

project

UNLEASHING THE POTENTIAL OF OUR YOUTH: A STUDENT PERFORMANCE ANALYSIS

AGENDA

1. DATA ANALYSIS & EXPLORATIONS

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**GENDER DIVERSITY & GRADES
PARENTS EDUCATION & IT'S IMPACT
RACE DIVERSITY
TEST PREPARATION & GRADES
MEAL CHART
TOP STUDENTS & RANKS
GENDER AVERAGE RESULTS IN SUBJECTS
GENDER PASS,FAIL RATIO**

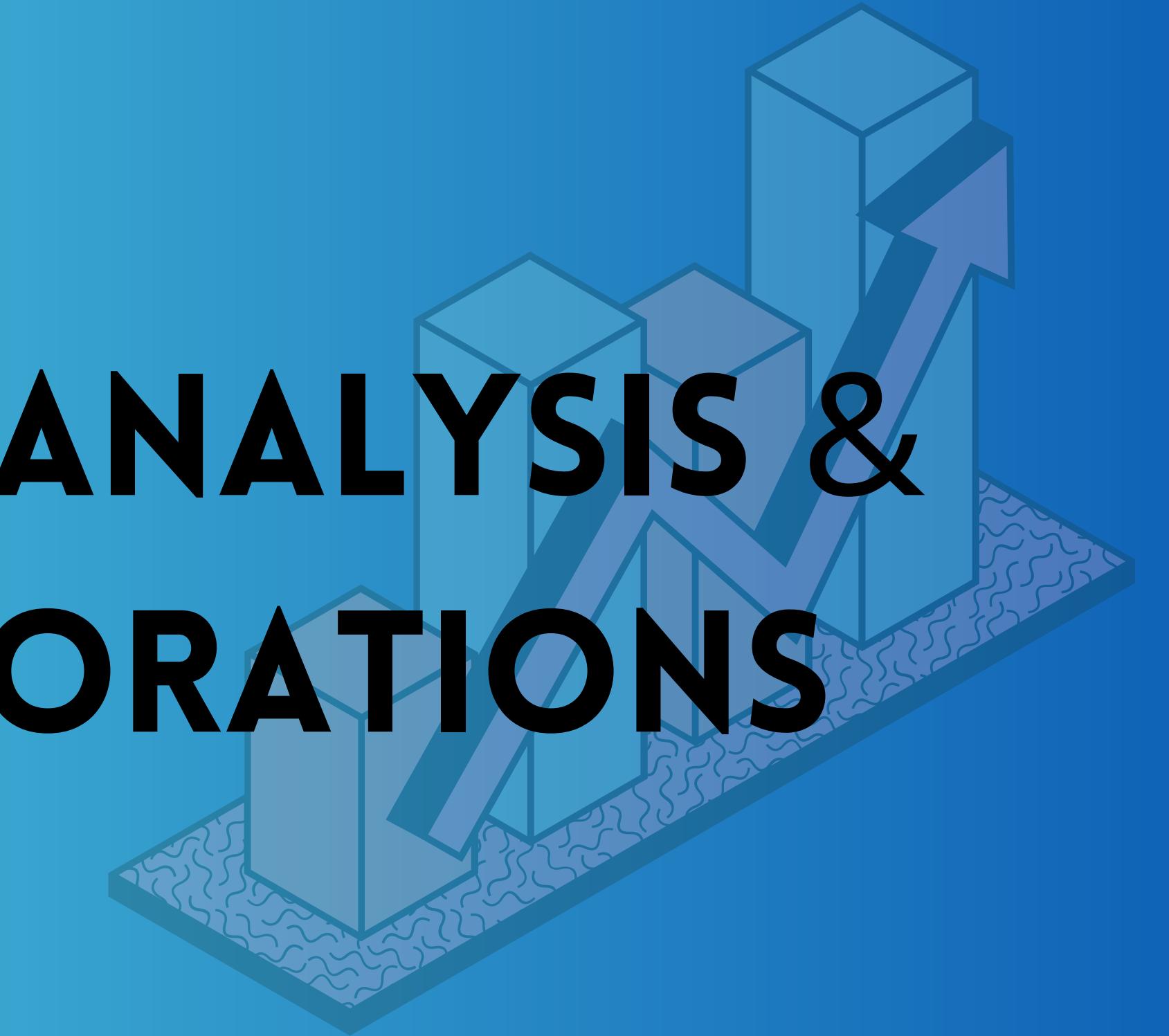
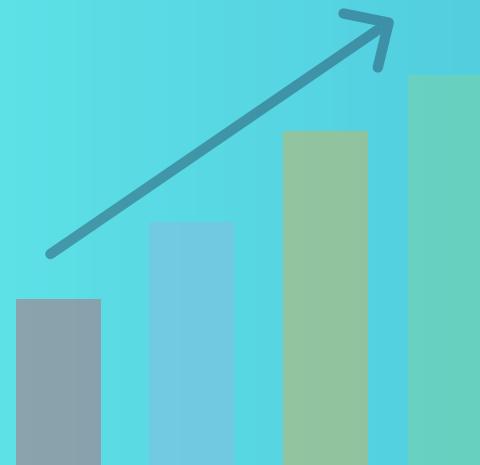
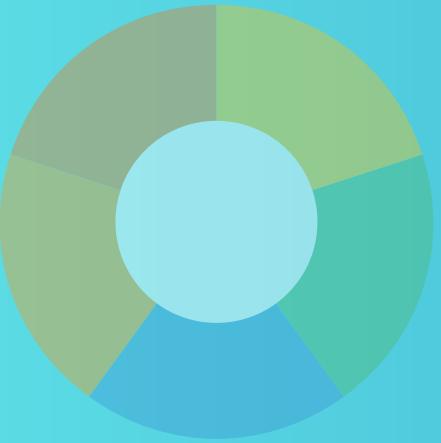
2. RESULT

