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Islamic Development Bank 4in1 Project  
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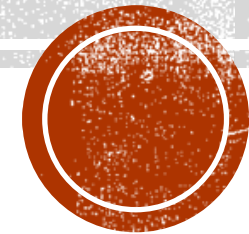
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# The Effectiveness of Online Learning Platforms on Mathematics Scores of Junior High School Students in Samarinda in COVID-19 Pandemic

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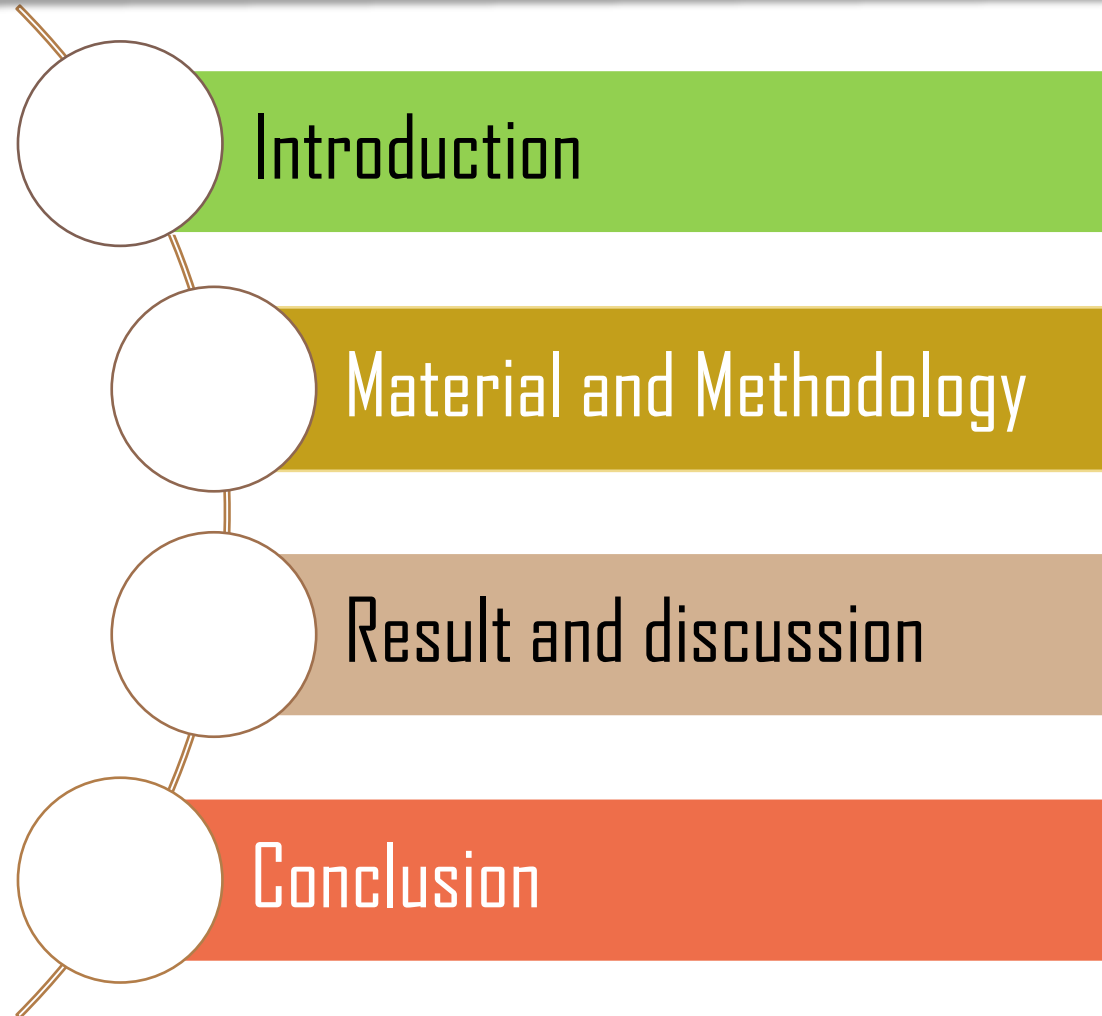
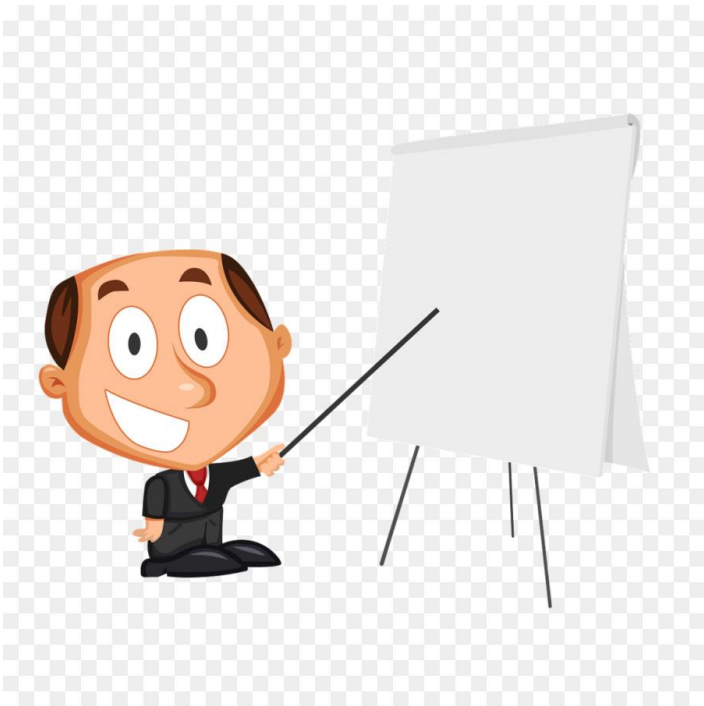
Faculty of Mathematics and Natural Sciences Mulawarman University



