Effect of Social Media to Social Participation to1st year College of Information Technology and Computer Science (CITCS) Students

Authors: Gayao, Katrina

Martin, Carlo

Osmena, Raymond

Variables

Categorical: Gender, Relationship Status, Feel that Social Media Affected Them

Quantitative: Social Media Usage, Social Participation, Number of Social Media Platform Used

General Tally

n	GENDER	RELATIONSHIP STATUS	NO. OF SOCIAL MEDIA USE	SOCIAL PARTICIPATION SCORE	FEEL LIKE SOCIAL MEDIA HAVE GREATLY	SOCIAL MEDIA USAGE SCORE																				TOTAL
						number of days use in a week										number of hours use in a day										
						facebook	twitter	instagram	tumblr	snapchat	reddit	youtube	pinterest	discord	linkedIn	facebook	twitter	instagram	tumblr	snapchat	reddit	youtube	pinterest	discord	linkedIn	
res 1	M	R	5	54	Agree	daily	5-6 days	2-4 days			daily	daily				1-3 hrs	1-3 hrs	1-3 hrs			9 & above	9 & above				31
res 2	F	R	5	39	SA	once a week	daily	daily		2-4 days		5-6 days				<1hr	9 & above	9 & above		<1hr		1-3 hrs				26
res 3	M	S	5	51	Agree	daily	2-4 days	once a week		once a week		5-6 days				1-3 hrs	<1hr	<1hr		<1hr		9 & above				20
res 4	O	R	7	51	SA	daily	daily	daily		5-6 days	5-6 days	daily			once a week	4-8 hrs	4-8 hrs	4-8 hrs		<1hr	<1hr	9 & above			<1hr	39
res 5	F	S	5	49	SA	daily	daily	daily			daily	daily				1-3 hrs	1-3 hrs	1-3 hrs			1-3 hrs	1-3 hrs				30
res 6	M	R	9	78	Agree	daily	daily	daily	once a week	once a week	daily	daily	once a week	daily		4-8 hrs	1-3 hrs	4-8 hrs	<1hr	<1hr	1-3 hrs	4-8 hrs	<1hr	4-8 hrs		46
res 7	M	R	4	60	Agree	daily		daily		2-4 days		daily				4-8 hrs		1-3 hrs		<1hr		4-8 hrs				23
res 8	M	S	8	44	Agree	5-6 days	2-4 days	daily	once a week	once a week	once a week	5-6 days			once a week	1-3 hrs	1-3 hrs	1-3 hrs	<1hr	<1hr	<1hr	4-8 hrs			<1hr	29
res 9	F	S	5	54	SA	daily	daily	daily		2-4 days		daily				4-8 hrs	4-8 hrs	4-8 hrs		<1hr		4-8 hrs				31
res 10	M	S	5	48	Agree	daily	daily	daily			daily	daily				4-8 hrs	4-8 hrs	4-8 hrs			4-8 hrs	9 & above				36
res 11	M	R	3	45	SA	daily					daily	daily				1-3 hrs					1-3 hrs	4-8 hrs				19
res 12	F	S	3	51	Agree	daily			once a week			daily				1-3 hrs			<1hr			1-3 hrs				14
res 13	F	S	3	60	Agree	daily					daily	daily				9 & above					9 & above	9 & above				24
res 14	M	S	8	64	SA	daily	5-6 days	2-4 days	2-4 days	once a week	daily	daily			once a week	9 & above	4-8 hrs	<1hr	<1hr	<1hr	9 & above	9 & above			<1hr	40
res 15	M	R	6	72	Agree	daily	2-4 days	daily		once a week		daily			once a week	9 & above	1-3 hrs	9 & above		<1hr		9 & above			<1hr	32