3. CONCLUSION

4. TEAM MEMBER'S OF THIS PROJECT

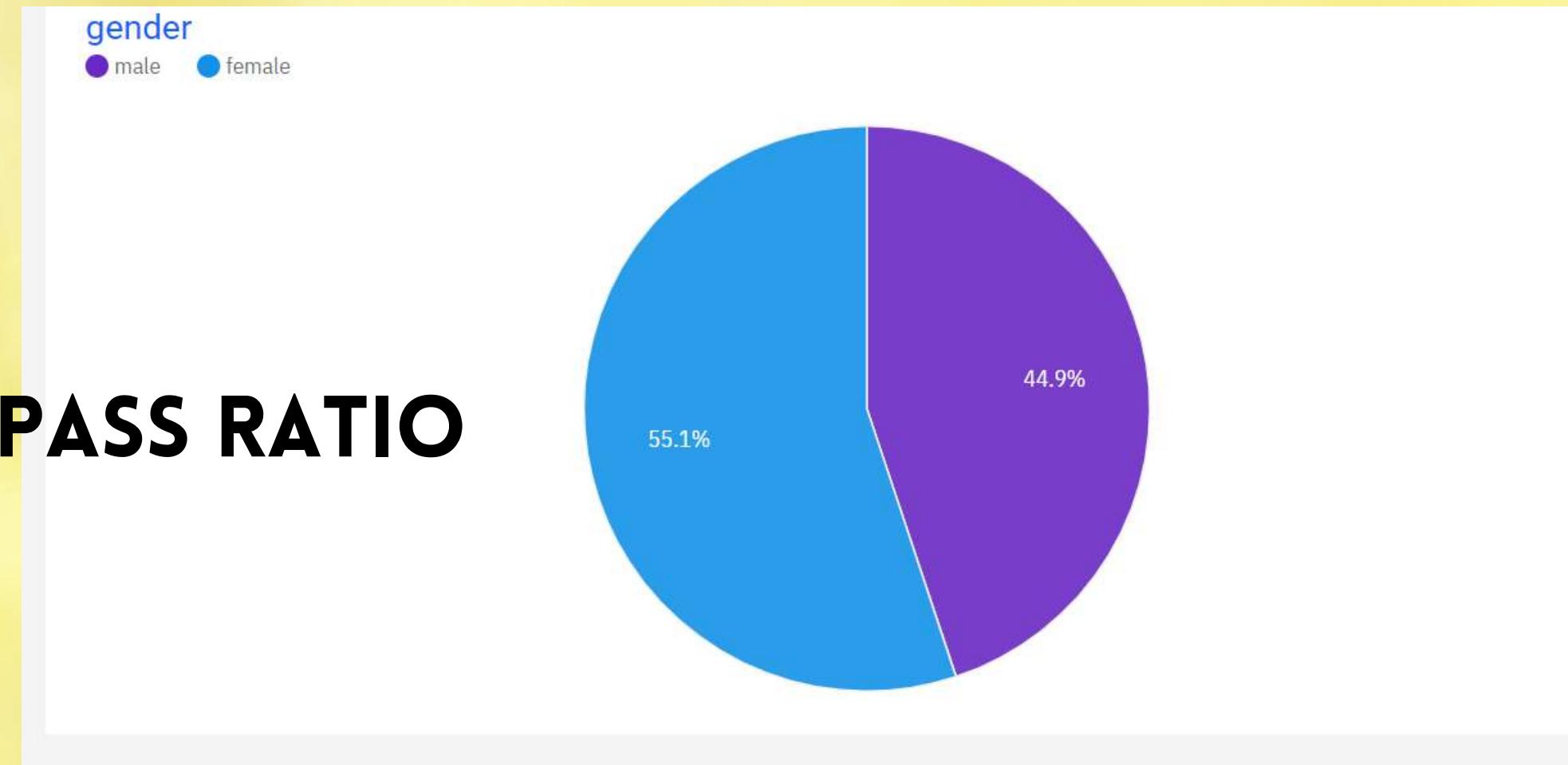
5. VISUALIZATION LINKS

DATA ANALYSIS & EXPLORATIONS



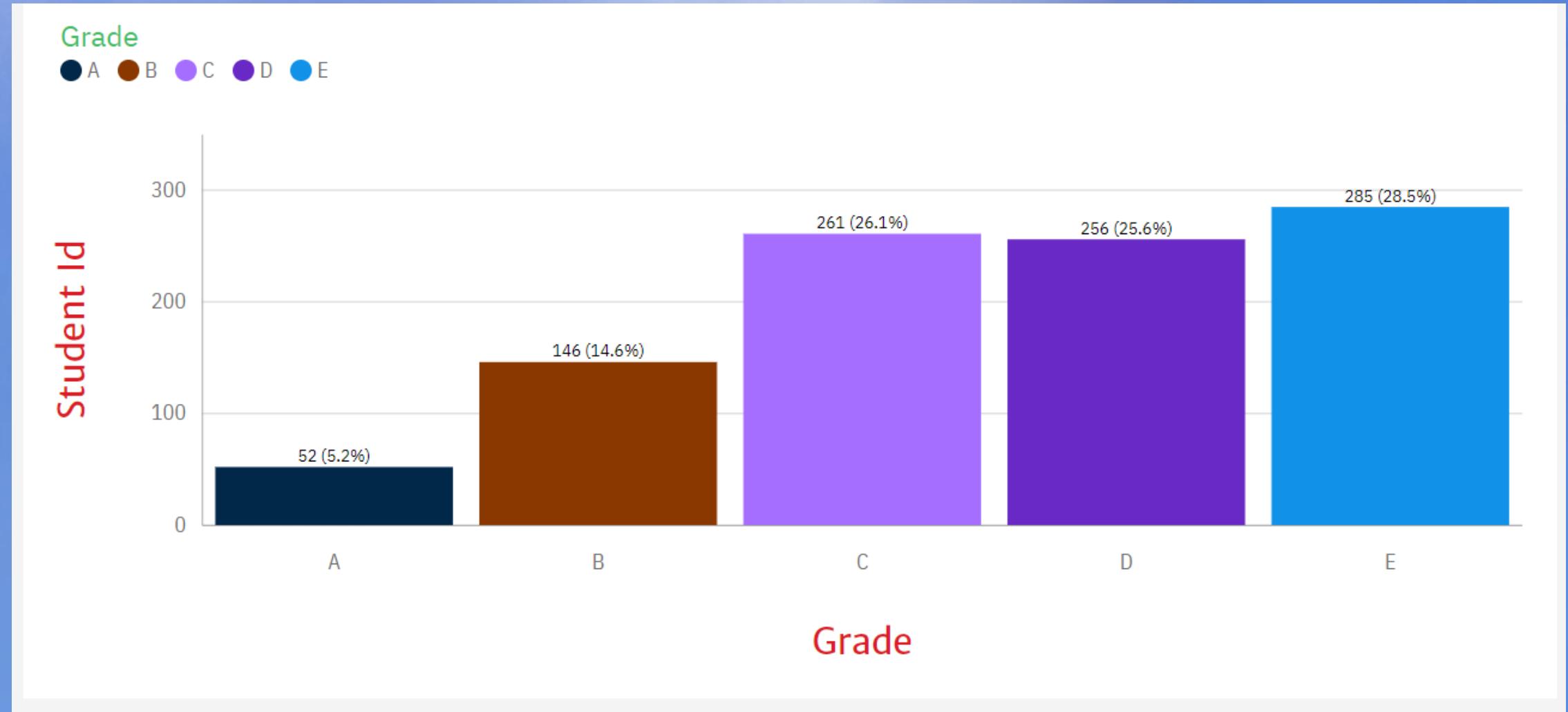
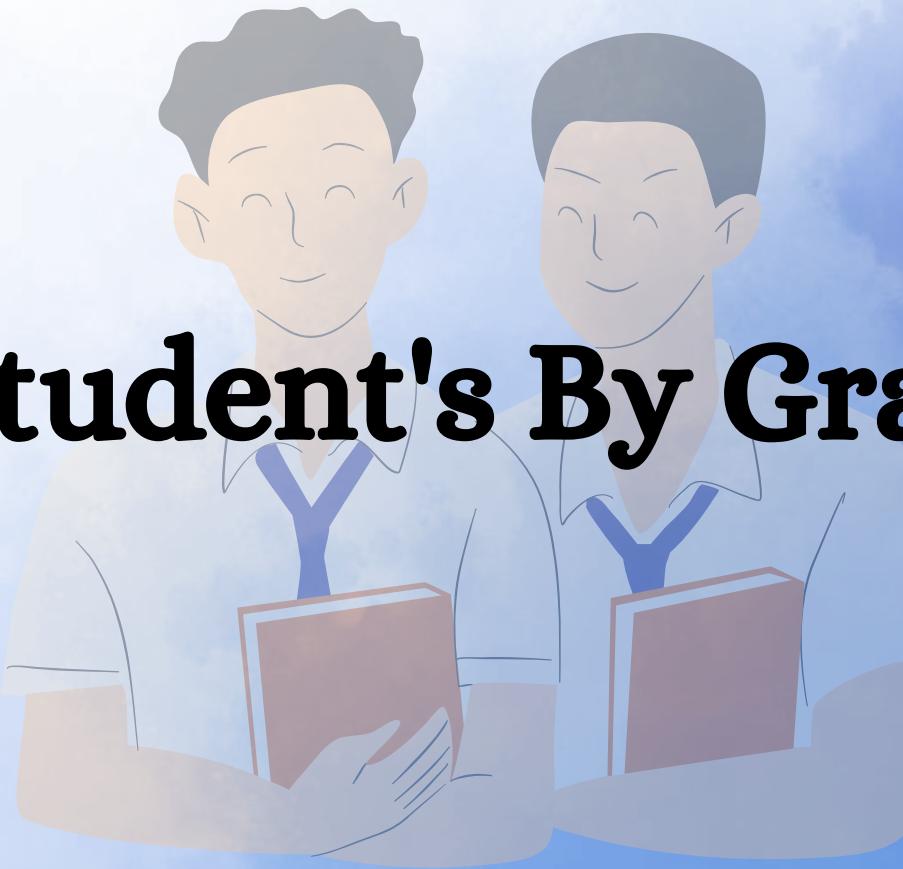
GENDER DIVERSITY & GRADES

