

# Impact of Search Engines on the Memory of Youngsters in the Age Group of 15 to 25 Years



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**Abstract**

The youngsters under the age group of 15 to 25 years are very much vulnerable to different search engines for the purpose of personal and professional enhancement. The purpose of the project was to study the impact of different search engines on the memory of youngsters as they spend a lot of time on internet for different purposes like for entertainment, searching jobs, playing game etc. The method we adopted was first we collected data from 400 people in the age group of 15 to 25 years using a questionnaire to find the pattern of using internet and how much they are depending on the information available on the internet. In the second section we selected about 30 youngsters (15 Male + 15 Female) youngsters. They are directed to use internet for minimum one to two hours per day for 15 to 20 days. Before and after the internet section they are used to find answers of simple mental mathematics questions then we use statistical software (SPSS) for analysing the data.

**Keywords:** Bar- Chart, Mean, Standard Deviation, t-test, Pearson Correlation.

**Introduction**

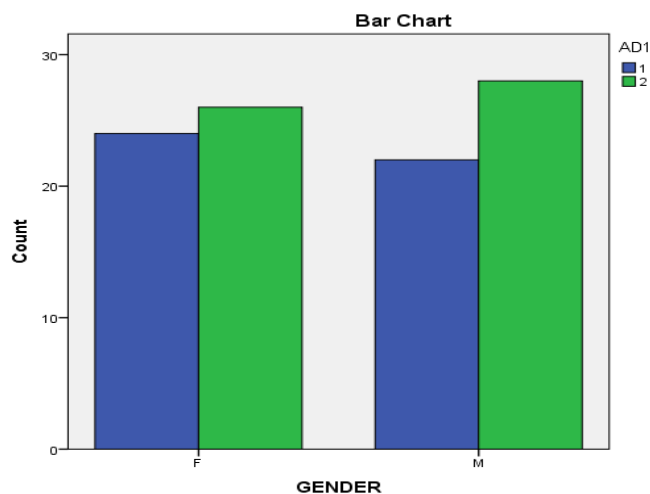
All of us know that youngsters are spending a lot of time on internet for various purposes like entertainment, for sending and receiving emails, playing games, for preparing projects, searching job opportunities etc. So first we conducted a survey on around 100 youngsters from both urban and rural areas including both students and working people. Some of the relevant questions we asked and its analysis by using bar chart is given below.