res 16	F	S	4	62	Agree	2-4 days		2-4 days		2-4 days		2-4 days				1-3 hrs		4-8 hrs		<1hr		4-8 hrs				17
res 17	M	R	4	53	Dis	daily		daily		2-4 days		2-4 days				4-8 hrs		1-3 hrs		<1hr		<1hr				19
res 18	M	R	7	76	Agree	daily		daily		once a week	daily	daily	once a week	2-4 days		1-3 hrs		1-3 hrs		1-3 hrs	1-3 hrs	1-3 hrs	1-3 hrs	1-3 hrs		34
res 19	M	R	5	58	Agree	daily		daily			daily	daily		daily		4-8 hrs		1-3 hrs			1-3 hrs	1-3 hrs		1-3 hrs		31
res 20	M	S	4	52	Dis	daily		daily		daily		daily				4-8 hrs		4-8 hrs		4-8 hrs		4-8 hrs				28
res 21	M	S	9	73	Agree	daily	once a week	2-4 days	once a week	once a week	once a week	5-6 days	once a week	once a week		4-8 hrs	<1hr	<1hr	<1hr	<1hr	<1hr	4-8 hrs	<1hr	<1hr		28
res 22	M	S	6	61	SA	5-6 days	once a week	2-4 days	once a week	once a week		daily				1-3 hrs	<1hr	1-3 hrs	<1hr	<1hr		9 & above				23
res 23	F	S	6	61	SA	daily	daily	daily		2-4 days		daily	daily			4-8 hrs	4-8 hrs	4-8 hrs		1-3 hrs		4-8 hrs	1-3 hrs			38
res 24	M	R	5	68	Agree	5-6 days	once a week	5-6 days			2-4 days	daily				1-3 hrs	<1hr	1-3 hrs			<1hr	1-3 hrs				21
res 25	M	S	9	79	SA	daily	daily	daily	once a week	once a week	5-6 days	daily	once a week	daily		4-8 hrs	4-8 hrs	4-8 hrs	<1hr	<1hr	<1hr	4-8 hrs	<1hr	4-8 hrs		45
res 26	M	R	6	56	Agree	daily	daily	daily	once a week		once a week	daily				1-3 hrs	1-3 hrs	1-3 hrs	<1hr		<1hr	9 & above				30
res 27	F	S	9	68	SA	daily	2-4 days	daily	2-4 days	2-4 days	2-4 days	daily	5-6 days	once a week		9 & above	1-3 hrs	9 & above	1-3 hrs	1-3 hrs	1-3 hrs	9 & above	4-8 hrs	<1hr		48
res 28	M	S	8	60	Agree	daily	daily	daily	2-4 days	once a week	2-4 days	daily			once a week	4-8 hrs	<1hr	<1hr	<1hr	<1hr	1-3 hrs	9 & above			<1hr	36
res 29	F	R	3	44	Agree	daily						daily	2-4 days			9 & above						4-8 hrs	1-3 hrs			19
res 30	F	R	4	77	Agree	daily	daily	daily				daily				9 & above	9 & above	9 & above				9 & above				32
res 31	O(BI)		4	37	SD	daily	daily	daily				daily				4-8 hrs	4-8 hrs	4-8 hrs				4-8 hrs				28
res 32	M	S	3	51	SA	daily		daily				daily				9 & above		9 & above				9 & above				24
res 33	M	S	4	49	Agree	daily	daily	daily				5-6 days				1-3 hrs	1-3 hrs	1-3 hrs				<1hr				22
res 34	F	S	3	55	SA	daily	daily	daily								4-8 hrs	1-3 hrs	1-3 hrs								19
res 35	O	S	0	52	Dis																					0
res 36	M	S	3	46	Agree	2-4 days		2-4 days				once a week				<1hr		<1hr				1-3 hrs				9
res 37	M	R	3	86	Agree	daily		daily				daily				1-3 hrs		1-3 hrs				1-3 hrs				18