**October 6<sup>th</sup>, 2021**



# OUTLINE





# INTRODUCTION



The world's shared plan to end extreme poverty, reduce inequality, and protect the planet by **2030**.



There is no direct interaction between students and teachers in the classroom.

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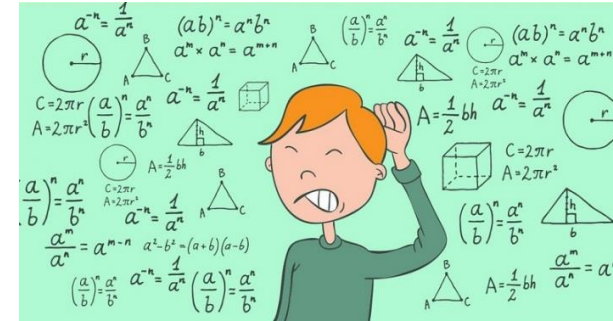
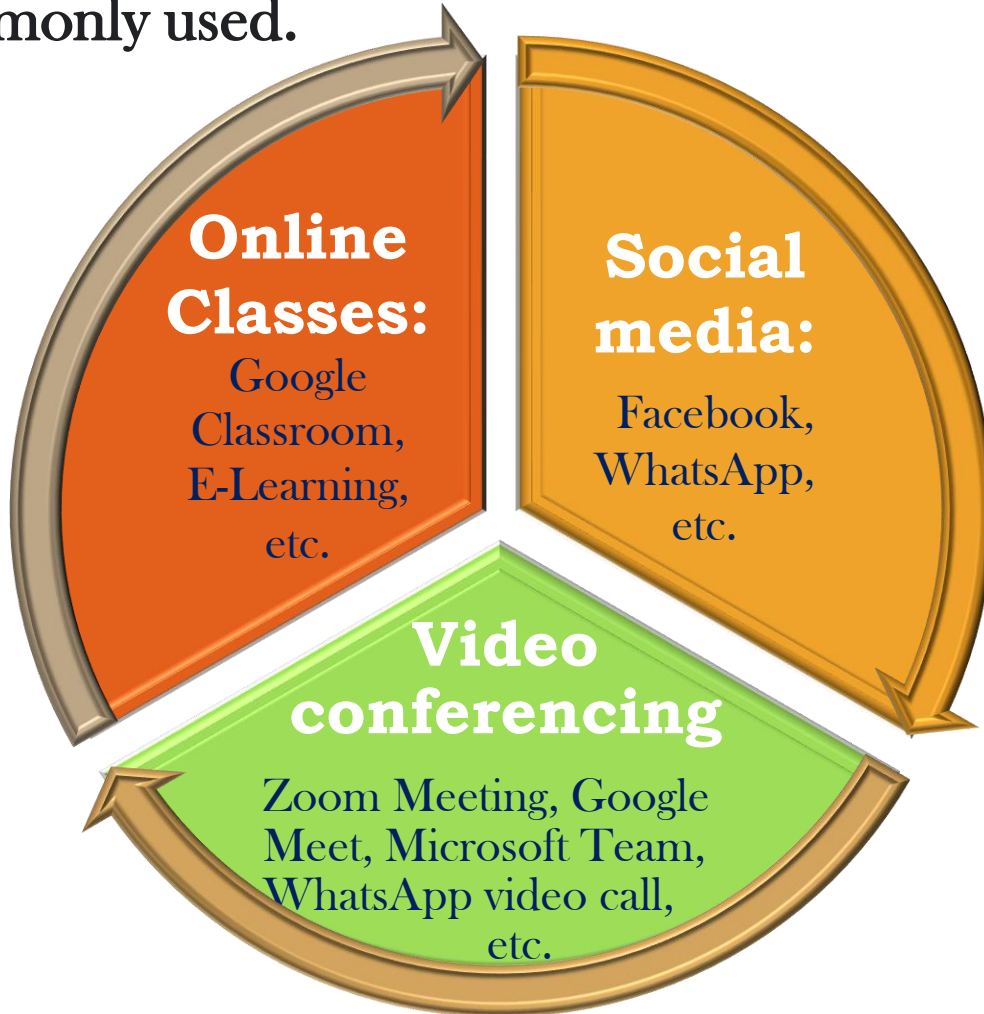