AD1 Do you have a problem limiting the time you spend on the net

**GENDER \* AD1 Cross tabulation**

Count

		AD1		Total
		YES	NO	
GENDER	F	24	26	50
	M	22	28	50
Total		46	54	100

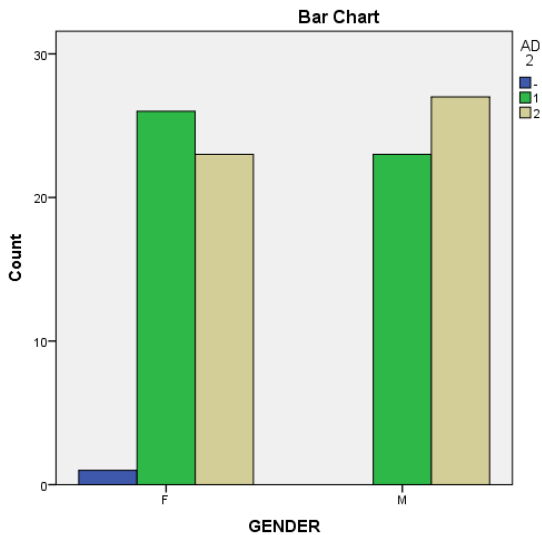


# Asian Resonance

1: YES, 2: NO

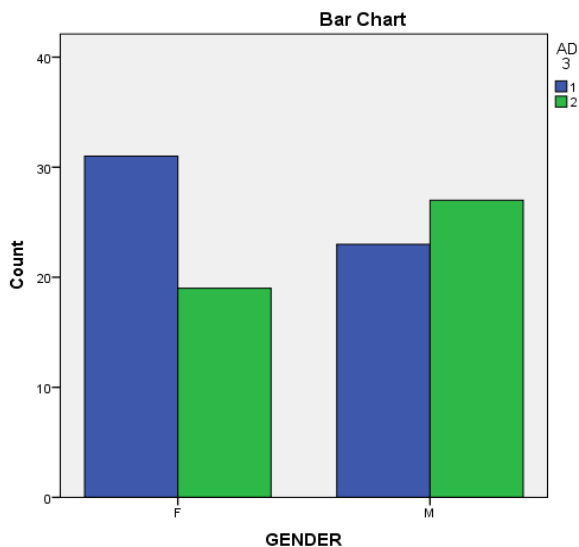
**AD2: Have any of your friends or family members complained about the time you spend on computer**

		NO RESPONSE	AD 2		Total
			YES	NO	
GENDER	F	1	26	23	50
	M	0	23	27	50
Total		1	50	50	100



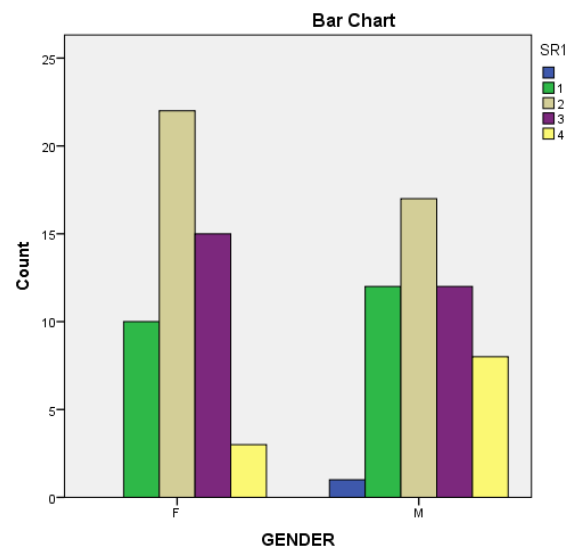
**AD3: Addiction to online game really has some negative effect on studies**

<b>GENDER * AD 3 Cross tabulation</b>				
Count				
		AD 3		Total
		YES	NO	
GENDER	F	31	19	50
	M	23	27	50
Total		54	46	100



**SR1: Use of internet decreased your physical activity like exercise and sports**

<b>GENDER * SR1 Cross tabulation</b>							
Count							
		SR1					Total
		NO RESPONSE	STRO NGLY AGRE E	AG RE E	DISA GREE	STRO NGLY DISAG REE	
GENDER	F	0	10	22	15	3	50
	M	1	12	17	12	8	50
Total		1	22	39	27	11	100

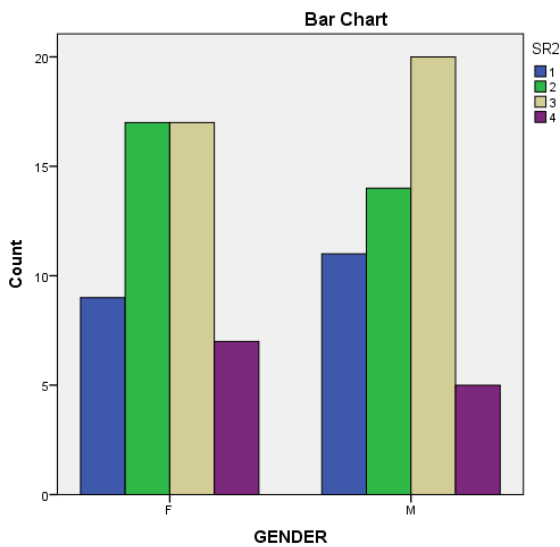


**SR2: social activity like going in parties or religious gathering**

**GENDER \* SR2 Cross tabulation**

Count		SR2				Total
		STRO NGLY AGR EE	AGR EE	DIS AGR EE	STRO NGLY DISAG REE	
GENDER	F	9	17	17	7	50
	M	11	14	20	5	50
Total		20	31	37	12	100