MALE FEMALE PASS RATIO



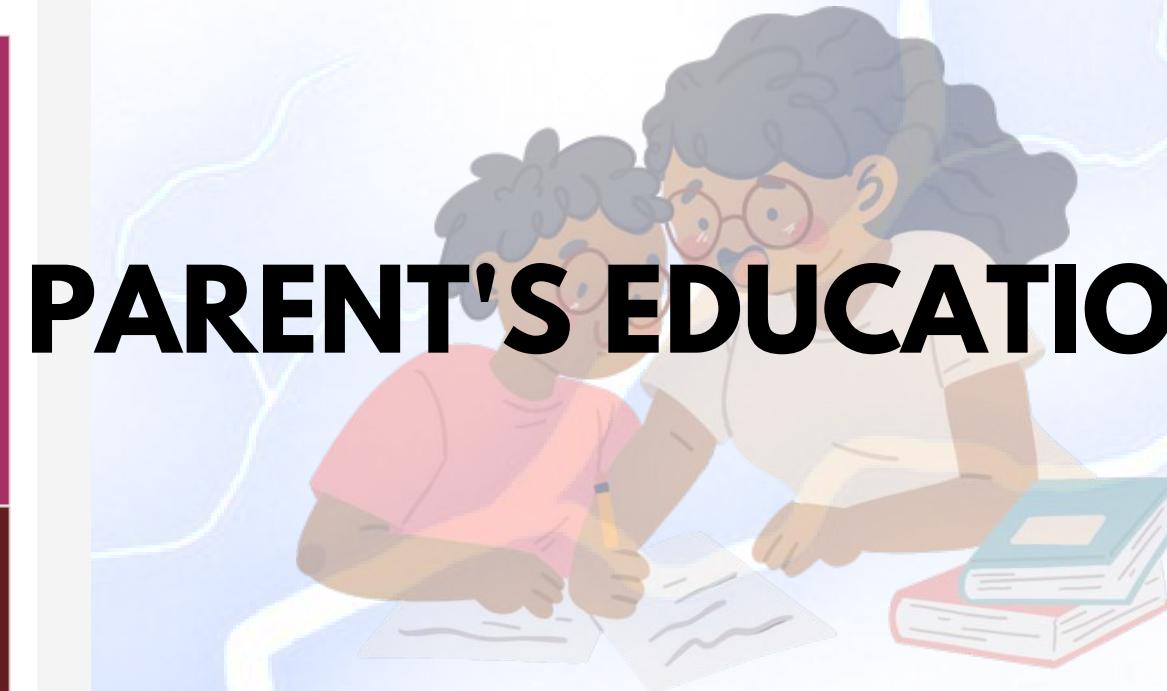
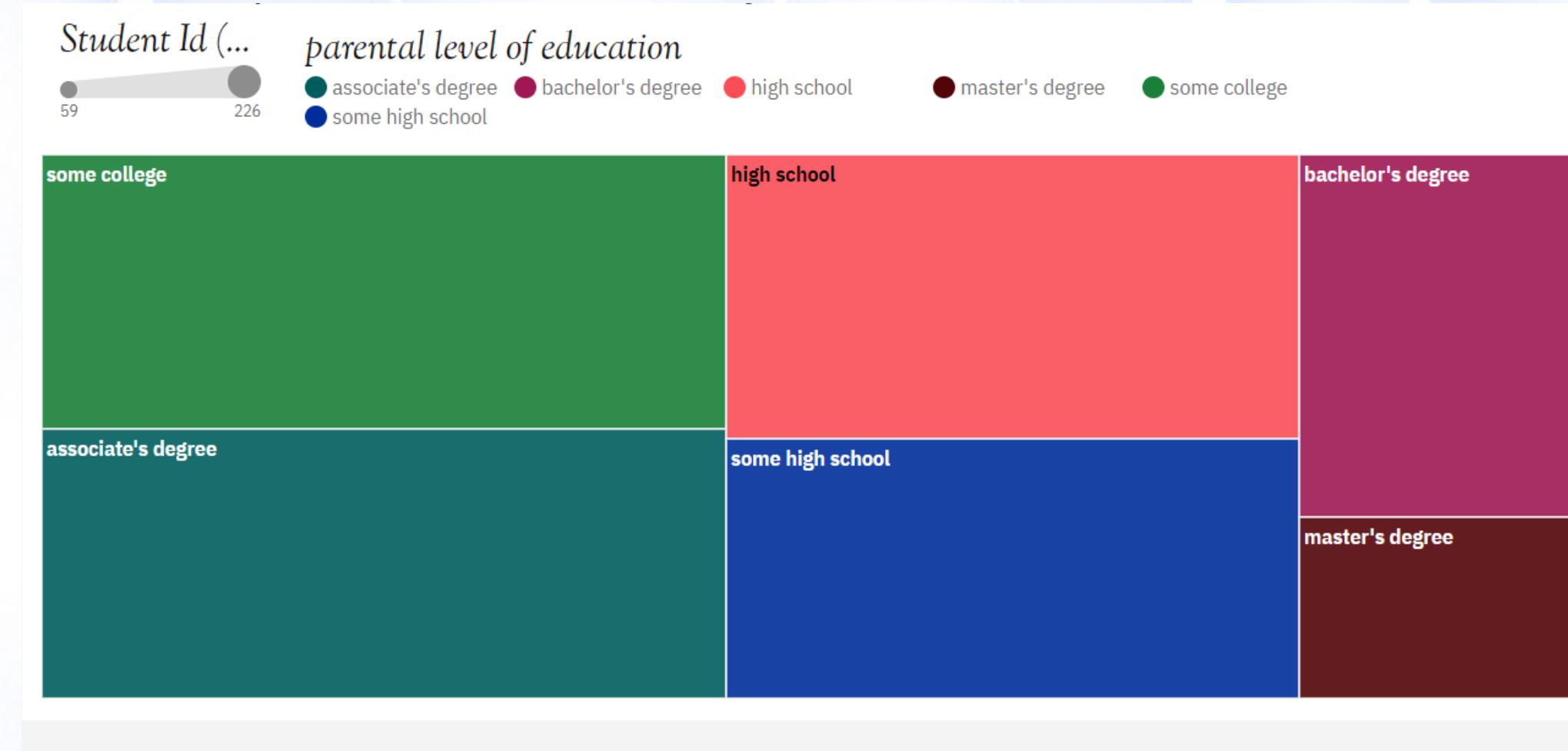
1. The total number of results for gender, across all genders is 715.
2. female is the most frequently occurring category of gender with a count of 394 items with gender values (55.1% of the total).

