



**L** OVELY  
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**Academic Task Number: 02**

**Course code: MGN909**

**Course Title: Workshop on SPSS**

**Date of allotment: 11-10-22**

**Date of submission: 20-10-22**

**Maximum Marks: 30**

**Academic Task Type: OFFLINE**

**SUBMITTED TO**

**Dr. Mohd Nasir : 26795**

**SUBMITTED BY**

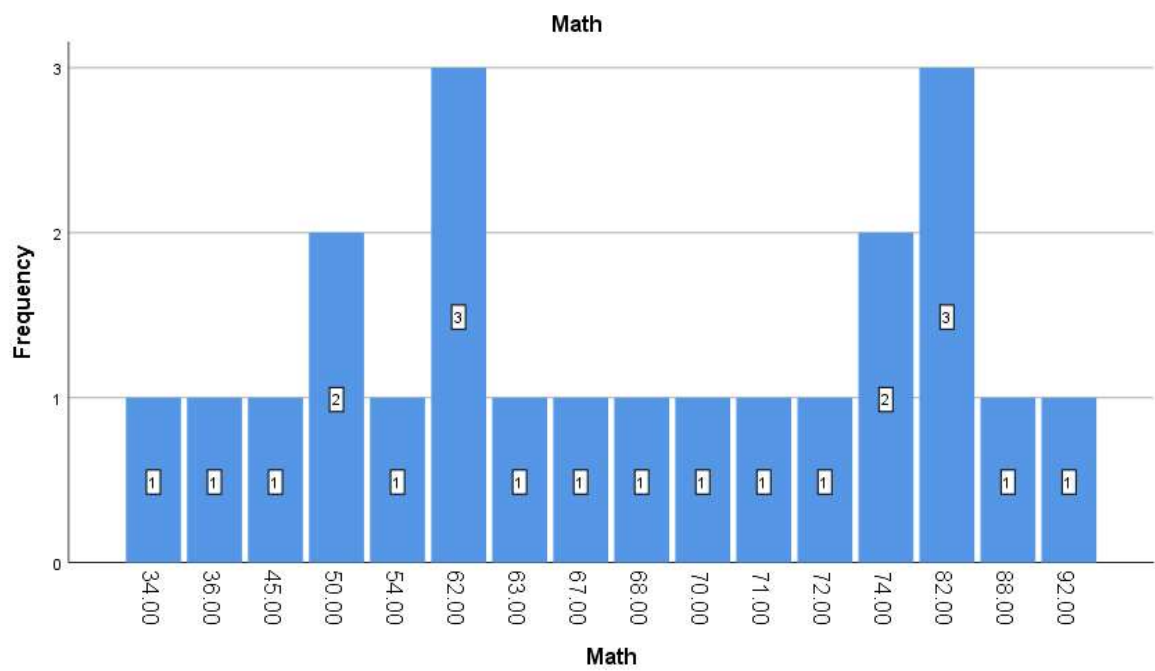
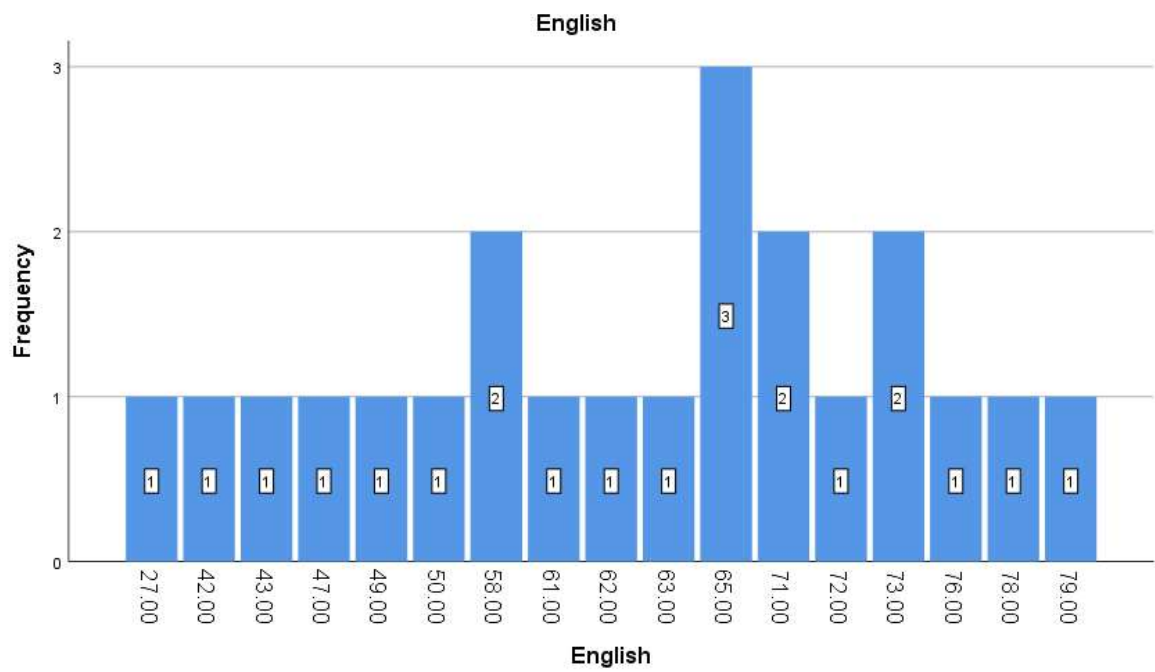
**Name of student: Pullela Harish Chowdary**