# INTRODUCTION



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Online learning platforms that are commonly used.



Mathematics is a subject that is considered difficult by many students.

The mathematics score of the report is one indicator of the success of mathematics education.



We were analyzed factors significantly affect on the mathematics score of junior high school students in Samarinda in COVID-19 pandemic.

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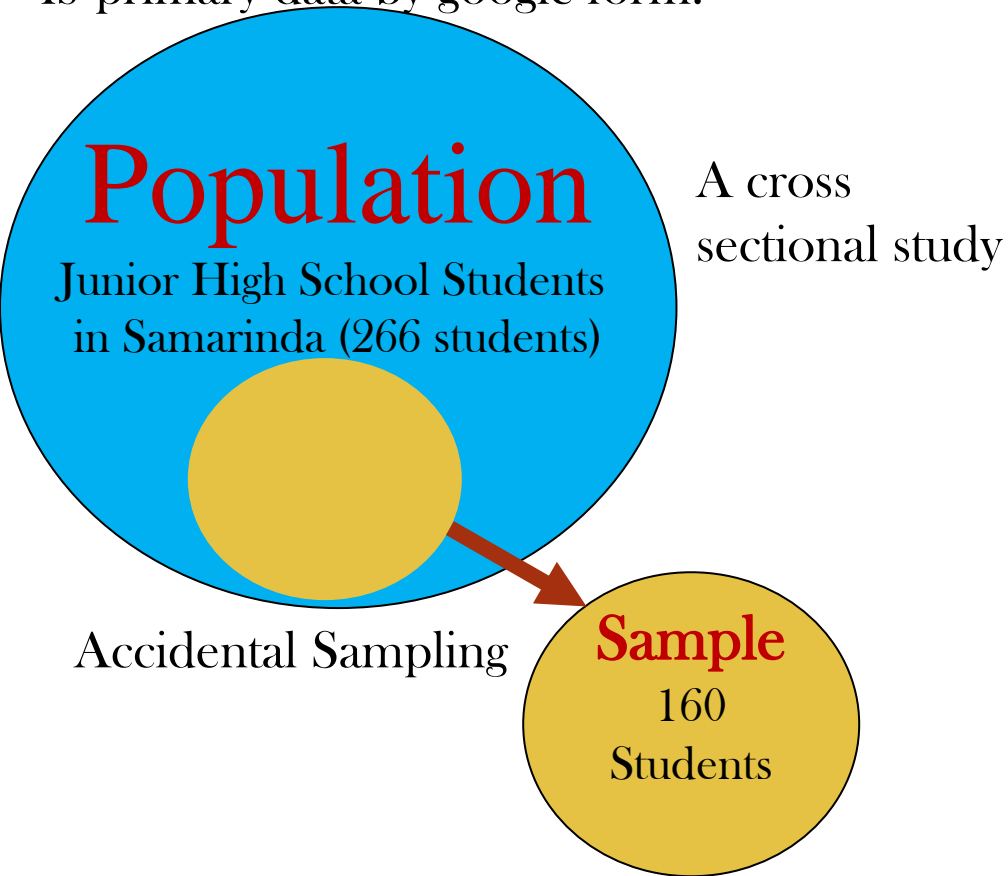
# MATERIAL AND METHODOLOGY



