



Mathematics Teaching Strategies During the Pandemic

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Research Background

- The pandemic has caused a challenge for mathematics teachers in the learning and teaching processes
- Insufficient infrastructure, e.g., lack of internet access and digital devices, is one of the main issues related to the online teaching and learning processes
- Mathematics teachers are often not ready yet for encountering this situation

Aim of this study?

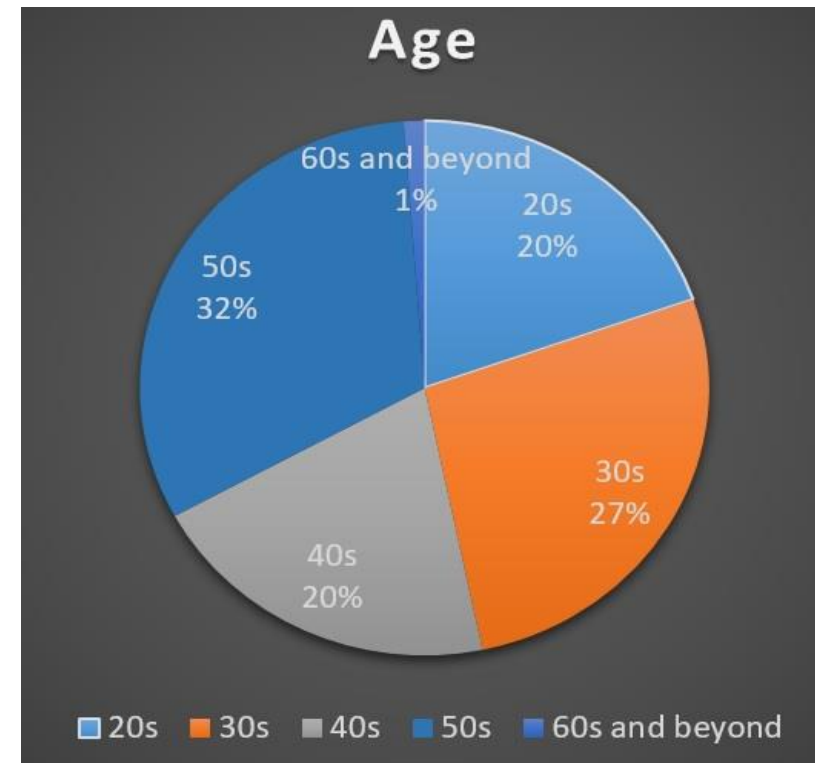
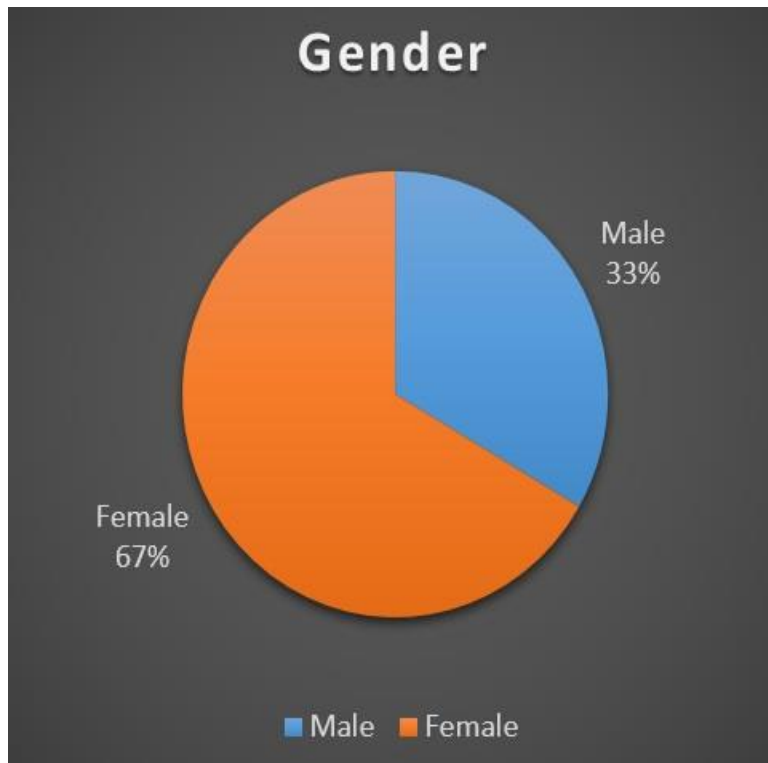
To investigate mathematics teaching strategies during the pandemic, particularly in Indonesia

