$B^3 = CD + DA$
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MATHEMATHICS IN THE MODERN WORLD

Hans Miguel S. Ubana
Don Lean B. Sanchez
BSIT-1

$x_2^4 + x_3^2 = (x_2 + x_3)$

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NATURE OF DATA

01

Measured, collected and reported, and analyzed, whereupon it can be visualized using graphs or images.

GRAPH

02

Diagram showing the relation between variable quantities, typically of two variables,

EXPLANATION

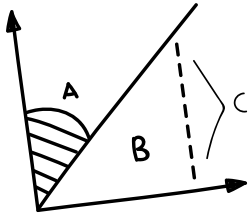
03

Statements that makes something clear

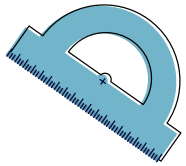
CONCLUSION

04

Finish of an process

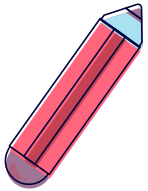


01



$(-3\sqrt{2}) - 4(3)(-3M+2)$

QUANTITATIVE DATA



Nature of Data

$\frac{3 \sin 4/8}{\sqrt{3.2.4+2}}$

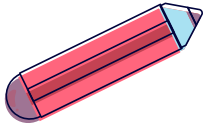
WHAT DATA DID YOU GATHERED?

$$C = \frac{B^3 + C^2 + A}{3BA}$$

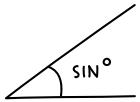
$$= \frac{C^3 + 5CA}{2CA}$$

$$= C^4 + 2 + D$$

$$= 3C4$$

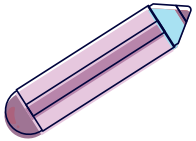


How many hours you use Social Media Platforms in a day?



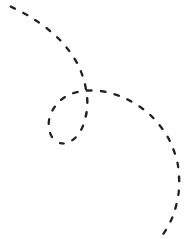
Progress:

WHY DID YOU GATHER SUCH DATA; WHAT DO YOU WANT TO KNOW?



$$B^3 = CD + DA$$
$$B^3 = (D - C \sin B)$$
$$B^3 = D^2 - 3A \cos B^3 + A \sin B$$
$$B^3 = D^2 - 4A \cos B^3 + C \sin B$$
$$B^3 = C^3 - A^2 - 3 \cos B$$

Since we are also a part of using Social Media Platforms we got curious in how many hours does people use different Social Media Platforms in a Day. Especially we are on a Pandemic which is our life is active in using technology.



Progress:

$C = \sin^2\left(\frac{2}{3}\right)$

$= \sin^3 \times 0.747$

$-7{,}38$

$A^3 C^2 4^B = 9^3 + 5^B + 7^C$

$5^C = 54718{,}32.$

02-03

GRAPH & EXPLANATION

diagram showing the relation between variable quantities, typically of two variables,

UNGROUPED FREQUENCY DISTRIBUTION TABLE

Usage	Frequency	%
12hrs	2	8.00%
11hrs	2	8.00%
10hrs	3	12.00%
9hrs	3	12.00%
8hrs	3	12.00%
7hrs	4	16.00%
6hrs	2	8.00%
5hrs	3	12.00%
2hrs	2	8.00%
1hr	1	4.00%
	25	100.00%

TABLE 1.1 UNGROUPED FREQUENCY DISTRIBUTION OF MALE

Usage	Frequency	%
11hrs	1	4.00%
10hrs	2	8.00%
9hrs	3	12.00%
8hrs	5	20.00%
7hrs	4	16.00%
6hrs	1	4.00%
5hrs	4	16.00%
4hrs	1	4.00%
3hrs	2	8.00%
2hrs	1	4.00%
1hr	1	4.00%
	25	100.00%

TABLE 1.2 UNGROUPED FREQUENCY DISTRIBUTION OF FEMALE

Progress:

PIE CHART

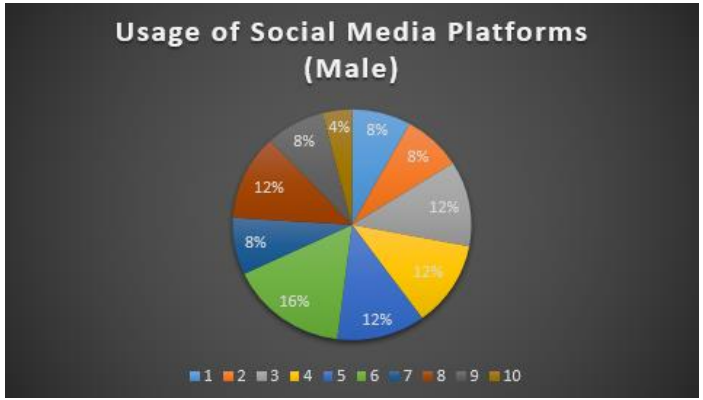


FIGURE 1.1 USAGE OF SOCIAL MEDIA PLATFORMS OF MALE

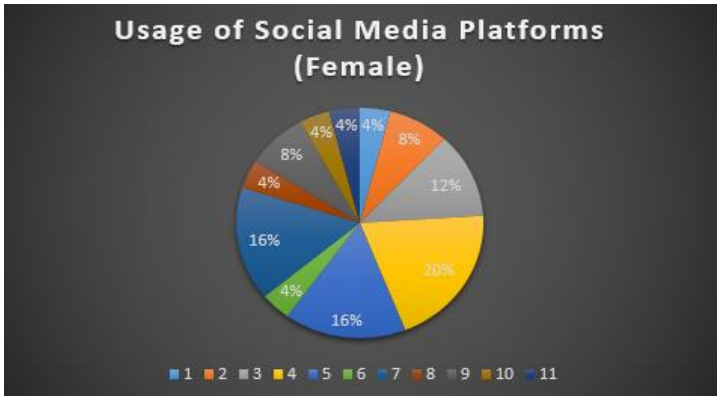


FIGURE 1.2 USAGE OF SOCIAL MEDIA PLATFORMS OF FEMALE

For Male the Highest used of Social Media is 7hrs and the Lowest is 1hr, for Female the Highest used of Social Media is 8hrs and Lowest is 1hr. And for both Male and Female 7-8hrs is the average use of Social Media Platforms age 18-27yrs old which averages 30-40%.

Progress:

Excel Output 2 - Excel

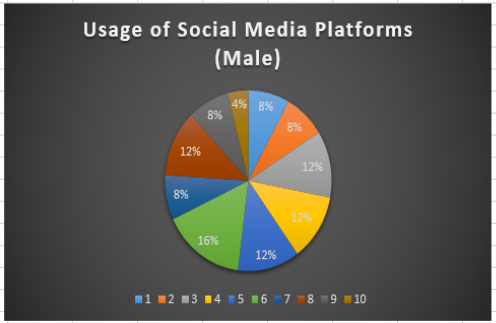
File Home Insert Page Layout Formulas Data Review View Add-Ins Tell me what you want to do... Share

Cut Copy Format Painter | Calibri 11 | Wrap Text | General | Merge & Center | Conditional Formatting | Format as Table | Normal | Bad | Good | Neutral | Calculation | Check Cell | Explanatory ... | Input | Linked Cell | Note | Insert | Delete | Format | AutoSum | Fill | Clear | Sort & Filter | Find & Select

Clipboard Font Alignment Number Styles Cells Editing

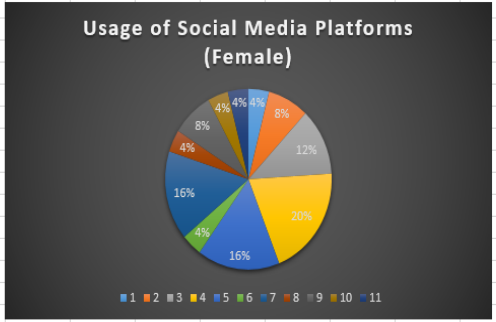
Gender:	Age:	x	Usage	Frequency	%
Male	18	10	12hrs	2	8.00%
Male	19	8	11hrs	2	8.00%
Male	32	6	10hrs	3	12.00%
Male	21	9	9hrs	3	12.00%
Male	24	7	8hrs	3	12.00%
Male	27	7	7hrs	4	16.00%
Male	17	12	6hrs	2	8.00%
Male	12	7	5hrs	3	12.00%
Male	44	2	2hrs	2	8.00%
Male	37	5	1hr	1	4.00%
Male	31	6		25	100.00%
Male	54	2			
Male	76	1		1	
Male	21	11		2.5	
Male	24	7		2	
Male	25	8			
Male	18	11			
Male	18	12			
Male	19	10			
Male	17	9			
Male	20	9			
Male	24	8			
Male	28	5			
Male	39	5			
Male	34	10			

Mean	7.375
Standard Err	0.619176
Median	7.5
Mode	7
Standard Devia	3.033329
Sample Varia	9.201087
Kurtosis	-0.23331
Skewness	-0.46283
Range	11
Minimum	1
Maximum	12
Sum	177
Count	25



Gender:	Age:	x	Usage	Frequency	%
Female	19	8	11hrs	1	4.00%
Female	20	9	10hrs	2	8.00%
Female	18	7	9hrs	3	12.00%
Female	22	10	8hrs	5	20.00%
Female	55	2	7hrs	4	16.00%
Female	48	3	6hrs	1	4.00%
Female	18	9	5hrs	4	16.00%
Female	19	8	4hrs	1	4.00%
Female	20	9	3hrs	2	8.00%
Female	24	7	2hrs	1	4.00%
Female	71	1	1hr	1	4.00%
Female	22	6		25	100.00%
Female	16	5			
Female	17	7		1	
Female	17	7		2	
Female	18	10		1	
Female	28	8			
Female	14	4			
Female	11	5			
Female	24	8			
Female	23	11			
Female	35	5			
Female	37	5			
Female	30	8			
Female	42	3			

