



## INFLUENCE OF DEMOGRAPHIC VARIABLES ON FACTORS OF SOCIAL INTELLIGENCE FOR UNDERGRADUATE ENGINEERING STUDENTS

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### Abstract

Social intelligence is of one of more consequence in the present life style due to rising tensions, stresses and a mixture of complexity. It can be learned, developed and used as an effective life skill for organization personal life, interpersonal association and achieving success in all the journey of life. The present study was conducted to identify the influence of demographic factors of social intelligence for undergraduate engineering students. For this purpose descriptive survey method was used. 147 respondents from Undergraduate engineering students were chosen for the sample by adopting stratified random sampling technique. The data was analyzed by using statistical tools. The findings of social intelligence indicate that which demographic factors affect more for the undergraduate engineering students.

**Key Words: Social Intelligence, Undergraduate Students, Demographic Factors.**

### INTRODUCTION

Social intelligence has two significance issues, which are distinctly personal and social in nature, one is intrapersonal intelligence and other one is interpersonal intelligence. Intrapersonal intelligence is the person's capability to gain and access to his or her own internal emotional and regarding interpersonal intelligence is the individual's capability to notice and make amazing performance among other individuals. Generally, Intelligence is consider to be the power to analyze, understand learn and decide. According to ancient Indian Philosopher, the inner self of man has three parts, Mind, Intelligence and Ego, Due to coordination of the Mind, the external senses become active and due to it, the Intelligence becomes active. Social means to relating to human society and its members, social institutions, societal advancement, community services, social legislation. It is living together or enjoying life in communities or organized groups, a human being is a social animal, mature social behavior. It is related to or belonging to a characteristic of high society gossip column. It is composed of social cultured people are formed for the purpose of sociability, a purely social club makes an individual away from loneliness.

Here in this study researcher confer about the social intelligence. Social intelligence describes the solely human capacity to use very large brains to effectively find the way and negotiate the complex social relationships and environments. Psychologist and professor at the London school of Economics Nicholas Humphrey has studied about the social intelligence to the affluence of our qualitative life rather than the quantitative intelligence. Modern brain research supports the study that humans are social beings, hard – wired to live and work together, and the who possess, develop and employ the skills needed to bond with others are those who will prosper in health, wealth, happiness, and effectiveness. Goleman says that brain research suggests that people catch” emotions from one another – emotions are transmitted brain to brain through subtlety of expression. Speech and mood and that we affect one another than we know, even alternating the very structure of the brain and our physiological responses and health in long-term relationships. Thus the study of social intelligence is enormously important. In the case of social intelligence, there are things we can able to learn from social neuroscience to apply to our internal and external relationships which helps in improving others and improving ourselves at the same time. The brain, for instance, triggers a smile in someone in return for a smile. Even a good picture or movie of a smiling person will trigger at least a minute change in facial muscles, the beginning of an answering smile. Social intelligence the passing of very minute message and retort to others will convey what are inside to others having we hope a good effect. Social intelligence is significant to teachers who are trying to motivate students, employers who are trying to motivate students, employers who want to retain employees and increase production, marriage partners, parents, and everyone else who interacts with other human beings in significant ways.

### OBJECTIVES OF THE STUDY

To access the influence of demographic variables on engineering students social intelligence toward their (Gender, Age, Fathers and mothers employment, Total family monthly income, type of family, family size, native area).



## RESEARCH METHOD

Descriptive research has been deployed in this study, 147 students have been chosen for the survey from various engineering colleges in Chennai, and random sampling method is used and with the help of statistical tools results has been analyzed.

## DATA ANALYSIS AND INTERPRETATION

### Influence of demographic variables on Social intelligence

To test the influence of demographic variables on social intelligence (Gender, Age, Fathers and mothers employment, Total family monthly income, type of family, family size, native area) of undergraduate engineering students. T-test is applied to ascertain the significant influence of different variables.

The following null hypothesis were framed,

Null Hypothesis Ho: There is no significant influence of demographic variables on social intelligence of undergraduate engineering students a) Gender b) Age c) Fathers employment d) Mothers employment e) Total family monthly income f) Type of family g) Family size h) Native area.

The below table shows the result of influence of demographic variables on social intelligence of engineering student.