Student's By Grade



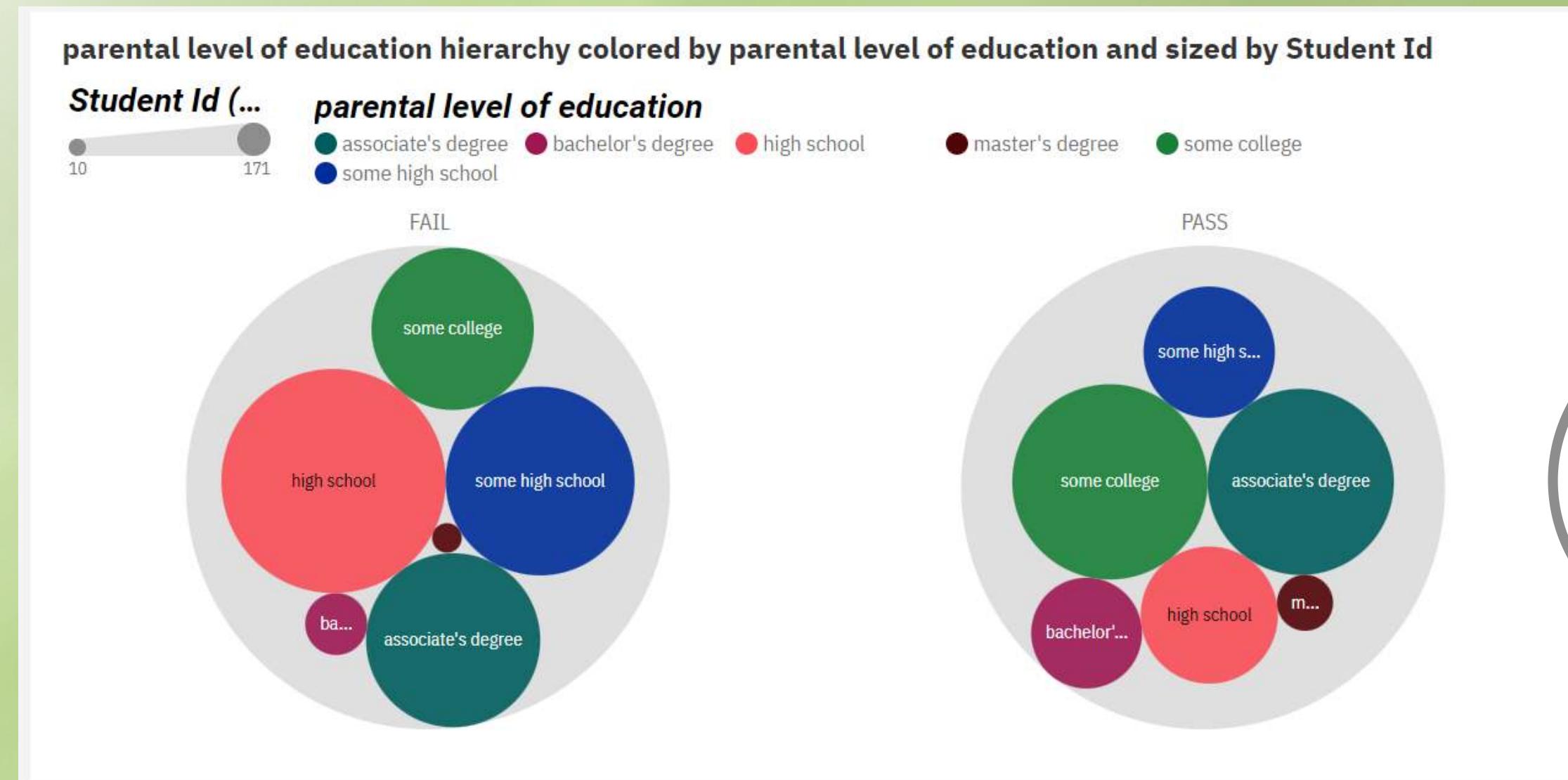
- 1 .The overall number of results for student id is a thousand.
2. E(28.5%),C(26.1%),D(25.6%), & B(14.6%) are the most frequently occurring categories of Grade with a combined count of 948 items with Student id values(94.8% of the total).