Mean	6.541667
Standard E	0.545001
Median	7
Mode	7
Standard I	2.669948
Sample Va	7.128623
Kurtosis	-0.59424
Skewness	-0.38688
Range	10
Minimum	1
Maximum	11
Sum	157
Count	25



GRAPH OF NORMAL CURVE

$B^3 = CD + DA$
$B^3 = (D - C \sin B)$
$B^3 = D^2 - 3A \cos B^2 + A \sin B$
$B^3 = D^2 - 4A \cos B^3 + C \sin B$
$B^3 = C^3 - A^2 - 3 \cos B$

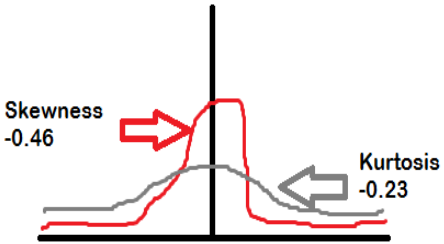


FIGURE 3.1 GRAPH OF NORMAL CURVE OF MALE

The coefficeint of skewness is skewed to the left because it is negative and our coefficient of kurtosis is shorter than normal because it is also negative

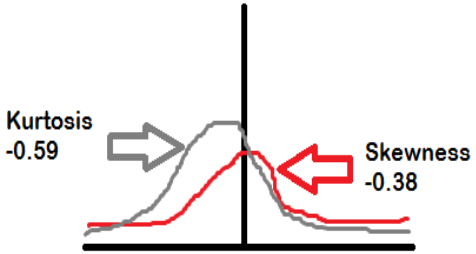


FIGURE 3.2 GRAPH OF NORMAL CURVE OF FEMALE

The coefficient of skewness is skewed to the left because it is negative and our coefficient of kurtosis is shorter than normal because it is also negative

Progress:

MEASURES OF CENTRAL TENDENCY

	Mean	Median	Mode
Male	7.375	7.5	7
Female	6.541667	7	7

MEASURES OF VARIABILITY

	Range	Standard Deviation	Variance
Male	11	3.033329	9.201087
Female	10	2.669948	7.128623

IN THE MEASURES OF CENTRAL TENDENCY THERE IS AN EXTREME VALUE STATED IN THE MEDIAN AND THAT SHOWS HUGE DIFFERENCE THAT MALE HAS USED SOCIAL MEDIA PLATFORMS MORE HOURS THAN FEMALE

IN THE MEASURES OF VARIABILITY AS STATED IN THE GIVEN DATA MALE IS MORE VARIABLE THAN FEMALE BECAUSE THE MALE HAS GREATER STANDARD DEVIATION (3.033329) THAN FEMALE WHICH IS (2.669948) STANDARD DEVIATION.

MEASURE OF NORMALITY (KURTOSIS AND SKEWNESS)

	Kurtosis	Skewness
Male	-0.23331	-0.46283
Female	-0.59424	-0.38688

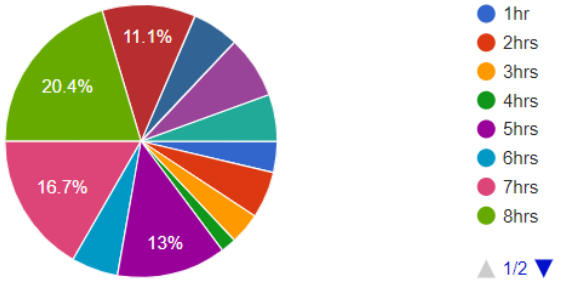
We therefore conclude that the usage of Social Media Platforms of 25 Males is skewed to the left because the coefficient of skewness is negative and the coefficient of kurtosis is shorter than normal because it is negative.

We therefore conclude that the usage of Social Media Platforms of 25 Females is skewed to the left because the coefficient of skewness is negative as well as the coefficient of kurtosis is shorter than normal because it is also negative.

Progress:

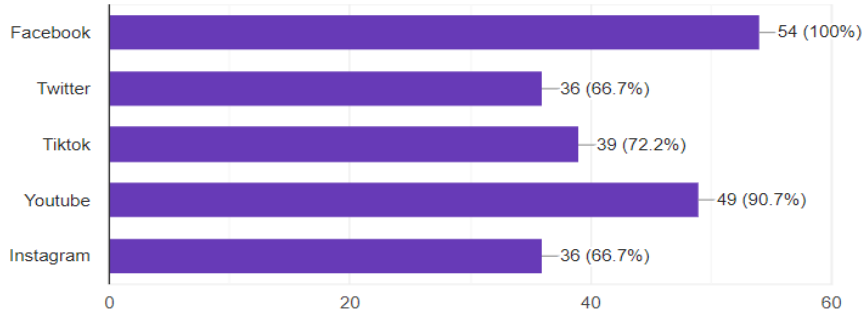
How many hours you use Different Social Media Platforms in a day?