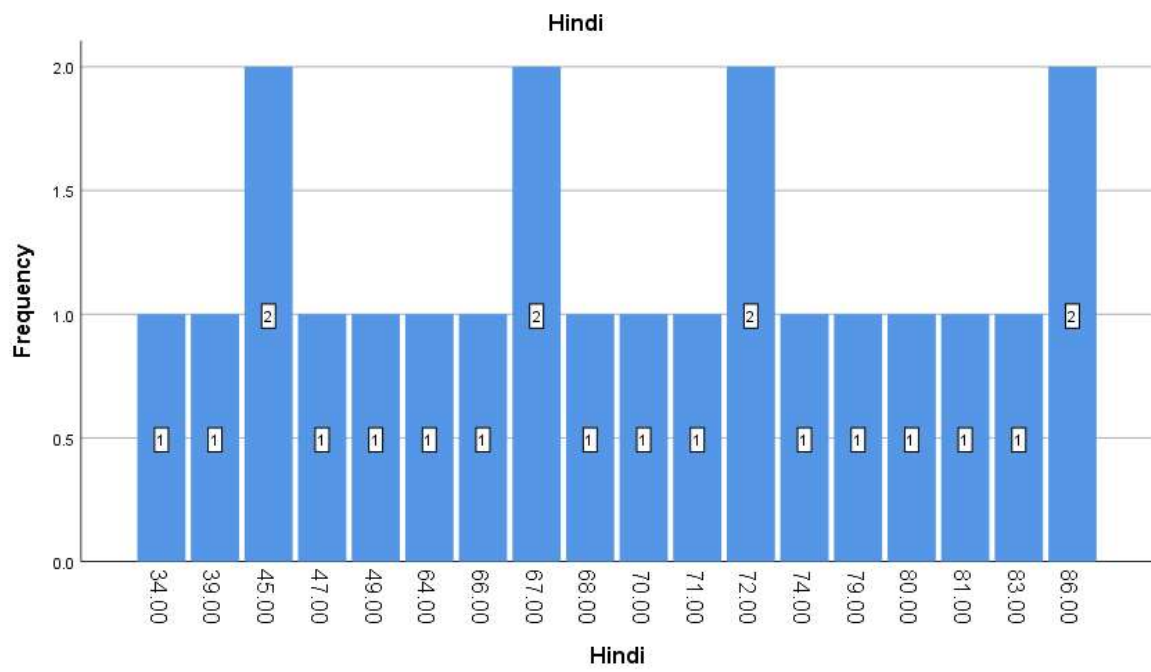
**Registration Number: 12002666**

### Statistics

		English	Hindi	Math
N	Valid	22	22	22
	Missing	78	78	78
Mean		61.2727	65.6818	65.4545
Median		64.0000	69.0000	67.5000
Mode		65.00	45.00 <sup>a</sup>	62.00 <sup>a</sup>
Std. Deviation		13.48432	15.65821	15.75021
Range		52.00	52.00	58.00
Maximum		79.00	86.00	92.00

a. Multiple modes exist. The smallest value is shown





### lunch \* education \* race Crosstabulation

Count

			education						Total
race			associate	bachelor'	high scho	master's	some coll	some high	
BUDHISM	lunch	free/reduced	2	1		1	0	0	4
		standard	3	0		1	3	1	8
	Total		5	1		2	3	1	12
CHRISTI	lunch	free/reduced	2	1	2	0	2	2	9
		standard	4	1	2	1	5	3	16
	Total		6	2	4	1	7	5	25
Hinduis	lunch	free/reduced	3	0		1	1	1	6
		standard	1	1		1	2	0	5
	Total		4	1		2	3	1	11
Muslim	lunch	free/reduced	3	0	2	0	3	1	9
		standard	4	1	1	1	4	2	13
	Total		7	1	3	1	7	3	22
SIKHISI	lunch	free/reduced	4	0	2	1	1	3	11
		standard	4	2	5	0	5	3	19
	Total		8	2	7	1	6	6	30
Total	lunch	free/reduced	14	2	6	3	7	7	39
		standard	16	5	8	4	19	9	61
	Total		30	7	14	7	26	16	100