PARENT'S EDUCATION & IT'S IMPACT



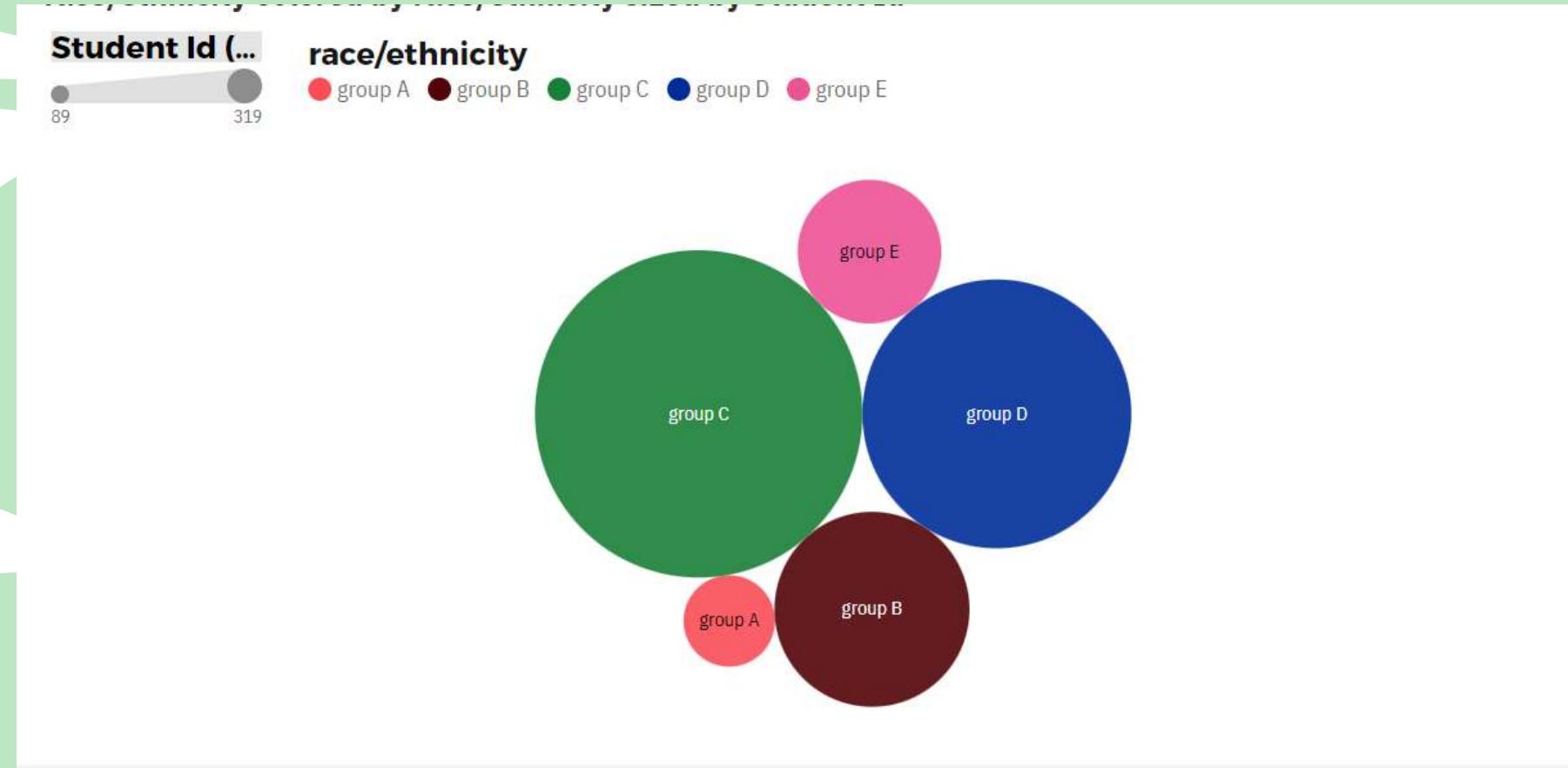
PARENT'S EDUCATION LEVEL

1. The total number of results for student id, across all parental level of education, is a thousand.
2. some college (22.6%), associate's degree(22.2%),high school(19.6%), some high school (17.9%), & bachelor's degree (11.8%) are the most frequently occurring categories of parental level of education with a combined count of 941 items with student id values(94.1% of the total).



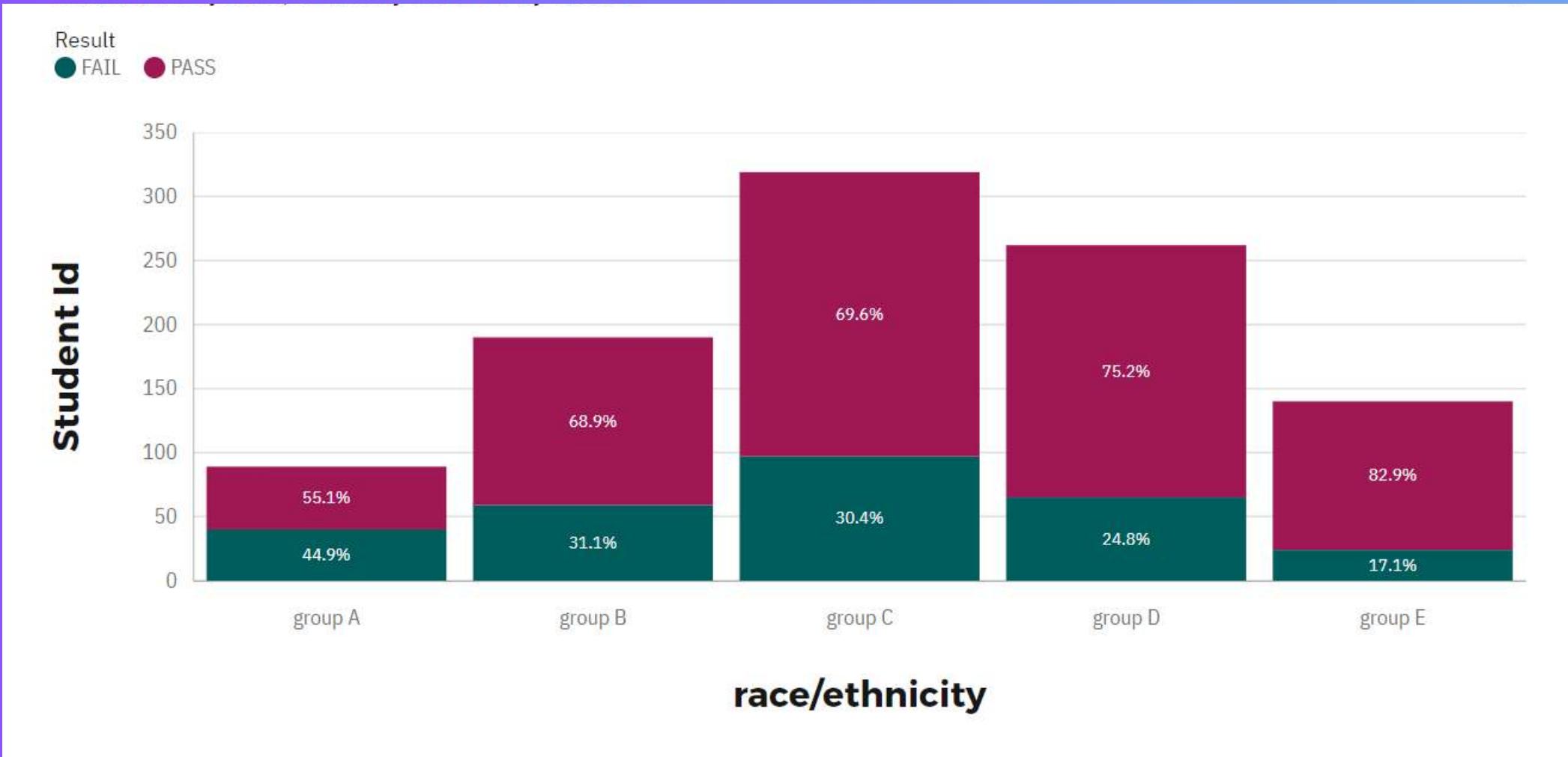
1. **PASS** is the most frequently occurring category of Result with a count of 715 items with student id values (71.5% of the total).
2. Result **PASS** has the highest Student id due to gender **FEMALE**.
3. Gender **FEMALE** has the highest Student id at 518, out of which Result **PASS** contribute the most at 394.

RACE DIVERSITY



RACE SPECIFIC DISTRIBUTION

1. Gender female has the highest student id at 518, out of which race/ethnicity group C contributed the most at 180 whereas group D is only 129.
2. race/ethnicity group C has highest student id due to gender FEMALE.