54 responses



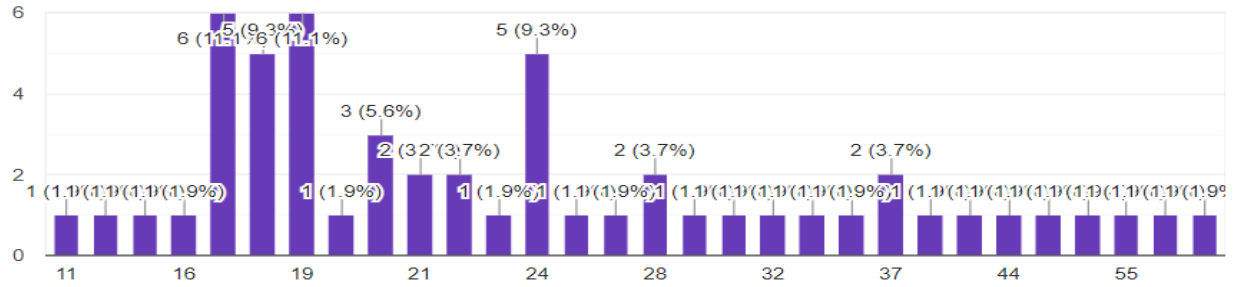
Social Media Platforms you use:

54 responses



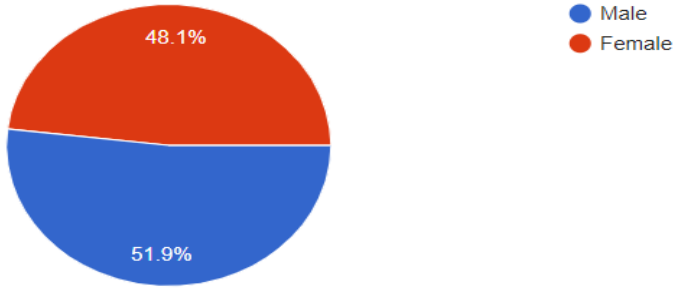
Age:

54 responses



Sex:

54 responses



04 CONCLUSION

finish of an process

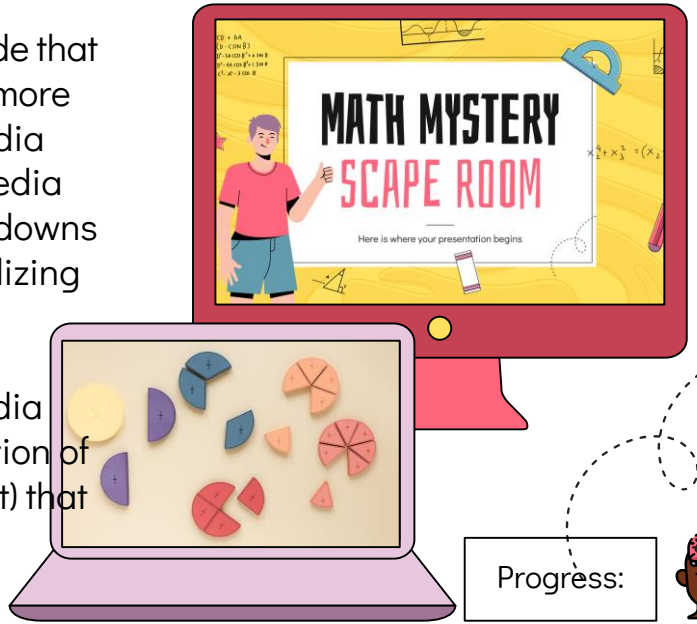
$$x_1 + 2_A = 3\sqrt{5+2AB} = 9\sqrt{12}$$

EXPECTATION AND OUTCOMES

$$x_1 + 2_A = 3\sqrt{5+2AB}$$
$$= 9\sqrt{12}$$

Based on the results of our data. As a result, we conclude that the use of Social Media Platforms is that Male is more active than Female in using different Social Media Platforms. It also increase the usage of Social Media Platforms due to the pandemic that force us to lockdowns that made us more active online than being socializing outdoors.

We also conclude that the hours of using Social Media Platforms became unhealthy because of the radiation of the screen of technology which is called (Blue Light) that may permanently damage our eyes.



Progress:

THANK YOU!

PRESENTED BY:
UBANA, HANS MIGUEL S.
SANCHEZ, DON LEAN B.