res 38	M	R	2	42	Dis	2-4 days						5-6 days				4-8 hrs						4-8 hrs				11
res 39	M	S	2	54	Agree	daily						5-6 days				<1hr						1-3 hrs				10
res 40	F	R	2	54	Agree	daily						daily				1-3 hrs						1-3 hrs				12
res 41	M	R	2	49	Agree	daily						2-4 days				4-8 hrs						1-3 hrs				11
res 42	M	S	2	69	Dis	daily						daily				1-3 hrs						1-3 hrs				12
res 43	M	R	2	30	Agree	daily						daily				4-8 hrs						4-8 hrs				14
res 44	M	S	2	56	Agree	daily						once a week				4-8 hrs						4-8 hrs				11
res 45	M	R	2	52	Agree	daily						daily				1-3 hrs						4-8 hrs				13
res 46	M	S	2	46	Agree	5-6 days						5-6 days				9 & above						4-8 hrs				13
res 47	O(G)	S	2	47	Agree	daily						daily				4-8 hrs						4-8 hrs				14
res 48	M	S	2	48	Agree	once a week						daily				1-3 hrs						4-8 hrs				10
res 49	M	R	2	49	Agree	daily						daily				4-8 hrs						4-8 hrs				14
res 50	M	S	2	51	SA	daily						daily				1-3 hrs						1-3 hrs				12
res 51	M	S	2	54	Agree		daily					daily					1-3 hrs					1-3 hrs				12
res 52	M	S	3	61	SA	daily						daily				1-3 hrs						1-3 hrs				12
res 53	M	R	3	45	Agree	daily		daily				daily				1-3 hrs		<1hr				<1hr				16
res 54	M	S	3	79	SA	daily		daily				daily				1-3 hrs		1-3 hrs				1-3 hrs				18
res 55	M	R	3	74	SA	daily		daily				daily				4-8 hrs		4-8 hrs				4-8 hrs				21
res 56	F	R	3	70	SA	daily		daily				daily				4-8 hrs		<1hr				4-8 hrs				19
res 57	F	R	4	26	SA	daily	daily	daily				daily				9 & above	9 & above	9 & above				9 & above				32
res 58	F	R	4	44	Dis	2-4 days					5-6 days	daily				1-3 hrs					1-3 hrs	1-3 hrs				15
res 59	M	R	3	39	Agree	daily						daily		5-6 days		1-3 hrs						4-8 hrs		1-3 hrs		18
res 60	M	S	2	41	Agree	daily						2-4 days				1-3 hrs						1-3 hrs				10
res 61	F	S	2	31	Agree		daily										4-8 hrs									5
res 62	M	S	7	71	Agree	daily	once a week	daily	once a week	daily	2-4 days	daily	daily	daily		<1hr	1-3 hrs	9 & above	9 & above	9 & above	9 & above	9 & above	9 & above	4-8 hrs		56
res 63	M	R	2	71	Dis	once a week						2-4 days				<1hr						1-3 hrs				6
res 64	O	S	2	30	SA	daily	daily									9 & above	9 & above									16
res 65	F	S	5	41	Agree	daily	daily	daily			daily	daily				<1hr	1-3 hrs	<1hr			1-3 hrs	1-3 hrs				28
res 66	M	S	4	47	Agree	daily	daily	daily				daily				1-3 hrs	1-3 hrs	<1hr				4-8 hrs				24
res 67	M	S	6	31	Dis	daily	once a week	2-4 days			daily	daily		daily		4-8 hrs	1-3 hrs	1-3 hrs			9 & above	9 & above		9 & above		38
res 68	F	S	5	37	Agree	daily		2-4 days	once a week			5-6 days				4-8 hrs		<1hr	<1hr			1-3 hrs				17