### gender \* lunch \* education Crosstabulation

Count

			lunch		Total
education			free/reduced	standard	
associate	gender	female	5	10	15
		male	9	6	15
	Total		14	16	30
bachelor'	gender	female	0	4	4
		male	2	1	3
	Total		2	5	7
high scho	gender	female	2	2	4
		male	4	6	10
	Total		6	8	14
master's	gender	female	1	4	5
		male	2	0	2
	Total		3	4	7
some coll	gender	female	4	9	13
		male	3	10	13
	Total		7	19	26
some high	gender	female	4	5	9
		male	3	4	7
	Total		7	9	16
Total	gender	female	16	34	50
		male	23	27	50
	Total		39	61	100

**gender \* race \* lunch Crosstabulation**

				race					
lunch				BUDHISM	CHRISTI	Hinduis	Muslim	SIKHISI	Total
free/reduced	gender	female	Count	2	5	1	3	5	16
			% of Total	5.1%	12.8%	2.6%	7.7%	12.8%	41.0%
		male	Count	2	4	5	6	6	23
			% of Total	5.1%	10.3%	12.8%	15.4%	15.4%	59.0%
	Total	Count	4	9	6	9	11	39	
		% of Total	10.3%	23.1%	15.4%	23.1%	28.2%	100.0%	
standard	gender	female	Count	3	8	3	9	11	34
			% of Total	4.9%	13.1%	4.9%	14.8%	18.0%	55.7%
		male	Count	5	8	2	4	8	27
			% of Total	8.2%	13.1%	3.3%	6.6%	13.1%	44.3%
	Total	Count	8	16	5	13	19	61	
		% of Total	13.1%	26.2%	8.2%	21.3%	31.1%	100.0%	
Total	gender	female	Count	5	13	4	12	16	50
			% of Total	5.0%	13.0%	4.0%	12.0%	16.0%	50.0%
		male	Count	7	12	7	10	14	50
			% of Total	7.0%	12.0%	7.0%	10.0%	14.0%	50.0%
	Total	Count	12	25	11	22	30	100	
		% of Total	12.0%	25.0%	11.0%	22.0%	30.0%	100.0%	

### education \* race \* lunch Crosstabulation

				race					
lunch				BUDHISM	CHRISTI	Hinduis	Muslim	SIKHISI	Total
free/reduced	education	associate	Count	2	2	3	3	4	14
			% of Total	5.1%	5.1%	7.7%	7.7%	10.3%	35.9%
		bachelor'	Count	1	1	0	0	0	2
			% of Total	2.6%	2.6%	0.0%	0.0%	0.0%	5.1%
		high scho	Count	0	2	0	2	2	6
			% of Total	0.0%	5.1%	0.0%	5.1%	5.1%	15.4%
		master's	Count	1	0	1	0	1	3
			% of Total	2.6%	0.0%	2.6%	0.0%	2.6%	7.7%
		some coll	Count	0	2	1	3	1	7
			% of Total	0.0%	5.1%	2.6%	7.7%	2.6%	17.9%
		some high	Count	0	2	1	1	3	7
			% of Total	0.0%	5.1%	2.6%	2.6%	7.7%	17.9%
	Total	Count	4	9	6	9	11	39	
		% of Total	10.3%	23.1%	15.4%	23.1%	28.2%	100.0%	
standard	education	associate	Count	3	4	1	4	4	16
			% of Total	4.9%	6.6%	1.6%	6.6%	6.6%	26.2%
		bachelor'	Count	0	1	1	1	2	5
			% of Total	0.0%	1.6%	1.6%	1.6%	3.3%	8.2%
		high scho	Count	0	2	0	1	5	8
			% of Total	0.0%	3.3%	0.0%	1.6%	8.2%	13.1%
		master's	Count	1	1	1	1	0	4
			% of Total	1.6%	1.6%	1.6%	1.6%	0.0%	6.6%
		some coll	Count	3	5	2	4	5	19
			% of Total	4.9%	8.2%	3.3%	6.6%	8.2%	31.1%
		some high	Count	1	3	0	2	3	9
			% of Total	1.6%	4.9%	0.0%	3.3%	4.9%	14.8%
	Total	Count	8	16	5	13	19	61	
		% of Total	13.1%	26.2%	8.2%	21.3%	31.1%	100.0%	
Total	education	associate	Count	5	6	4	7	8	30
			% of Total	5.0%	6.0%	4.0%	7.0%	8.0%	30.0%
		bachelor'	Count	1	2	1	1	2	7
			% of Total	1.0%	2.0%	1.0%	1.0%	2.0%	7.0%
		high scho	Count	0	4	0	3	7	14



