WELCOME

33
15
83
22
School
College
University
8%
time management
and effective

INTRODUCTION

KHYRUL ALAM
22-49398-3
BSc CSE

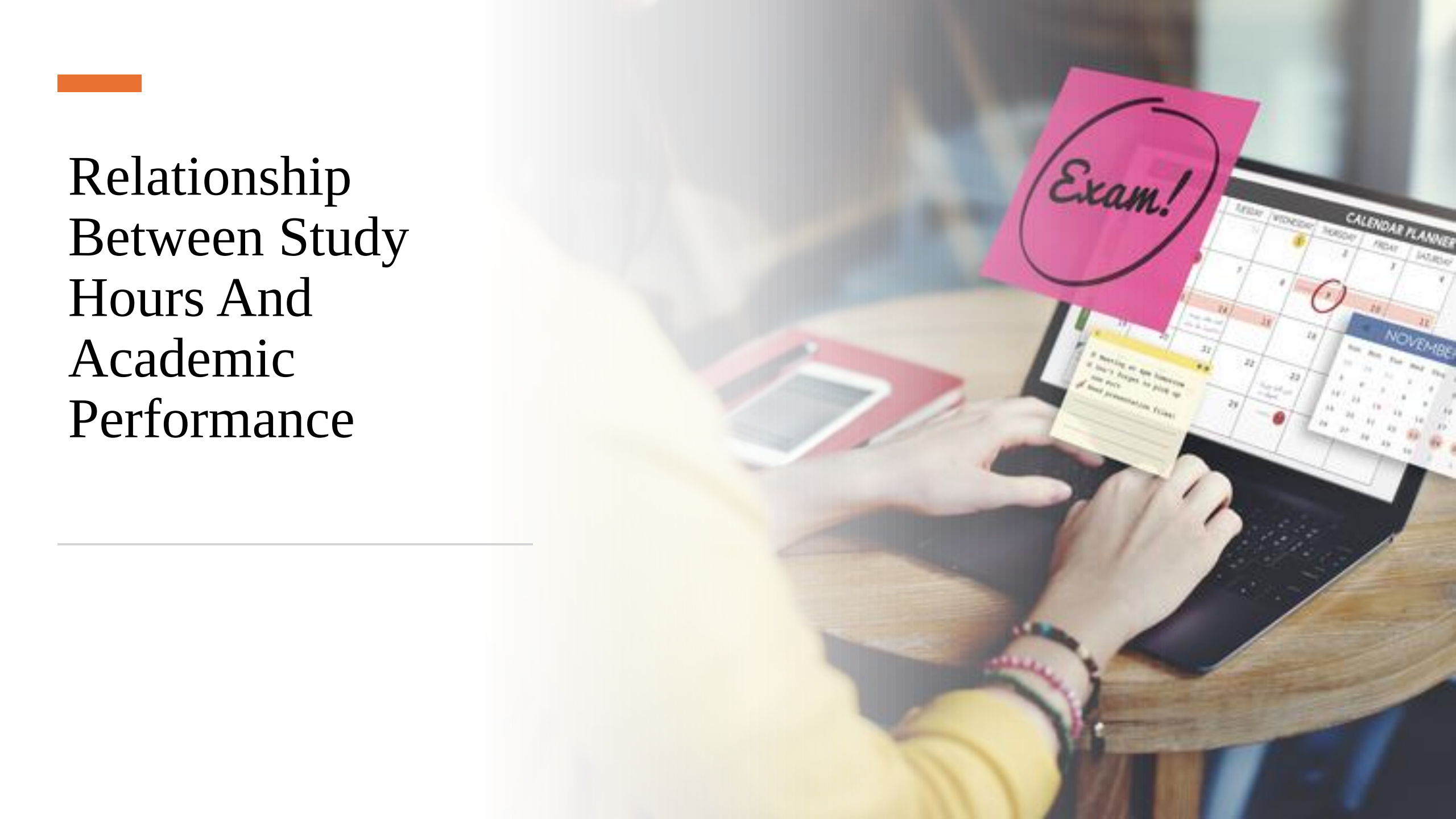
MD MUNTASSIR
23-50290-1
BSc CSE

S. S. ZOBAER AHMED
22-49415-3
BSc CSE

AFNAN BIN ISLAM
22-49350-3
BSc CSE

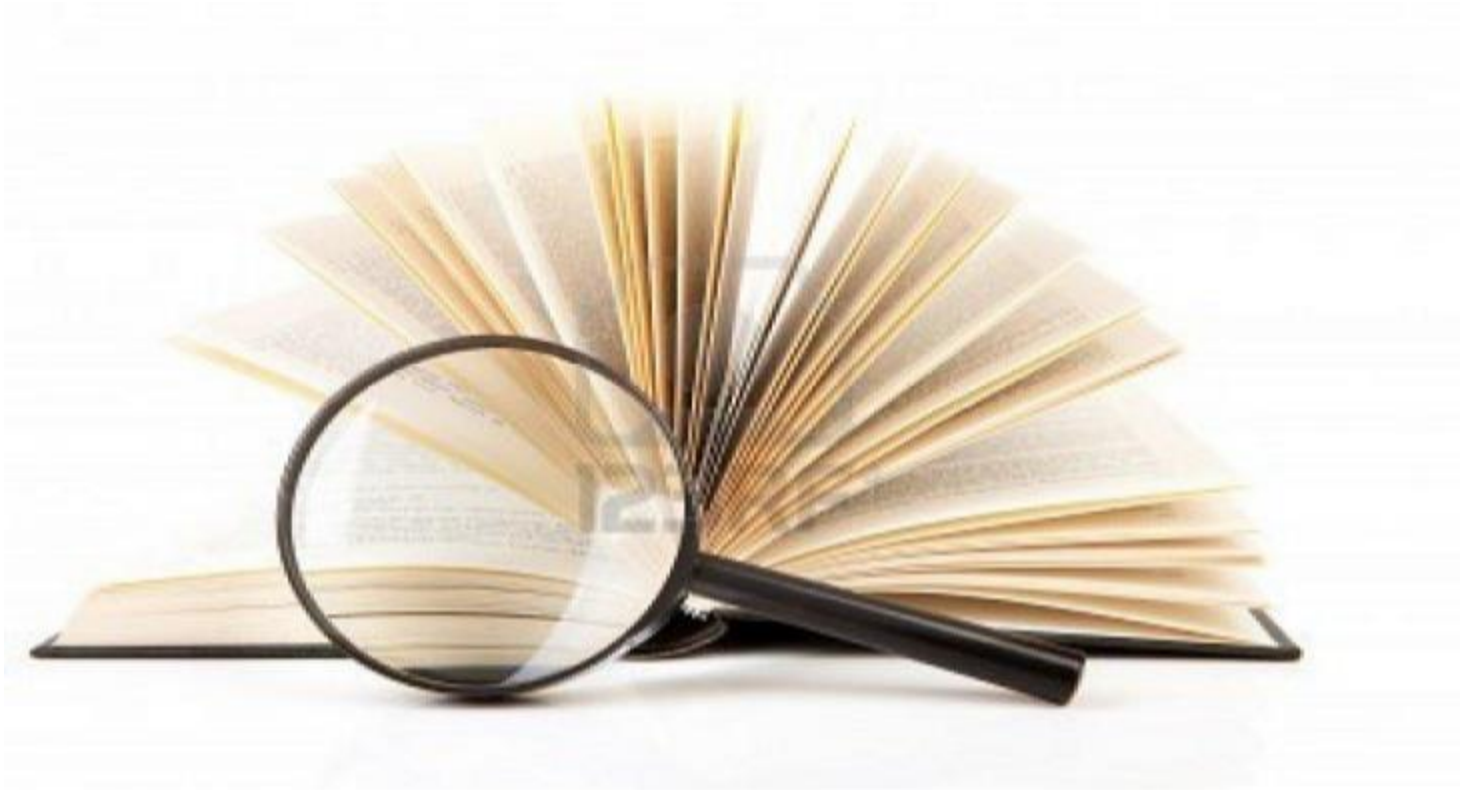
SADIQ AL ARAF
23-50890-1
BSc CSE

Relationship Between Study Hours And Academic Performance



Key Studies on Study Habits and Academic Performance:

- Karweit (1983)
- Arum and Roksa (2011)
- Schuman et al. (1985)
- Plant et al. (2005)
- Hulleman et al. (2010)



METHODOLOGY

SURVEY DESIGN

SAMPLE POPULATION

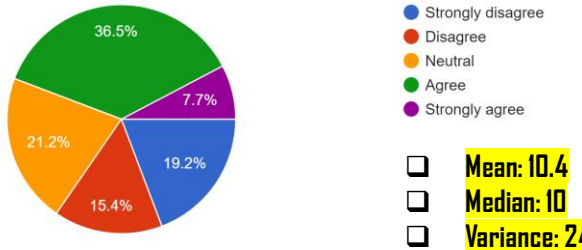
INSTRUMENT

DATA COLLECTION

FORMAT

I regularly set aside specific times each week for studying.