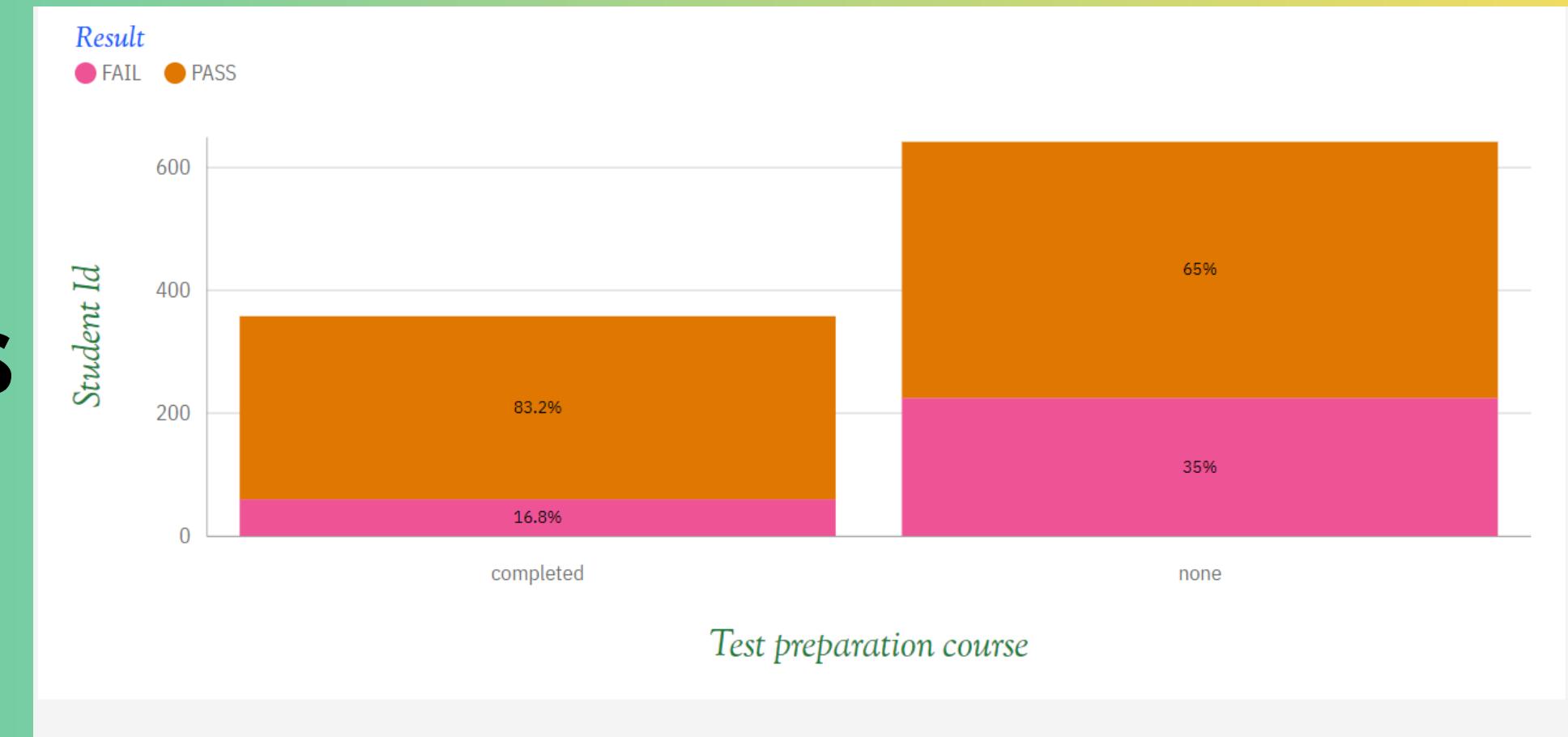


RACE WISE PASS ,FAIL

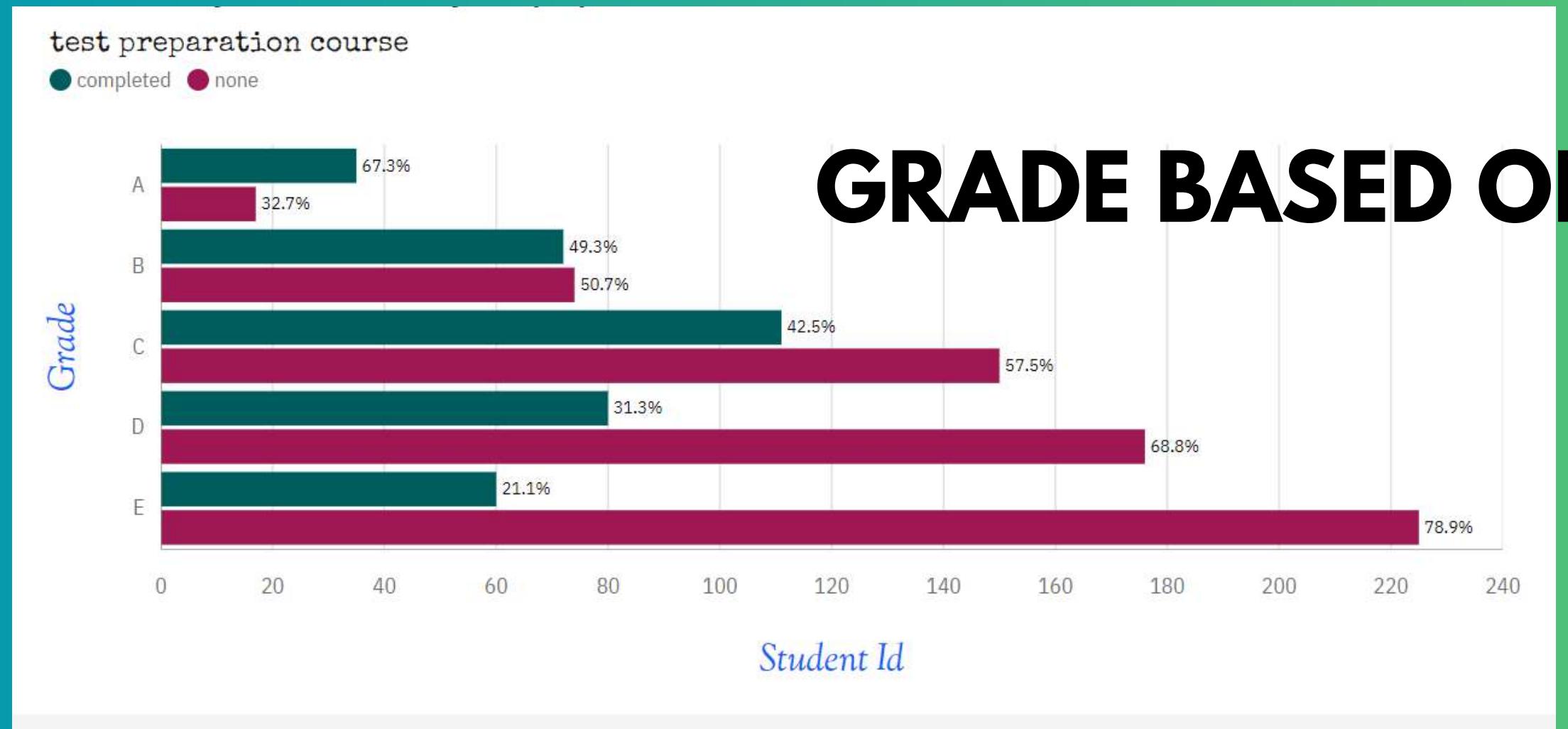
1. Gender female has the highest Student id at 518, out of which Result PASS contributed the most at 394.
2. Result PASS has the highest Student id at 715, out of which race/ethnicity group C contributed and most at 222.