Method

- An online survey study
- Respondents: 428 Junior and Senior High School Mathematics Teachers in Indonesia
- Some issues identified: Teaching strategies and challenges during the pandemic

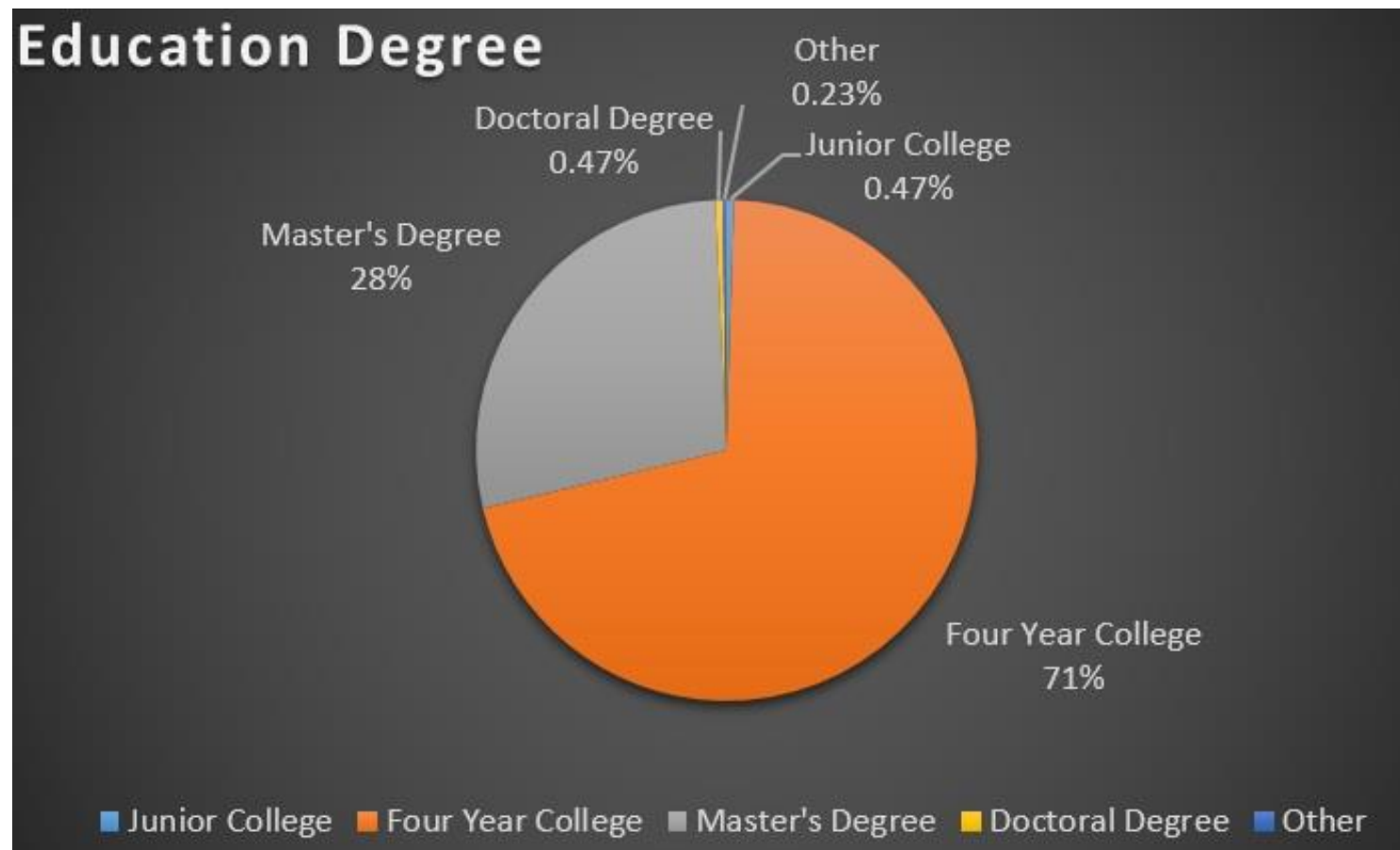
Profile of the respondents

428 respondents



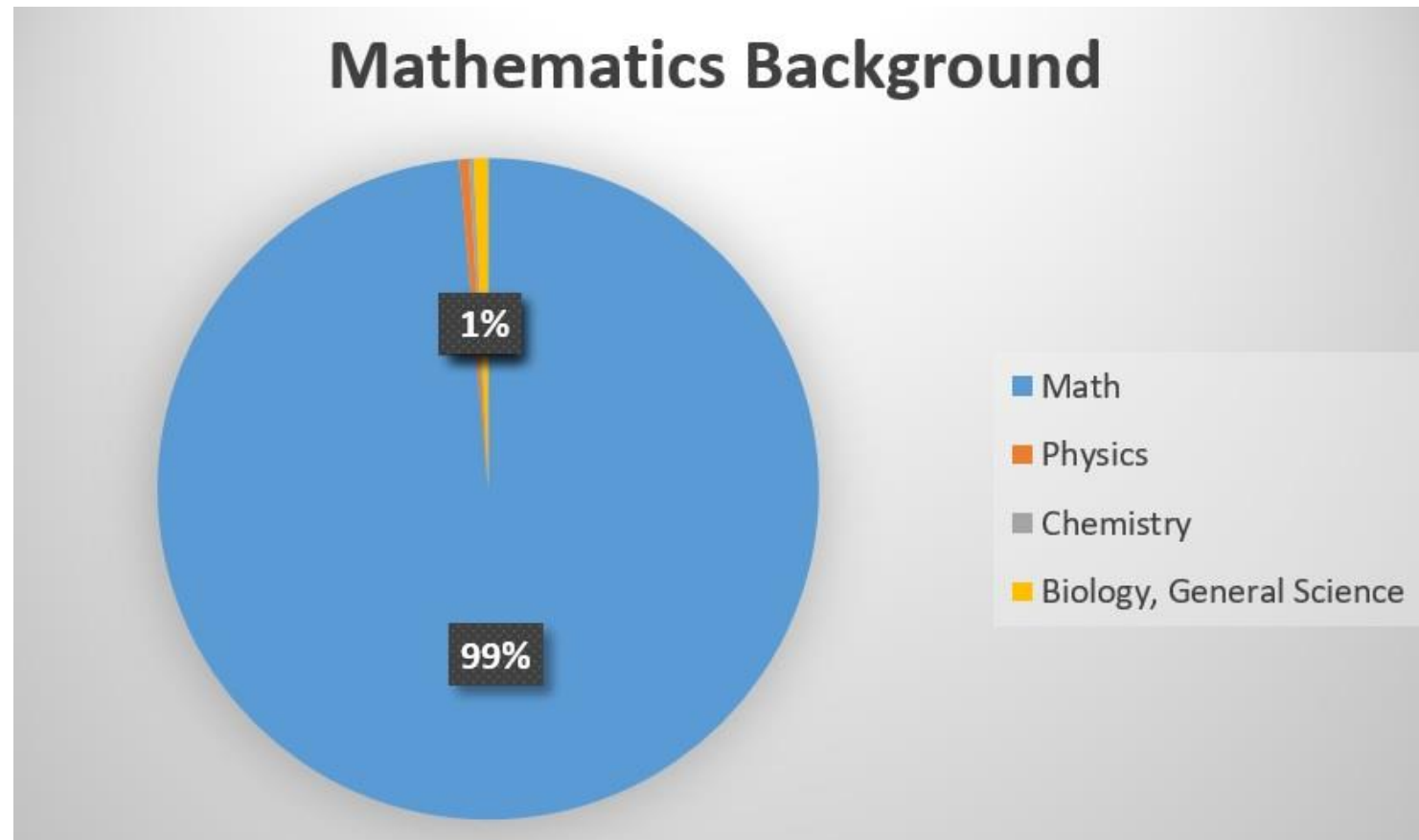
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Teaching strategies during the pandemic

Questions		Mean	SD
Q1:	I adjusted the content of my lessons by reducing the coverage of the contents	3.08	0.81
Q2:	I adjust the content of my lessons by selecting the essential concepts	3.32	0.72
Q3:	I adjust the content of my lessons by integrating it with other school subjects	2.78	0.82
Q4:	I adjust my teaching strategy	3.27	0.68
Q5:	I adjust my teaching materials	3.31	0.68
Q6:	I adjust my teaching media	3.32	0.70
Q7:	I adjust my classroom management by using LMS	2.88	0.91
Q8:	I adjust my classroom management by organizing group works	2.54	0.95
Q9:	I adjust my classroom management by providing more motivational supports and engagement	3.2	0.75

Scale: 1-4

Recommendation for further investigation

- How are the teachers reduced the content of mathematics in their teaching? What mathematical concepts are taught to students?
- How do the teachers adjust the use of technology, teaching media, and LMS, from offline to online platforms?
- What types of teaching methods do the teachers use: lecture, Q and A, Classroom Discussion, Cooperative Group Work?

Thank you for your attention