IF (EDUC=4 AND GRADUATE=3 AND CURRYR=1) YRSCH=13.
\* Encoding UTF-8.
TITLE 'KGSS2011\_PartialData.

## KGSS2011\_PartialData

TITLE 'For the Stats Class (ISS 2019)'.

```
* * * * * *
```

\* EDUC\_VariableConstruction

COMPUTE EDUCN=777.

IF (EDUC=00) EDUCN=1.

IF (EDUC=01) EDUCN=1.

IF (EDUC=02) EDUCN=1.

IF (EDUC=03) EDUCN=1.

IF (EDUC=04) EDUCN=1.

IF (EDUC=05) EDUCN=2.

IF (EDUC=06) EDUCN=2.

IF (EDUC=07) EDUCN=2.

IF (EDUC=08) EDUCN=1.

IF (EDUC=88) EDUCN=777.

MISSING VALUES EDUCN (777).

VARIABLE LABELS EDUCN 'FinalSchoolAttended\_Recode'd

VALUE LABELS EDUCN

1 'JuniorCollegeor Less'

2 '4yr College or Above'.

\* WorkIncome\_VariableConstruction RECODE RINCOMO (8888=9999). MISSING VALUES RINCOMO (9999).

\*\* Frequencies .
FREQ VAR=EDUCN RINCOMO
/ STATISTICS=ALL.

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	FREQ VAR=EDUCN RINCOM0 /STATISTICS=ALL.
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	FinalSchoolAtte nded_Recode d	R: monthly income from this job
N	1000	655
	0	345
	1.3870	286.50
	.01541	10.963
	1.0000	227.00
	1.00	300
	.48731	280.572
	.237	78720.734
	.465	4.274
	.077	.095
	- 1.788	31.298
	.155	.191
	1.00	3000
	1.00	0
	2.00	3000
	1387.00	187657

## FinalSchoolAttended\_Recoded

JuniorCollege or Less	613	61.3	61.3	61.3
4yr College or Above	387	38.7	38.7	100.0
	1000	100.0	100.0	

# R: monthly income from this job

No income	32	3.2	4.9	4.9
6	1	.1	.2	5.0
9	1	.1	.2	5.2
10	1	.1	.2	5.3
20	3	.3	.5	5.8
25	1	.1	.2	6.0
30	6	.6	.9	6.9
36	1	.1	.2	7.0
40	1	.1	.2	7.2
500,000 won	11	1.1	1.7	8.9
55	1	.1	.2	9.0
60	4	.4	.6	9.6
62	1	.1	.2	9.8
70	6	.6	.9	10.7
75	3	.3	.5	11.1
79	1	.1	.2	11.3
80	12	1.2	1.8	13.1
82	1	.1	.2	13.3
89	1	.1	.2	13.4
90	5	.5	.8	14.2
97	1	.1	.2	14.4
1,000,000 wor	50	5.0	7.6	22.0
105	1	.1	.2	22.1
107	1	.1	.2	22.3
110	3	.3	.5	22.7
120	14	1.4	2.1	24.9
125	2	.2	.3	25.2
130	14	1.4	2.1	27.3
135	3	.3	.5	27.8
140	6	.6	.9	28.7
1,500,000 wor		3.8	5.8	34.5
160	4	.4	.6	35.1
170	6	.6	.9	36.0
175	2	.2	.3	36.3
180	8	.8	1.2	37.6
185	1	.1	.2	37.7
190	1	.1	.2	37.9
2,000,000 wor		7.1	10.8	48.7
210	3	.3	.5	49.2

# R: monthly income from this job

220	4	.4	.6	49.8
225	1	.1	.2	49.9
227	1	.1	.2	50.1
230	4	.4	.6	50.7
240	2	.2	.3	51.0
2,500,000	) won 41	4.1	6.3	57.3
260	1	.1	.2	57.4
270	4	.4	.6	58.0
275	3	.3	.5	58.5
280	1	.1	.2	58.6
290	1	.1	.2	58.8
3,000,000	) won 76	7.6	11.6	70.4
320	7	.7	1.1	71.5
325	3	.3	.5	71.9
330	3	.3	.5	72.4
333	1	.1	.2	72.5
3,500,000	) won 22	2.2	3.4	75.9
375	3	.3	.5	76.3
380	1	.1	.2	76.5
4,000,000	) won 34	3.4	5.2	81.7
417	1	.1	.2	81.8
420	1	.1	.2	82.0
430	2	.2	.3	82.3
4,500,000	) won 13	1.3	2.0	84.3
475	3	.3	.5	84.7
5,000,000	) won 41	4.1	6.3	91.0
520	2	.2	.3	91.3
525	2	.2	.3	91.6
530	2	.2	.3	91.9
5,500,000	) won 3	.3	.5	92.4
560	1	.1	.2	92.5
575	1	.1	.2	92.7
580	1	.1	.2	92.8
6,000,000		.4	.6	93.4
6,500,000		.4	.6	94.0
660	1	.1	.2	94.2
7,000,000		.9	1.4	95.6
8,000,000		.4	.6	96.2
833	1	.1	.2	96.3

