

# Analysis A

EthnicGroup	Average of MathScore	Average of ReadingScore	Average of WritingScore
group A	63	67	65
group B	64	67	66
group C	65	69	67
group D	68	71	71
group E	75	74	73

Based on analysis A we can conclude that students who are there in group E and group D has more score compare to others.

# Analysis B

ParentEduc	Average of MathScore	Average of ReadingScore	Average of WritingScore
master's degree	72	76	76
bachelor's degree	71	74	74
associate's degree	69	71	71
some college	67	69	69
high school	64	67	65
some high school	63	65	64

Based on above analysis B we can conclude if parents has good education background like bachelor's , master's and associate's degree then we can expect good score from the students.

## Analysis C

LunchType	Average of MathScore	Average of ReadingScore	Average of WritingScore
standard	71	72	72
free/reduced	59	64	63

Based on the analysis C we can conclude that students who eat standard food are getting more score compared to free/reduced type.

## Analysis D

TestPrep	Average of MathScore	Average of ReadingScore	Average of WritingScore
completed	70	74	75
none	65	67	65

Based on the analysis D we can conclude that students who are completed with test preparation got good score

## Analysis E

PracticeSport	Average of MathScore	Average of ReadingScore	Average of WritingScore
regularly	68	70	70
sometimes	66	69	68
never	65	69	67

Based on the analysis E we can conclude that students who practice sports regularly or sometimes can score better

# Analysis F

ParentMaritalStatus	Average of MathScore	Average of ReadingScore	Average of WritingScore
widowed	68	71	70
divorced	67	70	69
single	66	69	69
married	67	69	68

Based on the analysis F we can conclude that parent marital status is not affecting student score.

# Analysis G

IsFirstChild	Average of MathScore	Average of ReadingScore	Average of WritingScore
no	66	69	69
yes	67	70	69

Based on the analysis G we can conclude that student score is not depending on whether he/she is FirstChild

## Analysis H

NrSiblings	Average of MathScore	Average of ReadingScore	Average of WritingScore
6	68	69	68
1	67	69	68
2	66	69	68
4	66	69	69
5	67	70	69
3	67	70	69
0	67	70	69
7	68	71	70

Based on the above analysis H we can conclude that student score is not depending on no of siblings they have.

## Analysis I

TransportMeans	Average of MathScore	Average of ReadingScore	Average of WritingScore
school_bus	67	70	69
private	67	70	69

Based on the analysis I we can conclude that student score is not depending on transport mode.

## Analysis J

WklyStudyHours	Average of MathScore	Average of ReadingScore	Average of WritingScore
< 5	65	68	67
5 - 10	67	70	69
> 10	69	71	70

Based on the analysis J can conclude that students who study for 5 to 10 hours or more than that will score better.

**Final conclusion** : Students who belongs to group E and D has parents from master's, bachelor's and associate's background, who eats standard food with completion of test preperation, practices sports sometimes or regularly and had a habbit of studying 5 to 10 hours or more than that has good math score ,writing and reading score.