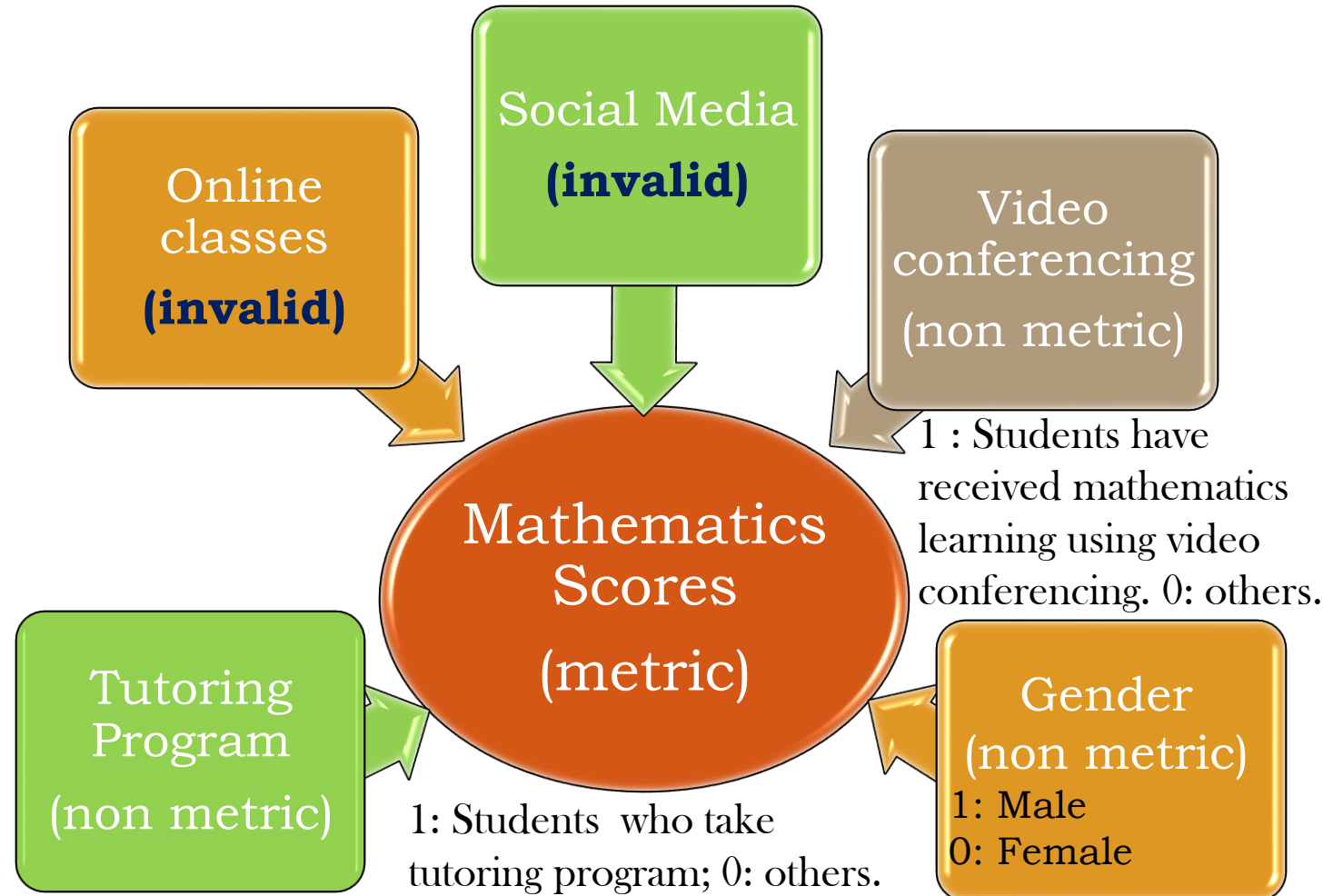
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The data used in this research is primary data by google form.