res 69	F	R	4	56	Agree	2-4 days	5-6 days	2-4 days				daily				4-8 hrs	<1hr	<1hr	<1hr			1-3 hrs				19
res 70	F	S	5	38	Dis	once a week		once a week	once a week			daily				1-3 hrs		<1hr				9 & above				13
res 71	F	R	9	41	Agree	daily	once a week	once a week	once a week	once a week	once a week	2-4 days	once a week	once a week	once a week	1-3 hrs	<1hr	<1hr	<1hr	<1hr	<1hr	1-3 hrs	<1hr	<1hr	<1hr	26
res 72	F	S	2	29	Agree	2-4 days						2-4 days				1-3 hrs						4-8 hrs				9
res 73	F	S	5	34	Agree	daily	5-6 days		2-4 days			2-4 days				4-8 hrs	1-3 hrs		1-3 hrs			1-3 hrs				20
res 74	M	R	3	16	Dis	2-4 days	once a week	once a week								4-8 hrs	<1hr	<1hr								9
res 75	M	R	5	38	Dis	5-6 days	once a week				5-6 days	daily		daily		1-3 hrs	1-3 hrs				4-8 hrs	4-8 hrs		9 & above		29
res 76	M	S	6	35	Agree	daily	2-4 days	2-4 days			5-6 days	daily		daily		4-8 hrs	1-3 hrs	1-3 hrs			4-8 hrs	4-8 hrs		4-8 hrs		35
res 77	O(P)	R	4	36	Agree	daily	once a week					daily		daily		1-3 hrs	<1hr					1-3 hrs		<1hr		19
res 78	M	S	4	32	Agree	daily	2-4 days	5-6 days	once a week							9 & above	1-3 hrs	4-8 hrs	<1hr							20
res 79	F	S	6	34	Agree	daily	daily	daily								1-3 hrs	1-3 hrs	1-3 hrs								18
res 80	F	S	9	51	SA	daily	once a week	5-6 days	once a week	once a week	daily	daily		daily	once a week	9 & above	<1hr	1-3 hrs	<1hr	<1hr	9 & above	9 & above		9 & above	<1hr	45
res 81	M	S	4	30	Agree	2-4 days	once a week			once a week		5-6 days				4-8 hrs	1-3 hrs			<1hr		4-8 hrs				16
res 82	M	S	9	30	Agree	2-4 days	2-4 days	2-4 days	2-4 days	2-4 days	2-4 days	2-4 days	2-4 days	2-4 days	2-4 days	1-3 hrs	1-3 hrs	1-3 hrs	1-3 hrs	1-3 hrs	1-3 hrs	1-3 hrs	1-3 hrs	1-3 hrs	1-3 hrs	40
res 83	M	S	0	60	Agree																					0
res 84	O	S	0	15	Dis																					0
res 85	O	R	3	32	Dis	once a week	5-6 days	2-4 days								<1hr	9 & above	1-3 hrs								13
res 86	M	R	0	22	Dis																					0
res 87	M	S	2	56	Agree	daily		2-4 days								1-3 hrs		<1hr								9
res 88	M	S	2	65	Agree	daily						daily				1-3 hrs						1-3 hrs				12
res 89	M	S	4	35	Agree	daily	2-4 days	once a week				daily				4-8 hrs	1-3 hrs	<1hr				4-8 hrs				21
res 90	M	S	4	35	SA	5-6 days	2-4 days					5-6 days				4-8 hrs	1-3 hrs					4-8 hrs				18
res 91	M	S	4	33	Agree	daily		daily				daily		daily		1-3 hrs		1-3 hrs				1-3 hrs		4-8 hrs		25
res 92	F	R	7	35	Agree	daily	2-4 days	once a week		2-4 days		5-6 days		once a week		<1hr	<1hr	<1hr		<1hr		<1hr		<1hr		20
res 93	F	R	3	30	Agree	daily	daily	daily								9 & above	9 & above	9 & above								24