		N	Mean	S D	t/ F values
<b>Gender</b>	Male	84	71.28	4.663	<b>t=1.015</b> <b>(p=.312)</b>
	Female	63	72.01	3.799	
<b>Age</b>	19-21 years	70	72.71	4.955	<b>F=10.097** (p&lt;.001)</b>
	22-24 years	51	69.52	3.158	
	Above 24 years	26	72.65	2.770	
<b>Father's employment</b>	Government	53	70.30	4.370	<b>F=4.127**</b> <b>(p=.008)</b>
	Private	35	72.65	4.249	
	Business	39	72.92	4.269	
	Self employed	20	70.60	3.267	
<b>Mother's employment</b>	Government	21	68.33	3.864	<b>F=4.549**</b> <b>(p=.002)</b>
	Private	10	73.70	3.802	
	Business	16	71.62	5.018	
	Self employed	35	72.65	3.645	
	Home maker	65	71.75	4.242	
<b>Total family monthly income</b>	Below Rs.25,000	44	71.04	3.490	<b>F=7.995** (p&lt;.001)</b>
	Rs. 25,000-50,000	55	72.07	4.791	
	Rs.50,000-75,000	21	74.00	3.146	
	Rs.75,000-1 lakh	12	66.25	4.454	
	More than Rs. 1 Lakh	15	72.40	1.681	
<b>Type of Family</b>	Joint	50	69.12	3.894	<b>t=5.473** (p&lt;.001)</b>
	Nuclear	97	72.87	3.966	
<b>Family size</b>	< 3 members	43	73.34	4.561	<b>F=6.534**</b> <b>(p=.002)</b>
	4&5 members	74	71.27	3.433	
	More than 5 members	30	69.90	5.114	
<b>Native area</b>	Urban	75	72.81	3.840	<b>F=11.073** (p&lt;.001)</b>
	Semi-urban	45	69.26	4.589	
	Rural	27	72.11	3.609	

**\*\*Significant at 1% level**



**Gender:** The obtained 't' value is 1.015 and it is significant at 1% level. The value indicates that there is significant influence of gender on engineering students' social intelligence.

**Age:** The obtained 'F' Value is 10.097 and it is not significant at 1% level. The value indicates that there is no significant influence engineering students' age on engineering students' social intelligence.

**Fathers Employment:** The obtained 'F' value is 4.127 and it is not significant at 1% level. The value indicates that there is no significant influence of fathers' employment on engineering student's social intelligence.

**Mothers' employment:** The obtained 'F' value is 4.549 and it is not significant at 1% level. The value indicates that there is no significant influence of mothers' employment on engineering student's social intelligence.

**Total Family Income:** The obtained 'F' value is 7.995 and it is not significant at 1% level. The value indicates that there is no significant influence of family income on engineering students' social intelligence.

**Type of Family:** The obtained 't' value is 5.473 and it is significant at 1% level. The value indicates that there is significant influence of engineering students' family type towards social intelligence.

**Further,** the above mean table indicates that the engineering students living in nuclear family have scored higher mean value of 72.87 and the lowest mean was scored by the engineering students living in joint family 69.12. This shows that engineering students living in nuclear family are showing better social intelligence and engineering students living in joint family are little lacking in social intelligence.

**Therefore,** the formulated hypothesis  $H_0$ , that "there is no significant influence of engineering students' family type towards social intelligence is rejected.

**Family size:** The obtained 'f' value is 6.534 and it is not significant at 1% level. The value indicates that there is no significant influence of engineering students' family size towards their social intelligence .

**Native area:** The obtained 'F' value is 11.073 and it is not significant at 1% level. The value indicates that there is no significant influence of engineering students' native area towards their social intelligence. .

**Therefore, the formulated hypothesis  $H_0$ , that "there is no significant influence of engineering students native area towards social intelligence is accepted.**

## SUGGESTION

It is found that the major part of the demographic variables are not having heavy impact on social intelligence, in gender equal level of respondents is taken, regarding the total family income, the mean value shows 74.00 are under the medium income group with have high social intelligence and low mean value of 66.25 are under high income group with low social intelligence. And the mean value of 73.34 shows family size of 3 members has high level of social intelligence. These show that the students of nuclear family and the medium income group have good level of social intelligence it is suggested the people need societal interaction for better performance.

## CONCLUSION

Social intelligence is being a significant variable which is an important part in the development of individual personality. The main focus in this study is about the demographic variables whether it supports the undergraduate engineering students or not. From the analysis it shows that there is no significant influence of demographic variables towards social intelligence of undergraduate engineering students. Students need to be focused on their various personality traits by making themselves into societal relationship.

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