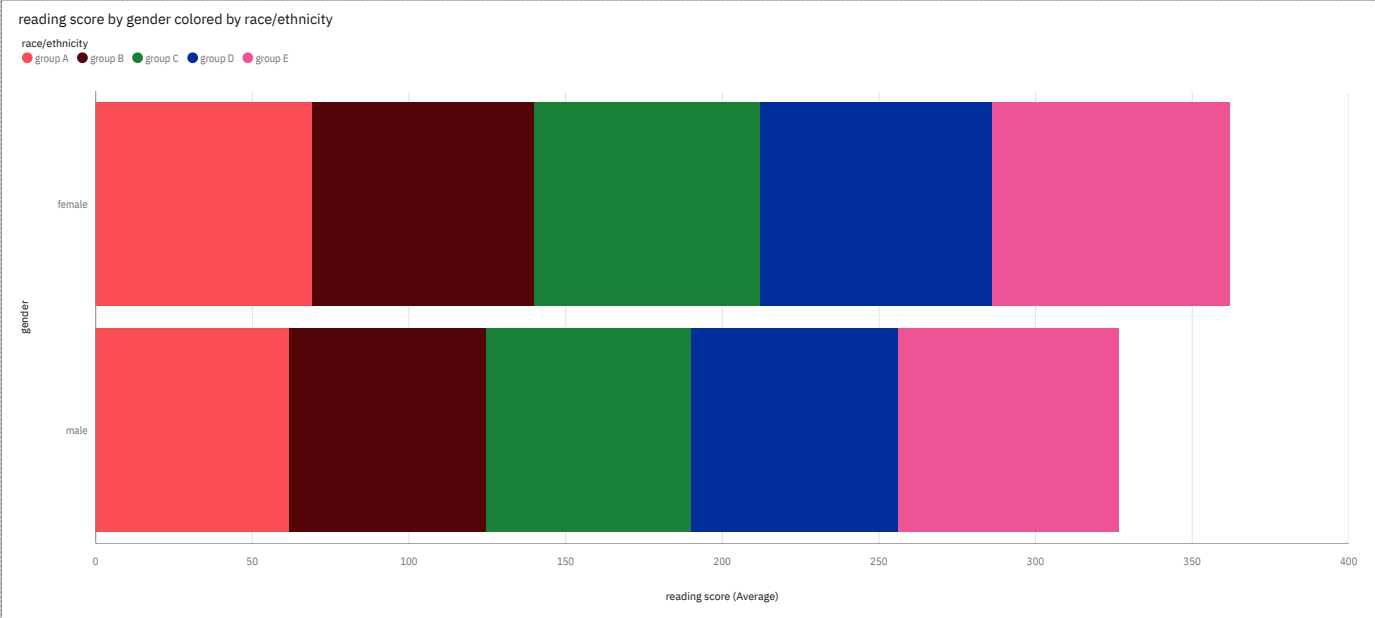
Column chart

- Writing score and math score diverged the most when gender is female, and when writing score was 8.834 higher than the math score.
- Writing score and math score diverged the most when race/ethnicity is group C, and when writing score was 3.364 higher than the math score.

math score and reading score by gender colored by race/ethnicity

race/ethnicity - Measures

● group A | math score ● group A | reading score ● group B | math score ● group B | reading score ● group C | math score ● group C | reading score ● group D | math score ● group D | reading score ● group E | math score ● group E | reading score
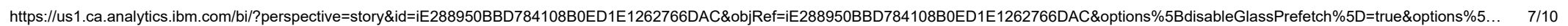
Bar Chart

- Gender female has the highest average reading score due to race/ethnicity group E.
- Reading score is most unusual when the combinations of gender and race/ethnicity are male and group B, female and group E and male and group A.