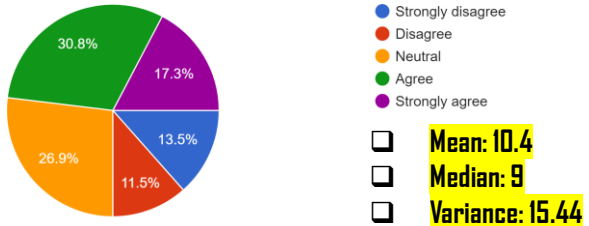
52 responses



- Mean: 10.4
- Median: 10
- Variance: 24.24
- S.D. : 4.92

I use effective study techniques (e.g., summarizing, self-testing) to enhance my learning.

52 responses



- Mean: 10.4
- Median: 9
- Variance: 15.44
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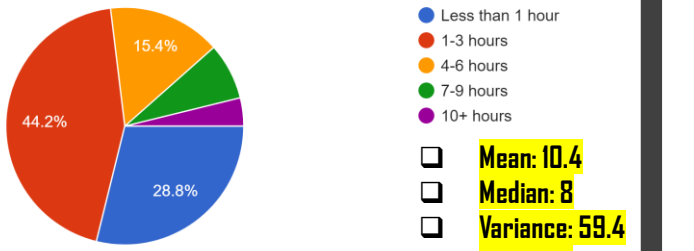
On average, how many hours per week do you study for each subject?

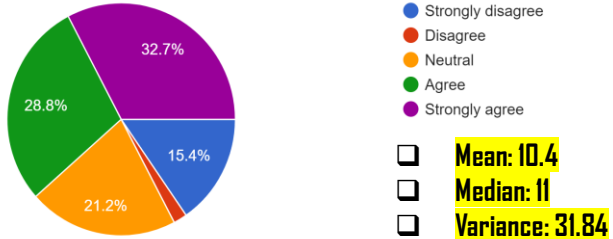
52 responses



- Mean: 10.4
- Median: 8
- Variance: 59.4
- S.D. : 7.71

I am easily distracted by social media or other digital devices while studying.

52 responses



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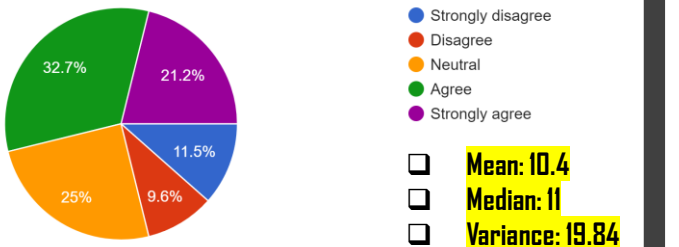
I am motivated to study regularly because I have clear academic goals.

52 responses



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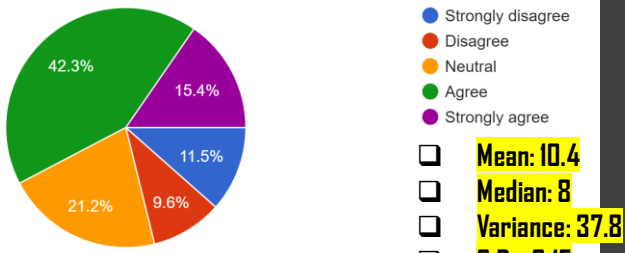
I feel that the amount of time I spend studying positively impacts my grades.