**Multiple dummy variable regression**  
To determine the factors affect of Mathematics scores



The sample size has been determined based on the Slovin's formula.





# RESULT AND DISCUSSION



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Online classes



Social Media

All junior high school students in Samarinda were received mathematics lessons using online classes and social media.

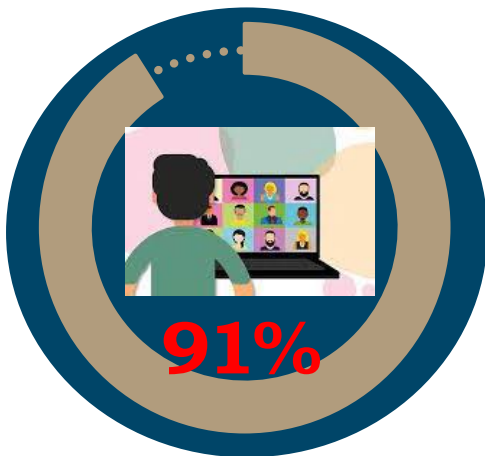


Yes



No

Tutoring program



Video conferencing

44%



boy

56%



girl

Gender

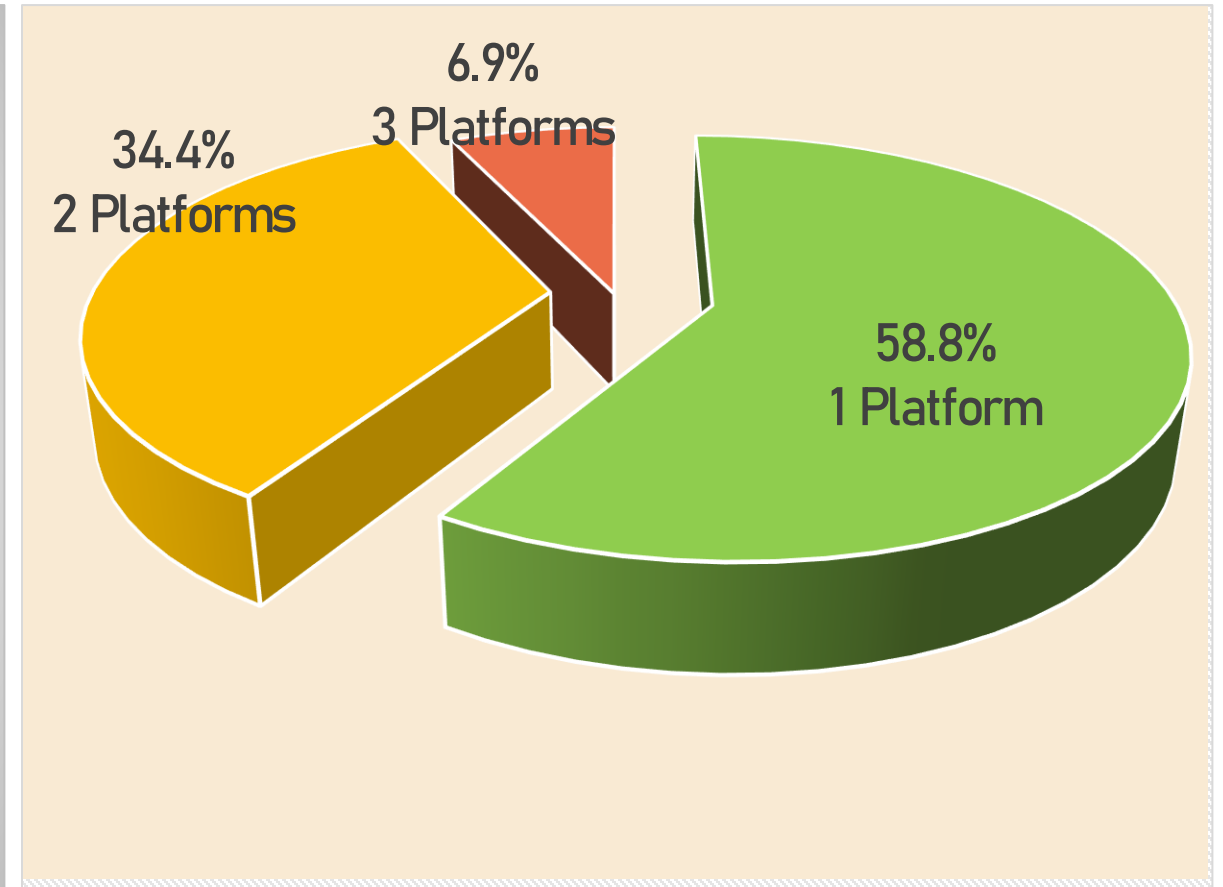
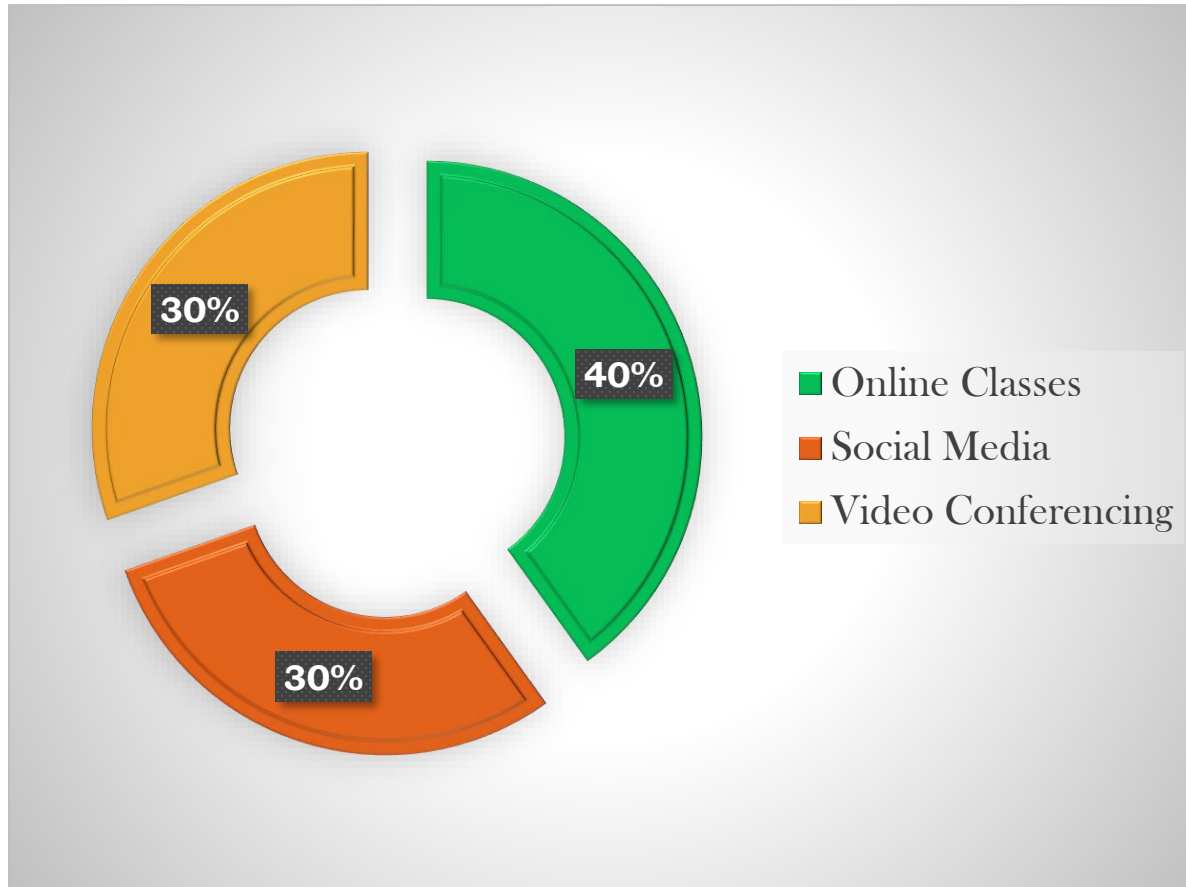
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# RESULT AND DISCUSSION