# Asian Resonance



Time spend on internet for different purposes

Descriptive Statistics						
	N	Minimum	Maximum	Sum	Mean	Std. Deviation
entertainment	42	.50	12.00	156.00	3.7143	2.51373
school	19	.50	8.00	53.50	2.8158	1.64326
work	48	.25	7.00	134.75	2.8073	1.51608
Sending &_receiving_mails	32	.50	8.00	99.50	3.1094	1.58488
chating	34	1.00	20.00	142.00	4.1765	3.86688
others	17	.25	20.00	84.75	4.9853	5.13450
Valid (listwise)	N 1					

**Result**

From the above analysis we conclude that most of them can control the time they are spending on internet but on line games and other entertainments available on the internet are affecting their studies and other activities. Most of the students are using internet for projects but with our interaction with them they agreed that they won't trust the authenticity of the data. For getting authentic information they depend on books.

**Second Analysis**

Impact of internet on memory before and after the usage.

**Method**

We selected 30 students (15 Boys + 15 Girls) from different back grounds and directed them

to use internet for minimum 1 to 2 hours per day under the team leaders supervision. Before and after using internet they are asked to solve simple mental maths problems, The results are analysed by using the statistical software SPSS.

**Data Collected**

Student no	Gender	SET 1	SET 2	D
1	F	1	1	0
2	F	3	2	1
3	F	1	3	-2
4	F	3	1	2
5	F	3	3	0
6	F	3	1	2
7	F	3	3	0
8	F	3	5	-2
9	M	5	5	0
10	M	5	5	0
11	M	5	5	0
12	M	4	5	-1
13	M	5	5	0
14	M	3	1	2
15	M	2	1	1
16	F	2	1	1
17	F	2	2	0
18	F	2	1	1
19	F	2	2	0
20	F	2	1	1
21	F	2	1	1
22	M	2	2	0
23	M	3	3	0
24	F	3	3	0
25	M	2	3	-1
26	F	3	2	1
27	F	3	3	0
28	M	2	3	-1
29	M	3	3	0
30	F	3	2	1
				7

**t-Test: Paired Two Sample for Means(MALE)**

	Variable 1	Variable 2
Mean	3.416666667	3.416666667
Variance	1.71969697	2.446969697
Observations	12	12
Pearson Correlation	0.838323552	
Hypothesized Mean Difference	0	
df	11	
t Stat	0	
P(T<=t) one-tail	0.5	
t Critical one-tail	1.795884814	
		<b>Do not reject Ho as p value &gt; 0.05(level of significance)</b>
P(T<=t) two-tail	<b>p value: 1</b>	
t Critical two-tail	2.200985159	

# Asian Resonance

There is no significant difference between scores of male students after using internet

### t-Test: Paired Two Sample for Means(FEMALE)

	Variable 1	Variable 2
Mean	2.444444	2.055556
Variance	0.496732	1.232026
Observations	18	18
Pearson Correlation	0.342548	
Hypothesized Mean Difference	0	
df	17	
t Stat	1.510692	
P(T<=t) one-tail	0.074615	
t Critical one-tail	1.739607	
P(T<=t) two-tail	<b>P value: 0.149231</b>	<b>Do not reject Ho as p value &gt; 0.05(level of significance)</b>
t Critical two-tail	2.109816	

There is no significant difference between scores of female students after using internet

### t-Test: Paired Two Sample for Means

	Variable 1	Variable 2
Mean	2.833333333	2.6
Variance	1.17816092	2.110344828
Observations	30	30
Pearson Correlation	0.721667128	
Hypothesized Mean Difference	0	
df	29	
t Stat	1.270015685	
P(T<=t) one-tail	0.10708757	
t Critical one-tail	1.699126996	
P(T<=t) two-tail	<b>P value 0.21417514</b>	<b>Do not reject Ho as p value &gt; 0.05(level of significance)</b>
t Critical two-tail	2.045229611	

There is no significant difference between scores of (male and female) students after using internet.

### Result

This was a Minor Research and we used about 6 months for study. We cannot find any significance impact of internet on the memory of youngsters.

### Conclusion

During an interaction with the youngsters we realized that they do not trust the data available on

the net for getting the correct information they go back to books. They know that too much use of internet is a waste of time and money. If the study can extended to years the result may be different.

### Acknowledgement

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