*blue are online respondents

General Tally of the reasons which is tallied offline

	facebook	twitter	instagram	tumblr	snapchat	reddit	youtube	linkedIn	Discord	Pinterest
reason										
new info	380	154	193	60	45	85	371	11	23	51
touch family	299	90	161	30	38	50	135	0	17	39
touch friends	396	113	214	35	73	48	143	0	27	35
chat	374	79	153	25	68	35	140	0	25	31
update	290	12	155	31	54	37	136	0	25	36
new friends	218	97	158	21	73	41	142	0	21	29
schoolwork	311	67	123	32	46	83	310	14	18	46
popularity	162	96	125	19	46	32	130	1	20	30
audience	161	97	125	19	47	23	136	11	18	28
entertainment	375	158	239	44	108	112	411	3	33	32

Catergorical Data

GENDER		SOCIAL MEDIA INFLUENCE	
Males	58	Agree	57
Females	27	Disagree	14
Others (unspecified)	5	Strongly Agree	21
Bisexual	1	Strongly Disagree	1
Pansexual	1		
Gay	1		

RELATIONSHIP STATUS	
Single	55
In a Relationship	37

Quantitative Data

	Mean	SD	min	max
SOCIAL MEDIA USAGE SCORE	21.38709677	11.44840245	0	56
NUMBER OF SOCIAL PLATFORM USED	4.11827957	2.245040245	0	9
SOCIAL PARTICIPATION SCORE	49.47311828	15.29889979	15	86

Rank reasons for each platform

	facebook	twitter	instagram	tumblr	snapchat	reddit	youtube	linkedln	Discord	Pinterest
1	Keep in touch with friends	Entertainment	Entertainment	Obtain new information	Entertainment	Entertainment	Entertainment	Facilitate school work	Entertainment	Obtain new information
2	Obtain new information	Obtain new information	Keep in touch with friends	Entertainment	Keep in touch with friends	Obtain new information	Obtain new information	Gain Audience for work	Keep in touch with friends	Facilitate school work
3	Entertainment	Keep in touch with friends	Obtain new information	Facilitate school work	Find new friends	Facilitate school work	Facilitate school work	Obtain new information	Chat	keep in touch with family
4	Chat	Gain Audience	keep in touch with family	Keep in touch with friends	Chat	keep in touch with family	keep in touch with family	Entertainment	Update family and friends	Update family and friends
5	Facilitate school work	Find new friends	Find new friends	Update family and friends	Update family and friends	Keep in touch with friends	Find new friends	Gain Popularity	Obtain new information	Keep in touch with friends
6	keep in touch with family	Gain Popularity	Update family and friends	keep in touch with family	Gain Audience	Find new friends	Chat		Find new friends	Entertainment
7	Update family and friends	keep in touch with family	Chat	Chat	Gain Popularity	Update family and friends	Update family and friends		Gain Popularity	Chat
8	Find new friends	Chat	Gain Audience	Find new friends	Obtain new information	Chat	Gain Audience		Facilitate school work	Gain Popularity
9	Gain Popularity	Facilitate school work	Gain Popularity	Gain Popularity	Facilitate school work	Gain Popularity	Keep in touch with friends		Gain Audience	Find new friends
10	Gain Audience	Update family and friends	Facilitate school work	Gain Audience	keep in touch with family	Gain Audience	Gain Popularity		keep in touch with family	Gain Audience

Cross Tabulation with Proportions

GENDER AND RELATIONSHIP STATUS
Count of n

	R	S	(blank)	Grand Total
F	11	16		27
M	23	35		58
O	2	3		5
O(BI)			1	1
O(G)		1		1
O(P)	1			1
(blank)				
Grand Total	37	55	1	93

Proportion of Gender to Relationship Status
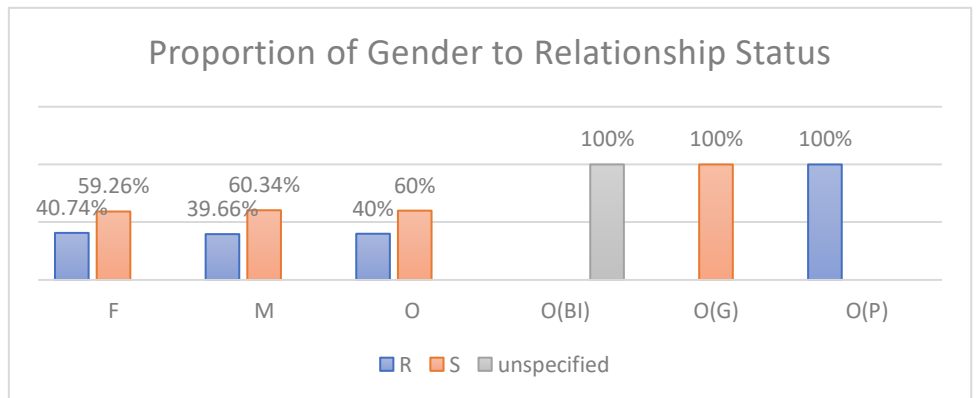
GENDER AND NUMBER OF SOCIAL MEDIA PLATFORMS USE
Count of n