TEST PREPARATION & GRADES

TEST PREPARATION EFFECTIVENESS



1. *Test Preparation Course none has the highest Student Id due to Result PASS.*
2. *Gender Female has the Highest Student Id at 518, out of which Result PASS contributed the most at 394.*
3. *Pass is the most frequently occurring category of Result with a count of 715 items with Student Id values(71.5% of the total).*



GRADE BASED ON TEST PREPARATION



1. Gender female has the highest Student Id at 518, out of which Grade C contributed the most at 150.

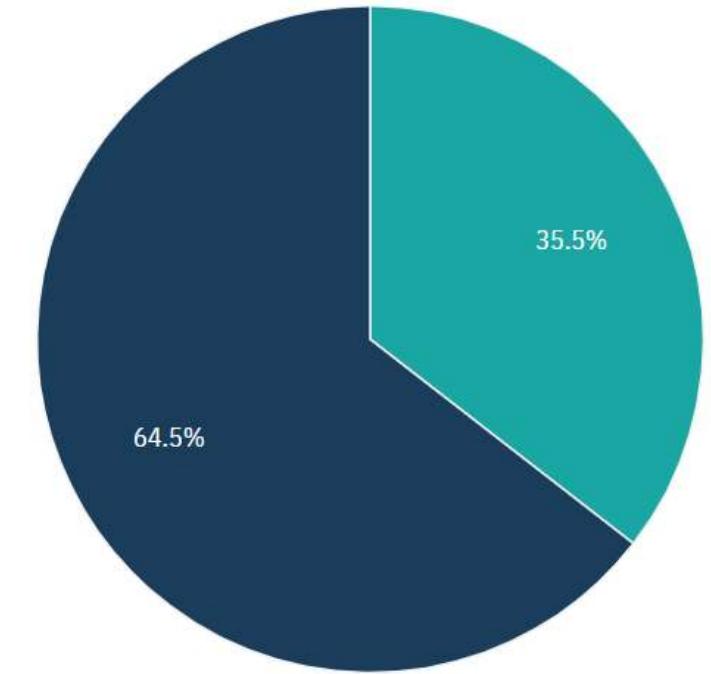
2. test preparation course none has the highest Student Id at 642, out of which Grade E contributed the most at 225.

3. Grade E Student Id from gender male is 161, whereas C is only 111.

MEAL CHART

Student Id by lunch

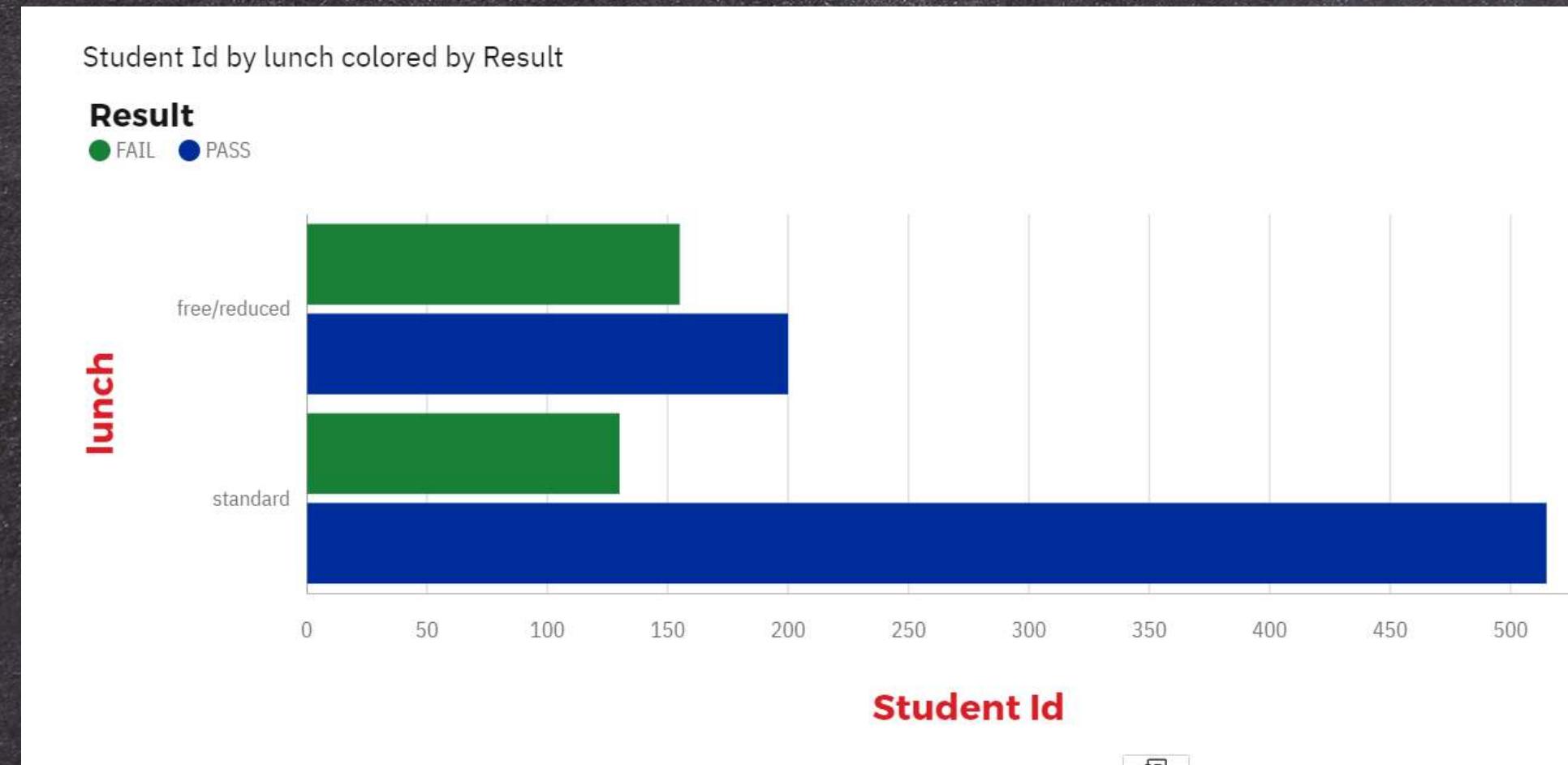
lunch
● free/reduced ● standard



1. Standard exceeds free/reduced in Student Id by 290.

2. Lunch Standard has the highest values of both Student Id and Math Score.

3. Standard is the most frequently occurring category of lunch with a count of 645 items with Student Id values (64.5% of the total).