		% of Total	0.0%	4.0%	0.0%	3.0%	7.0%	14.0%
		master's Count	2	1	2	1	1	7
		% of Total	2.0%	1.0%	2.0%	1.0%	1.0%	7.0%
		some coll Count	3	7	3	7	6	26
		% of Total	3.0%	7.0%	3.0%	7.0%	6.0%	26.0%
		some high Count	1	5	1	3	6	16
		% of Total	1.0%	5.0%	1.0%	3.0%	6.0%	16.0%
		Total Count	12	25	11	22	30	100
		% of Total	12.0%	25.0%	11.0%	22.0%	30.0%	100.0%

**gender \* race Crosstabulation**

Count

		race					
		BUDHISM	CHRISTI	Hinduis	Muslim	SIKHISI	Total
gender	female	5	13	4	12	16	50
	male	7	12	7	10	14	50
Total		12	25	11	22	30	100

**Chi-Square Tests**

	Value	df	Asymptotic Significance (2- sided)
Pearson Chi-Square	1.507 <sup>a</sup>	4	.825
Likelihood Ratio	1.519	4	.823
N of Valid Cases	100		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 5.50.

### gender \* education Crosstabulation

Count

		education						Total
		associate	bachelor'	high scho	master's	some coll	some high	
gender	female	15	4	4	5	13	9	50
	male	15	3	10	2	13	7	50
Total		30	7	14	7	26	16	100

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)
Pearson Chi-Square	4.250 <sup>a</sup>	5	.514
Likelihood Ratio	4.379	5	.496
N of Valid Cases	100		

a. 4 cells (33.3%) have expected count less than 5. The minimum expected count is 3.50.

### gender \* lunch Crosstabulation

Count

		lunch		
		free/reduced	standard	Total
gender	female	16	34	50
	male	23	27	50
Total		39	61	100

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	2.060 <sup>a</sup>	1	.151		
Continuity Correction <sup>b</sup>	1.513	1	.219		
Likelihood Ratio	2.068	1	.150		
Fisher's Exact Test				.218	.109
N of Valid Cases	100				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 19.50.

b. Computed only for a 2x2 table

### race \* education Crosstabulation

Count

		education						Total
		associate	bachelor'	high scho	master's	some coll	some high	
race	BUDHISM	5	1	0	2	3	1	12
	CHRISTI	6	2	4	1	7	5	25
	Hinduis	4	1	0	2	3	1	11
	Muslim	7	1	3	1	7	3	22
	SIKHISI	8	2	7	1	6	6	30
Total		30	7	14	7	26	16	100

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)
Pearson Chi-Square	13.419 <sup>a</sup>	20	.859
Likelihood Ratio	15.598	20	.741
N of Valid Cases	100		

a. 24 cells (80.0%) have expected count less than 5. The minimum expected count is .77.

### race \* lunch Crosstabulation

Count

		lunch		
		free/reduced	standard	Total
race	BUDHISM	4	8	12
	CHRISTI	9	16	25
	Hinduis	6	5	11
	Muslim	9	13	22
	SIKHISI	11	19	30
Total		39	61	100

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)
Pearson Chi-Square	1.476 <sup>a</sup>	4	.831
Likelihood Ratio	1.448	4	.836
N of Valid Cases	100		

a. 2 cells (20.0%) have expected count less than 5. The minimum expected count is 4.29.

### education \* lunch Crosstabulation

Count

		lunch		
		free/reduced	standard	Total
education	associate	14	16	30
	bachelor'	2	5	7
	high scho	6	8	14
	master's	3	4	7
	some coll	7	19	26
	some high	7	9	16
Total		39	61	100

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)
Pearson Chi-Square	2.938 <sup>a</sup>	5	.709
Likelihood Ratio	3.017	5	.697
N of Valid Cases	100		

a. 4 cells (33.3%) have expected count less than 5. The minimum expected count is 2.73.