reading score by gender colored by race/ethnicity

race/ethnicity
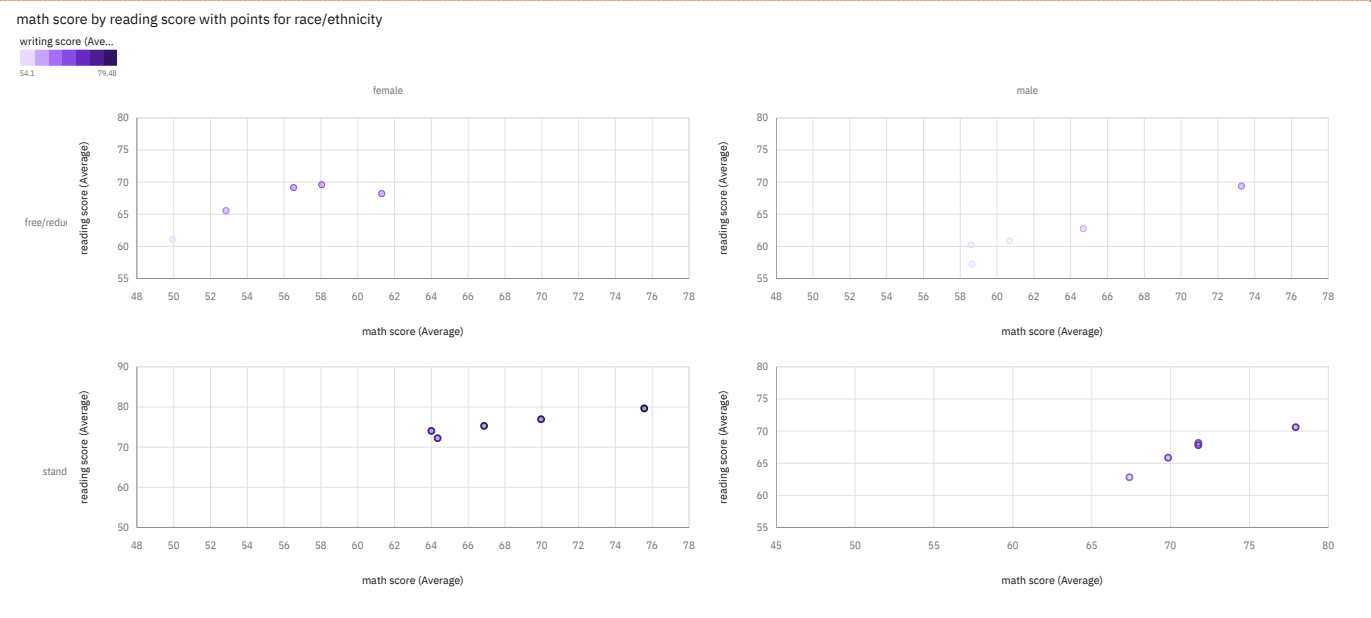● group A ● group B ● group C ● group D ● group E

Word Cloud

- Writing score is unusually high when parental level of education is master's degree.
- Writing score is most unusual when the combinations of parental level of education and race/ethnicity are master's degree and group D, high school and group C, bachelor's degree and group C, high school and group B and some high school and group A.

parental level of education colored by race/ethnicity sized by writing score

writing score (Ave...   race/ethnicity
58.58   80.5   ● group A ● group B ● group C ● group D ● group E

Scatter Plot

- Race/ethnicity group E math score from parental level of education bachelor's degree is 76.56, whereas group D is only 67.57.
- Gender male has the highest average math score due to lunch standard.

math score by reading score with points for race/ethnicity

writing score (Ave...

54.1   79.48

Data Table

- The Table illustrates the **information** regarding **Students** (Gender, Race/Ethnicity, Parental level of education) who have completed there **Test Preparation** .

gender, race/ethnicity and parental level of education

gender	race/ethnicity	parental level of education
female	group A	associate's degree
		high school
		some college
		some high school
	group B	associate's degree
		bachelor's degree
		high school
		master's degree
		some college
		some high school
	group C	associate's degree
		bachelor's degree
		high school
		master's degree
		some college
		some high school
	group D	associate's degree
		bachelor's degree
		high school

Filter(s) applied to the visualization(s) on the previous page:

Widget 1
test preparation course Includes: completed