## R: monthly income from this job

8,500,000 won	1	.1	.2	96.5
9,000,000 won	2	.2	.3	96.8
10,000,000 won	13	1.3	2.0	98.8
1100	1	.1	.2	98.9
1500	3	.3	.5	99.4
2000	2	.2	.3	99.7
3000	2	.2	.3	100.0
	655	65.5	100.0	
NA	345	34.5		
	1000	100.0		

\*\* OneSample t - test T-TEST TESTVAL 300 /VARIABLES=RINCOM0.

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	N			_
R: monthly income from this job	655	286.50	280.572	10.963

	= 300					
		959				%
	t		( )			
R: monthly income from this job	- 1.231	654	.219	- 13.501	- 35.03	8.03

T

<sup>\*\*</sup> TwoSample t - test (Mean Diff Test).
T-TEST GROUPS EDUCN(1,2)
/ VARIABLES=RINCOM0.

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	T - TEST GROUPS EDUCN (1,2)
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	FinalSchoolAttended_Reco ded	N		
R: monthly income from	JuniorCollege or Less	380	217.56	198.799
this job	4yr College or Above	275	381.77	342.824

	FinalSchoolAttended_Reco	
R: monthly income from	JuniorCollege or Less	10.198
this job	4yr College or Above	20.673

		Levene			Т.	
		F		+		
R: monthly income from	가	17.310	.000	- 7.716	653	-
this job	가			- 7.124	406.193	

			1	Г
		( )		
R: monthly income from this job	가	.000	- 164.212	21.281
	가	.000	- 164.212	23.052

			Т
		95	%
R: monthly income from	가	- 205.999	- 122.425
this job —	가	- 209.527	- 118.897

\* \* \* \* \* \*

VARIABLE LABELS RINCOMON ' Monthly Work Income Recoded\_CategoricalVar.

VALUE LABELS RINCOMON

FREQ VAR=RINCOMON

<sup>\*\*</sup> CategoricalVariableof WorkIncome for Chi-Square Test.

IF (RINCOMO Œ 0000 AND RINCOMO LT 0200) RINCOMON=1.

IF (RINCOMO Œ 0200 AND RINCOMO LT 0300) RINCOMON=2.

IF (RINCOMO Œ 0300 AND RINCOMO LE 3000) RINCOMON=3.

<sup>1 &#</sup>x27;200-'

<sup>2 &#</sup>x27; 200\_300 - '

<sup>3 &#</sup>x27;300+'.

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	FREQ VAR=RINCOMON.
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#### Monthly Work Income Recoded\_CategoricalVar

Ν	655
	345

# Monthly Work Income Recoded\_CategoricalVar

200 -	248	24.8	37.9	37.9
200_300 -	137	13.7	20.9	58.8
300+	270	27.0	41.2	100.0
	655	65.5	100.0	
	345	34.5		
	1000	100.0		

\*\* Chi - Square Test.
CROSSTABS TABLES=RINCOMON BY EDUCN / CELLS=COUNT COLUMN EXPECTED

## / STATISTICS=CHISQ.

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	CROSSTABS TABLES=RINCOMON BY EDUCN /CELLS=COUNT COLUMN EXPECTED /STATISTICS=CHISQ.
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	N		N		N	
Monthly Work Income Recoded_CategoricalVar	655	65.5%	345	34.5%	1000	100.0%
FinalSchoolAttended_Reco ded						

# Monthly Work Income Recoded\_CategoricalVar \* FinalSchoolAttended\_Recoded

			FinalSchoolAtt	ended_Recoded
			JuniorCollege or Less	4yr College or Above
Monthly Work Income	200 -		196	52
Recoded_CategoricalVar			143.9	104.1
		FinalSchoolAttended_Reco ded %	51.6%	18.9%
	200_300 -		72	65
			79.5	57.5
		FinalSchoolAttended_Reco ded %	18.9%	23.6%
	300+		112	158
			156.6	113.4
		FinalSchoolAttended_Reco ded %	29.5%	57.5%
			380	275
			380.0	275.0
		FinalSchoolAttended_Reco ded %	100.0%	100.0%