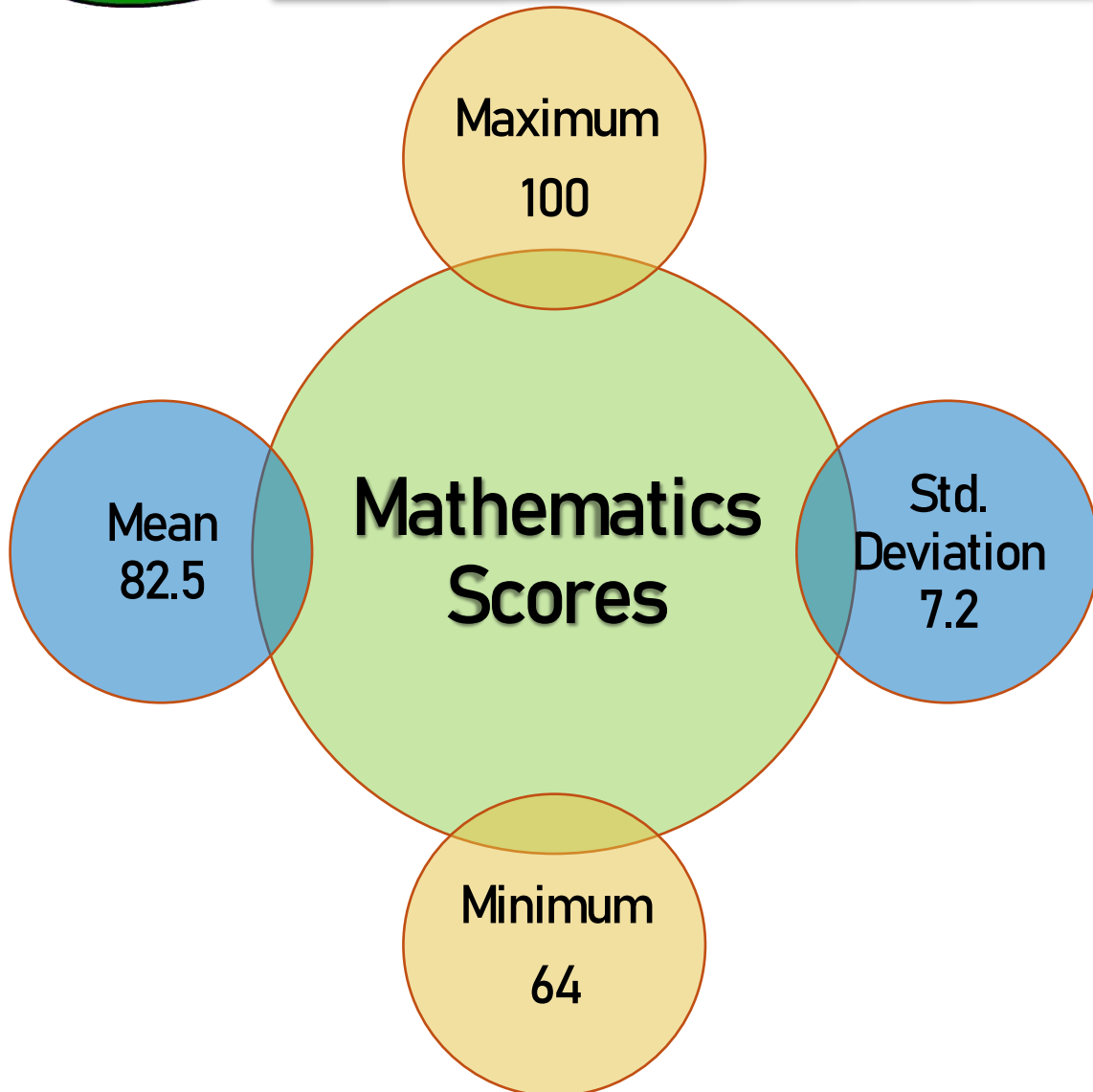
The platform that students like to understand Mathematics learning



# RESULT AND DISCUSSION



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The predictors that have a significant affect on the Mathematics score of junior high school students in Samarinda.

**Video Conferencing** : significant  
**Gender** : significant  
**Tutoring Program** : significant

The result indicated that

Students who have received mathematics learning using video conferencing have a higher score of 3.5 than others.

Male students have a higher score of 3.3 than female students.

Students who take tutoring program have a higher score of 2.7 than others.





# CONCLUSION



Online classes is the best platform that junior high school students like to understand mathematics lessons.

Gender, tutoring program, and video conferencing factors significantly affect on the mathematics scores of junior high school students.



Video conferencing is the most effective online learning platforms used in learning mathematics.

**Recommendation:**  
In learning mathematics, teachers should use video conferencing to make it easier for students to understand the learning material.



Thank You!