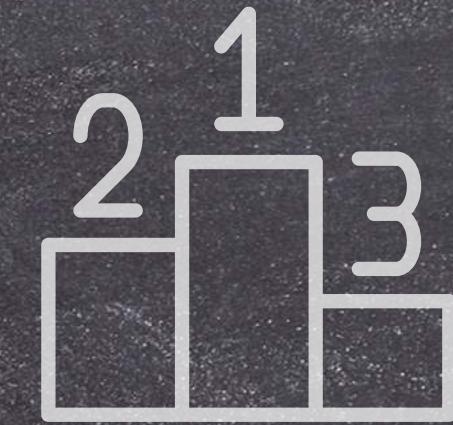


1. Lunch standard has the highest Student Id due to Result PASS & Gender Female..

2. Gender female has the highest Student id at 518, out of which Result PASS contributrd the most at 394.



TOP STUDENT'S & RANKS



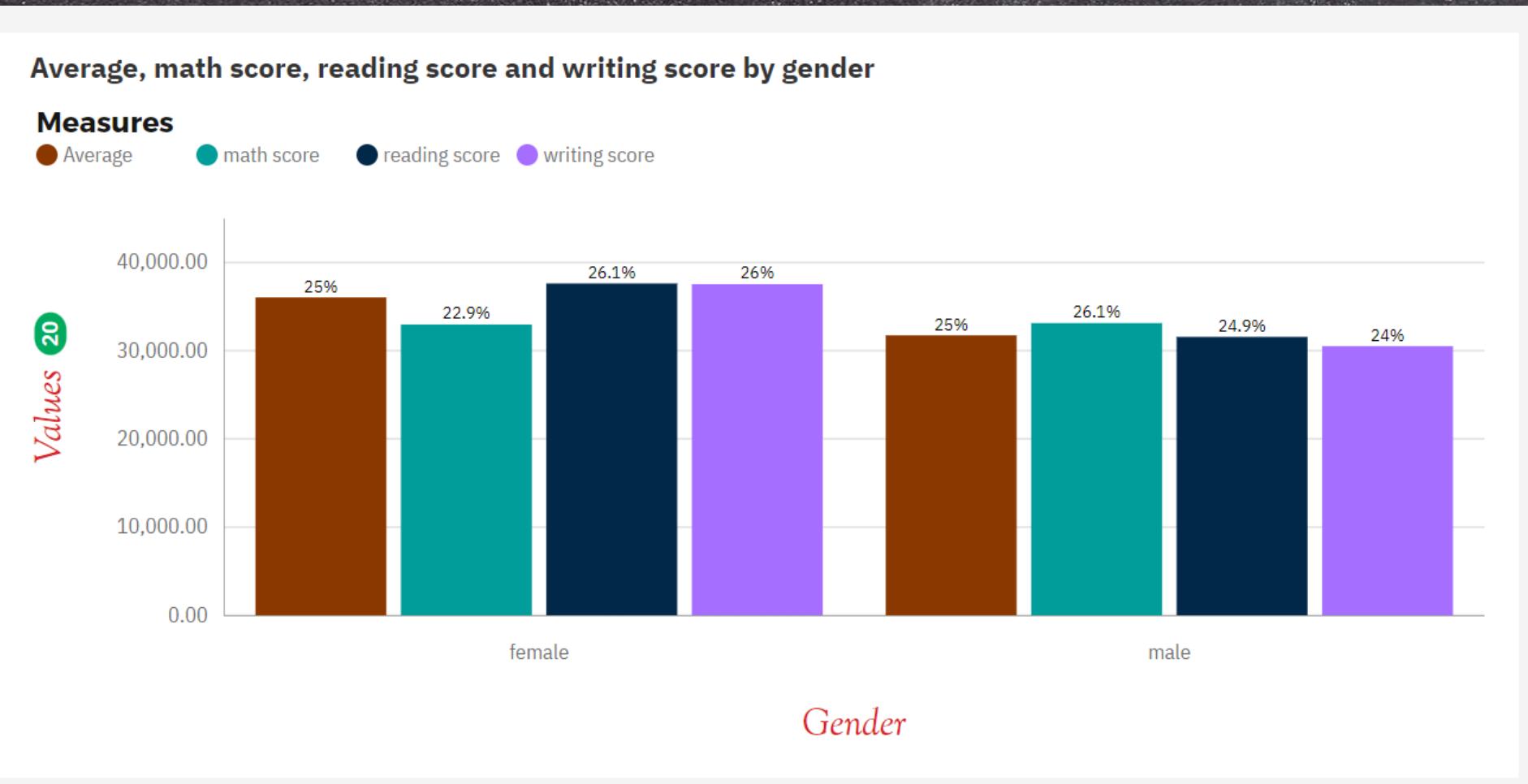
Rank (Average)	Student Id	race/ethnicity	Average ▾
1	559	group E	100.00
1	1017	group E	100.00
1	1063	group E	100.00
2	215	group E	99.67
3	280	group D	99.00
3	813	group D	99.00
4	266	group C	98.67
4	726	group D	98.67
5	250	group E	97.67
5	786	group E	97.67

5	1004	group D	97.67
6	667	group E	97.33
6	1058	group D	97.33
7	695	group C	97.00
7	818	group C	97.00
8	956	group B	96.67
9	552	group E	96.33
9	647	group A	96.33
9	1071	group D	96.33
10	987	group E	96.00

1. They are the top 10 student's Id in race/ethnicity.
2. Group E race consist's has highest number of Rank's in the Student Performance.



GENDER AVERAGE RESULT IN SUBJECT'S



- * Over all genders, the average of Writing Score is 68.05, Math Score is 66.09, Reading Score is 69.17, & Average is 67.77
- * Gender male has the Highest total math score due to race/ethnicity Group C.

*Race/ethnicity group C has the highest Math score at almost 21 thousand, out of which gender female contributed the most at over 11 thousand.

*female is the most frequently occurring category of gender with a count of 518 items with Average values(51.8% of the total).

GENDER PASS,FAIL COUNTS



*female|PASS(39.4%) & Male|PASS(32.1%) are the most frequently occurring categories of gender-Result with a combined count of 715 items with Student Id values (71.5% of the total).

*Gender female has the highest Student Id due to Result PASS.

*Result PASS has the highest values of both Student Id & Math Score.

*Result PASS has the highest Student Id at 715, out of which gender female contributed the most at 394.

RESULT

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1. In the student performance Analysis female students are higher than male.
 2. Only few of them topped in all the subjects.
 3. Female students performed better than male students.
 4. Male Students are better at Maths than female students
 5. Group E has the best overall performance rate. Group A performed Worse compared to Other groups.
 6. Parent's level of education seems to have much impact on the student's performance. the higher level of education of the parents has a better performance of their childrens. the students whose parents have master's degree did the best.
 7. The student's who completed the test prepatation course did significantly better than the ones who didn't.
 8. PASS result are high in Female Gender. The type of lunch doesn't have much impact on the student's performance.

CONCLUSION

- *Identifying subjects where students are struggling and providing additional support through tutoring or study groups can improve comprehension and performance.
- *Regular and constructive feedback on assignments and exams can help students understand their mistakes and areas that need improvement.
- *supportive parental involvement, and participation in enriching extracurricular activities can significantly enhance a student's academic outcomes and pave the way for a successful educational journey.
- *Assisting students in managing academic stress and promoting a balanced lifestyle can positively impact their overall academic performance.
- *Introducing effective study techniques like active learning, spaced repetition, and summarization can enhance retention and understanding of course materials.

LINKS

DASHBOARD

[https://us3.ca.analytics.ibm.com/bi/?
perspective=dashboard&pathRef=.my_folders%2FSTUDENT%2BANALYSIS%2BDashboards&action=view&mode=dashboard&subView=model000001897dc11d33_00000000](https://us3.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FSTUDENT%2BANALYSIS%2BDashboards&action=view&mode=dashboard&subView=model000001897dc11d33_00000000)

STORY

[https://us3.ca.analytics.ibm.com/bi/?
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REPORT

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WEB INTEGRATION

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OUR TEAM MEMBERS



N.HARISH
Leader



P.VASTHAVA



**G.PARTHA
SARADHI**



MEGANATH

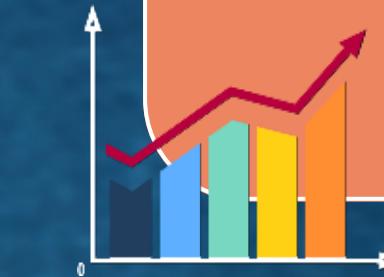


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*Thank You for this
OPPORTUNITY*