# Monthly Work Income Recoded\_CategoricalVar \* FinalSchoolAttended\_Recoded

Monthly Work Income	200 -		248
Recoded_CategoricalVar			248.0
		FinalSchoolAttended_Reco ded %	37.9%
	200_300 -		137
			137.0
		FinalSchoolAttended_Reco ded %	20.9%
	300+		270
			270.0
		FinalSchoolAttended_Reco	41.2%
			655
			655.0
		FinalSchoolAttended_Reco ded %	100.0%

			(
Pearson	76.953 <sup>a</sup>	2	.000
	80.419	2	.000
	74.202	1	.000
	655		
2 0 (0.00() ( ) 5			7L

가 . 57.52 . a. 0 (0.0%) ( ) 5

- \*\* Creates New Categorical Var of EDUC for AQNOVA. COMPUTE EDUCNN=777.
- IF (EDUC=00) EDUCNN=1.
- IF (EDUC=01) EDUCNN=1.
- IF (EDUC=02) EDUCNN=1.
- IF (EDUC=03) EDUCNN=1.
- IF (EDUC=04) EDUCNN=2.
- IF (EDUC=05) EDUCNN=3. IF (EDUC=06) EDUCNN=3.
- IF (EDUC=07) EDUCNN=3. IF (EDUC=08) EDUCNN=1.
- IF (EDUC=88) EDUCNN=777.

MISSING VALUES EDUCNN (777). VARIABLE LABELS EDUCNN 'FinalSchoolAttended\_Recode'd

VALUE LABELS EDUCNN

- 1 'HighSch-'
- 2 'JrCollege'
- 3 '4yr College+'.

FREQ VAR=EDUCNN.

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	FREQ VAR=EDUCNN.
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#### FinalSchoolAttended\_Recoded

N	1000	
	0	

## FinalSchoolAttended\_Recoded

HighSch -	477	47.7	47.7	47.7
JrCollege	136	13.6	13.6	61.3
4yr College+	387	38.7	38.7	100.0
	1000	100.0	100.0	

\*\* ANOVA Test.

ONEWAY RINCOMO BY EDUCNN
/ POSTHOC=SCHEFFE
/ STATISTICS=DESCRIPTIVES

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	ONEWAY RINCOMO BY EDUCNN /POSTHOC=SCHEFFE
	/STATISTICS=DESCRIPTI VES.
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#### R: monthly income from this job

		- ,					
						95%	
	N						
HighSch -	293	205.40	210.775	12.314	181.16	229.63	0
JrCollege	87	258.51	145.349	15.583	227.53	289.48	0
4yr College+	275	381.77	342.824	20.673	341.07	422.47	0
	655	286.50	280.572	10.963	264.97	308.03	0

#### R: monthly income from this job

HighSch -	2000
JrCollege	650
4yr College+	3000
	3000

#### **ANOVA**

R: monthly income from this job

				F	
-	4491356.82	2	2245678.41	31.158	.000
-	46992002.9	652	72073.624		
	51483359.7	654			

#### : R: monthly income from this job

#### Scheffe

(I) FinalSchoolAttended_Reco ded	(J) FinalSchoolAttended_Reco ded	(I - J)		
HighSch -	JrCollege	- 53.110	32.778	.270
	4yr College+	- 176.371 <sup>*</sup>	22.540	.000
JrCollege	HighSch -	53.110	32.778	.270
	4yr College+	- 123.262 <sup>*</sup>	33.023	.001
4yr College+	HighSch -	176.371 *	22.540	.000
	JrCollege	123.262 *	33.023	.001

#### : R: monthly income from this job

#### Scheffe

(I) FinalSchoolAttended_Reco ded	(J) FinalSchoolAttended_Reco ded	95%	
HighSch -	JrCollege	- 133.53	27.31
	4yr College+	- 231.67	- 121.07
JrCollege	HighSch -	- 27.31	133.53
	4yr College+	- 204.28	- 42.24
4yr College+	HighSch -	121.07	231.67
	JrCollege	42.24	204.28

.050

#### R: monthly income from this job

## Scheffe<sup>a,b</sup>

FinalSchoolAttended Reco		= .050		
ded	N	1	2	
HighSch -	293	205.40		
JrCollege	87	258.51		
4yr College+	275		381.77	
		.206	1.000	

161.781 ( ) .1 b. 가

\* Years of Schooling\_VarConstruction COMPUTE YRSCH=777.