	0	2	3	4	5	6	7	8	9	(blank)	Grand Total
F		3	6	5	7	2	1		3		27
M	2	16	10	10	6	5	2	3	4		58
O	2	1	1		1						5
O(BI)				1							1
O(G)		1									1
O(P)				1							1
(blank)											
Grand Total	4	21	17	17	13	7	4	3	7		93

Proportion of Gender to Number of Social Media Platforms Use

GENDER AND PERCEIVED GREAT AFFECT FROM SM

Perceived Great Affects

	Agree	Dis	SA	SD	(blank)	Grand Total
F	16	2	9			27
M	39	9	10			58
O		3	2			5
O(BI)				1		1
O(G)	1					1
O(P)	1					1
(blank)						
Grand Total	**57**	**14**	**21**	**1**		**93**
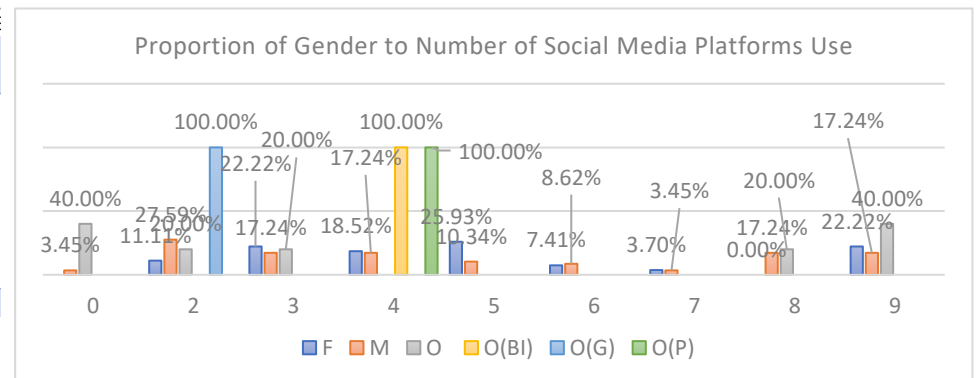
Proportion of Gender to Perceived Great Affectiveness of Social Media

PRECEIVED GREAT AFFECT OF SOCIAL MEDIA AND SOCIAL PARTICIPATION SCORE

Count of n

	15	16	22	26	29	30	31	32	33	34	35	36	37	38	39	41	42	44	45	46	47	48	49	51	52	53	54	55	56	58	60	61	62	64	65	68	69	70	71	72	73	74	76	77	78	79	86	(blank)	Grand Total
Agree						1	4	1	1	1	2	3	1	1		1	3		2	1	2	2	2	3	2	1		4		4	1	4		1		1	1		1	1	1		1	1	1			1	57
Dis	1	1	1				1	1						2			1	1						2	1									1		1													14
SA				1		1				1					1					1			1	4			1	1				3		1		1		1				1			2				21
SD											1																																						1
(blank)																																																	
Grand Total	1	1	1	1	1	5	2	2	1	2	4	1	2	2	2	3	1	3	2	2	2	2	4	6	3	1	5	1	4	1	4	3	1	1	1	2	1	1	2	1	1	1	1	1	1	2	1		93

PERCEIVED GREAT AFFECT FROM SOCIAL MEDIA AND SOCIAL MEDIA USAGE

Count of n

	0	5	6	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	28	29	30	31	32	34	35	36	38	39	40	45	46	48	56	(blank)	Grand Total
Agree	1	1		3	3	2	3	2	4		2	2	3	3	4	2	1	1	3	1	1	2	1	1	2	2	1	1	2		1		1		1			57
Dis	3		1	1		1	1	2		1				1					1	1					1													14
SA					2				1		2	3		1		1	1		1			1	1	1			1	1	1	2		1						21
SD																						1																1
(blank)																																						
Grand Total	4	1	1	4	3	3	6	4	4	1	3	2	5	7	4	3	1	2	4	1	2	4	2	2	3	3	1	1	2	2	1	2	2	1	1	1		93