52 responses



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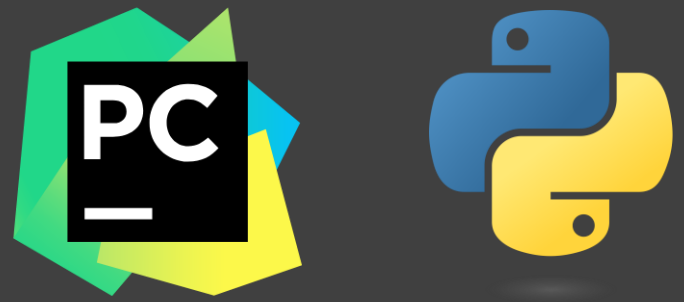
TOOLS & LANGUAGE



FINDINGS

WHAT'S WE ACTUALLY FIND?

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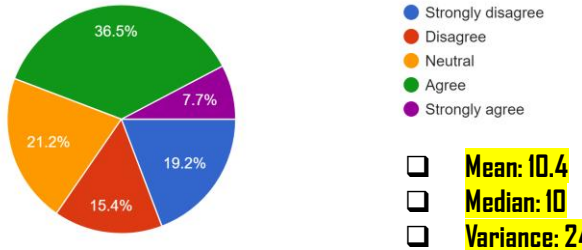
52 responses



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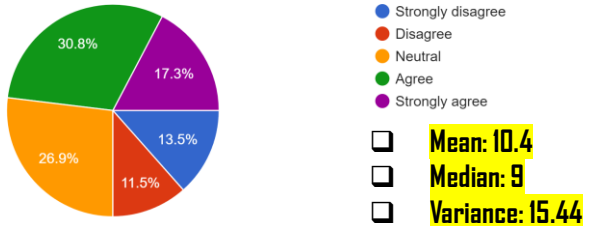

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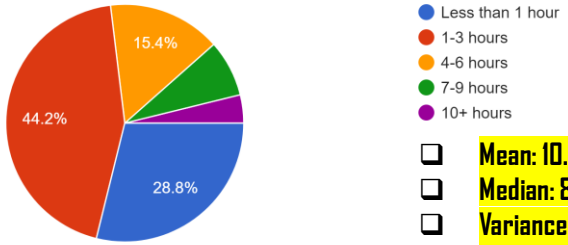

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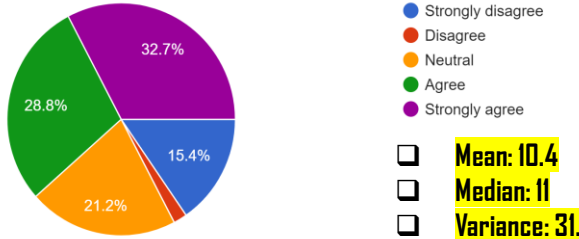

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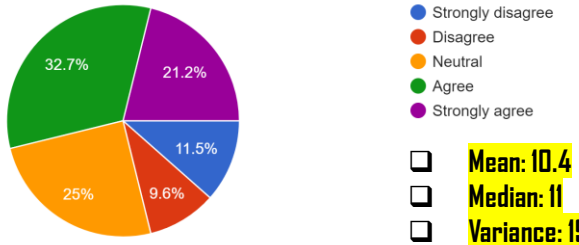

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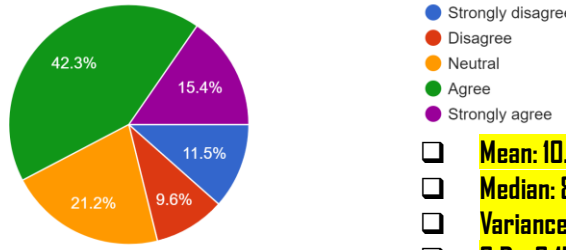

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THE ALGORITHM

main.py

```python
def calculate_mean(data):  1 usage
    return sum(data) / len(data)

def calculate_median(data):  1 usage
    sorted_data = sorted(data)
    n = len(sorted_data)
    if n % 2 == 1:
        return sorted_data[n // 2]
    else:
        return (sorted_data[n // 2 - 1] + sorted_data[n // 2]) / 2

def calculate_variance(data, mean_value):  1 usage
    return sum((x - mean_value) ** 2 for x in data) / len(data)

def calculate_standard_deviation(variance_value):  1 usage
    return variance_value ** 0.5

# Given dataset
data = [8, 6, 16, 18, 4]
```

FINDINGS

WHAT'S WE ACTUALLY FIND?

Discussions

- INTERPRETATION
- IMPLICATIONS
- LIMITATIONS
- RECOMMENDATIONS

CONCLUSION

QnA