Graphs

Categorical

Gender

■	Males
■	Females
■	Others (unspecified)
■	Bisexual
■	Pansexual
■	Gay

Pie chart values: 62%, 29%, 6%, 1%, 1%, 1%

GENDER

■ Series1

MALES	FEMALES	OTHERS...	BISEXUAL	PANSEXUAL	GAY
58	27	5	1	1	1

Feel that Social Media Affeted them

■	Agree
■	Disagree
■	Strongly Agree
■	Strongly Disagree

Pie chart values: 61%, 15%, 23%, 1%

FEEL THAT SOCIAL MEDIA AFFETED THEM

■ Series1

AGREE	DISAGREE	STRONGLY AGREE	STRONGLY DISAGREE
57	14	21	1

Relationship Status

■	Single
■	In a Relationship

Pie chart values: 60%, 40%

RELATIONSHIP STATUS

■ Series1

SINGLE	IN A RELATIONSHIP
55	37

Quantitative

Social Participation

Interval	Frequency
[15, 27]	4
(27, 39]	24
(39, 51]	25
(51, 63]	23
(63, 75]	11
(75, 87]	6

Social Media Usage

Interval	Frequency
[0, 8.8]	6
(8.8, 17.6]	30
(17.6, 26.4]	29
(26.4, 35.2]	16
(35.2, 44]	7
(44, 52.8]	4
(52.8, 61.6]	1

Number of Social Media Used

Interval	Frequency
[0, 1.7]	4
(1.7, 3.4]	38
(3.4, 5.1]	30
(5.1, 6.8]	7
(6.8, 8.5]	7
(8.5, 10.2]	7

Correlations

Effect of Social Media to Social Participation

The graphs seem to show that there is an association between the respondent's social participation and their use of social media. It implies that the more active the respondent is in social media the more they participate socially meaning they are also active socially.

Calculations

PEARSONS R

Social Participation and Social Media Usage

= 0.299744564

The Pearson's r between social media usage score and social participation score indicates that the two has a very low positive correlation as it is within the range .10 to .30

PEARSONS R^2

Social Participation and Social Media Usage

= 0.089846803

=9%

The r-squared implies that 9% of the variation of Social Participation Scores is explained by the use of Social Media.

Hypothesis Testing

Ho   Female social participation = to male social participation

Ha   Female social participation ≠ to male social participation

z-test calculations 0.01909723

    the z-test is lower than .05 so we fail to reject the null hypothesis

    The female and male social participation is about the same.

Ho   Female social media usage = to male social media usage

Ha   Female social media usage ≠ to male social media usage

z-test calculations 0.061209799

    the z-test is slightly higher than 0.05 so we reject the null hypothesis

    The female and male social media platform use is almost the same but is still different

Ho   Single social participation = to In a relationship social participation

Ha   Single social participation ≠ to In a relationship social participation

z-test calculations 0.299969166

    The z-test is higher than 0.05 so we reject the null hypothesis

    The social participation of single respondents is not the same with the social
    participation of those in a relationship

Ho   Single social media usage = to in a relationship social media usage

Ha   Single social media usage ≠ to in a relationship social media usage

z-test calculations 3.77458E-09

    The z-test is significantly lower than 0.05 so we fail to reject the null hypothesis

    The social media usage of single respondents is the same with the social media usage
    of those in a relationship

Findings

This study has surveyed 93 first year College of Information Technology and Computer Science (CITCS) students to compute for the correlation or effect of social media to the student's social participation. We have gathered that majority of the students agree that social media has greatly influenced them and those who did not agree are mostly those who answered that they strongly agreed.

The average social media usage score is 21.39 with the lowest being 0 and maximum being 56. The average of social participation score is 49.47 with 15 as the lowest and 80 as the highest. On average the students use about 4 social media platforms with the minimum number being 0 and 9 being the maximum. The respondent's common reason for using these social media platforms was for entertainment, to obtain new information and to keep in touch with friends.

From the crosstabulation, we found that 56.26% of females and 60.34% of males in the study are single and that majority of these males and females have agreed that social media affected them greatly. It can also be observed that the most males use two social media platforms while females use about 3 to 6. The hypothesis test indicated that the social participation of those in a relationship and those who are single have a difference but have used social media equally. The same could be said when gender is subjected to a hypothesis test wherein the females and males have the same social participation score despite having some difference in their social media usage. This indicates that social participation may not be as affected by social media in terms of social relationships and gender.

From the crosstabulation also, it can be inferred that those who agreed that social media affected them greatly have average social participation score but lower social media usage and those who disagreed follow the same trend. In addition, according to the histograms, social participation score seems to be exhibiting a slight normal distribution however along with social media usage and number of social media used, it follows left leaning curve. This could mean that most of the student's social participation have impacted them despite a low use of social media.

Overall the study has found that the use of social media can affect social participation as there is an upward trend in its scatterplot. The trend indicates that the more the respondent uses social media the more they frequently participate socially. This association, however, has a low positive correlation with Pearson's r being 0.3 which means that 9% of the variation in social participation can be explained by the use of social media.

Conclusion

In conclusion, the study has found that there is a low correlation between the use of social media and social participation. According to the data, the more a person uses social media, the more likely they are to participate socially. However, with the low positive correlation of only 0.3, the association is negligible meaning that social media does not directly affect social participation of these CITCS students as only 9% of the change in social participation can be explained by the use of social media.

Aside from the scatterplot and Pearson's r calculations, the lack of corelation between social media and social participation can be observed from other statistical analysis tools that analyzes the sample categories of this study such as the cross tabulation that was used to compare the proportions of the respondent's score in social media, social participation and number of social media used according to their gender, and relationship status. It is in these tabulations we notice that there is a difference between the social participation of males and females, as well as the social media use of respondents in a relationship and those who are single. In order to test this difference we use the hypothesis test and found that despite the changes in social participation in gender the use of social media remains the same, and that despite the changes in the use of social media in the respondent's relationship status, social participation of the two variables remains the same. This contributes to the fact that social media does not impact social participation. However, it can be inferred in the cross tabulations that those who agreed that social media affected them greatly have average social participation score but lower social media usage and those who disagreed follow the same trend. With asymmetrical histograms, this indicates that social media does have an impact and most students are affected even though they use social media less.

This lack of correlation may be because the students use social media mostly as a source of entertainment or a place to find new information which can distract the respondents from participating socially and is supposed to result in an acceptable negative correlation. Although this did not happen, and it is probable that it is because it is balanced by the fact that this social media sites encourage people to socialize as the primary function of these sites is for socializing.

Reflection

This study was gathered from different sources. The survey questionnaire of this study were bits and pieces of other researches that includes measuring social participation and social media. This resulted with a unique study that involves a lot of data and variables which made it difficult to create a comprehensive study even though the variables do relate to each other. Handling this much data also made it difficult to distribute the workload evenly as it takes more time and energy to convince other members to do a relatively large amount of work and explain what to do with the data they are given.

We recommend a quantitative analysis project, or a quantitative research should be unique but deals with less variables. An example would be to make the research about the effect of social media to social participation is to keep the survey simple and focus on social media usage and social participation of a student which doesn't involve the reasons why people use social media and if they perceive social media to have affected them or not.

The result of this study wasn't as expected because we thought that due to the existence of social media people would not go out and participate in social gatherings and invents anymore but it turns out it's the opposite of that and there isn't much correlation between the two after all. This puts into perspective how important checking the correlation of a seemingly high correlated pair of independent and dependent variables because it may not be highly correlated pair and people are wasting time and effort for a fruitless and false study. Much like how people correlated video games with violent behavior which caused some authorities to neglect other sources of violent behavior like drugs and mental instability.

This survey of this project was also difficult to understand we think because it is different from the usual surveys the only involves questions to which we shall keep in mind for future use. Doing quantitative analysis was fun though because you didn't have to research other researches much and cite them, although it does get confusing when you're not good with interpreting data especially the results of the data analysis tools in addition to the difficulty of using these analysis tools.