IF (EDUC=0) YRSCH=0.

IF (EDUC=8) YRSCH=0.

IF (EDUC=1 AND GRADUATE=1) YRSCH=06.

IF (EDUC=1 AND GRADUATE=2 AND DROPYR=1) YRSCH=01.

IF (EDUC=1 AND GRADUATE=2 AND DROPYR=2) YRSCH=02. IF (EDUC=1 AND GRADUATE=2 AND DROPYR=3) YRSCH=03.

IF (EDUC=1 AND GRADUATE=3 AND CURRYR=1) YRSCH=01.

IF (EDUC=1 AND GRADUATE=3 AND CURRYR=2) YRSCH=02.

IF (EDUC=1 AND GRADUATE=3 AND CURRYR=3) YRSCH=03.

```
IF (EDUC=1 AND GRADUATE=3 AND CURRYR=4) YRSCH=04.
IF (EDUC=2 AND GRADUATE=1) YRSCH=09.
IF (EDUC=2 AND GRADUATE=2 AND DROPYR=1) YRSCH=07.
IF (EDUC=2 AND GRADUATE=2 AND DROPYR=2) YRSCH=08.
IF (EDUC=2 AND GRADUATE=2 AND DROPYR=3) YRSCH=09.
IF (EDUC=2 AND GRADUATE=3 AND CURRYR=1) YRSCH=07.
IF (EDUC=2 AND GRADUATE=3 AND CURRYR=2) YRSCH=08.
IF (EDUC=2 AND GRADUATE=3 AND CURRYR=3) YRSCH=09.
IF (EDUC=3 AND GRADUATE=1) YRSCH=12.
IF (EDUC=3 AND GRADUATE=2 AND DROPYR=1) YRSCH=10.
IF (EDUC=3 AND GRADUATE=2 AND DROPYR=2) YRSCH=11.
IF (EDUC=3 AND GRADUATE=2 AND DROPYR=3) YRSCH=12.
IF (EDUC=3 AND GRADUATE=3 AND CURRYR=1) YRSCH=10.
IF (EDUC=3 AND GRADUATE=3 AND CURRYR=2) YRSCH=11.
IF (EDUC=3 AND GRADUATE=3 AND CURRYR=3) YRSCH=12.
IF (EDUC=4 AND GRADUATE=1) YRSCH=14.
IF (EDUC=4 AND GRADUATE=2 AND DROPYR=1) YRSCH=13.
IF (EDUC=4 AND GRADUATE=2 AND DROPYR=2) YRSCH=14.
IF (EDUC=4 AND GRADUATE=2 AND DROPYR=3) YRSCH=15.
IF (EDUC=4 AND GRADUATE=3 AND CURRYR=1) YRSCH=13.
IF (EDUC=4 AND GRADUATE=3 AND CURRYR=2) YRSCH=14.
IF (EDUC=4 AND GRADUATE=3 AND CURRYR=3) YRSCH=15.
IF (EDUC=5 AND GRADUATE=1) YRSCH=16.
IF (EDUC=5 AND GRADUATE=2 AND DROPYR=1) YRSCH=13.
IF (EDUC=5 AND GRADUATE=2 AND DROPYR=2) YRSCH=14.
IF (EDUC=5 AND GRADUATE=2 AND DROPYR=3) YRSCH=15.
IF (EDUC=5 AND GRADUATE=2 AND DROPYR=4) YRSCH=16.
IF (EDUC=5 AND GRADUATE=3 AND CURRYR=1) YRSCH=13.
IF (EDUC=5 AND GRADUATE=3 AND CURRYR=2) YRSCH=14.
IF (EDUC=5 AND GRADUATE=3 AND CURRYR=3) YRSCH=15.
IF (EDUC=5 AND GRADUATE=3 AND CURRYR=4) YRSCH=16.
IF (EDUC=6 AND GRADUATE=1) YRSCH=18.
IF (EDUC=6 AND GRADUATE=2 AND DROPYR=1) YRSCH=17.
IF (EDUC=6 AND GRADUATE=2 AND DROPYR=2) YRSCH=18.
IF (EDUC=6 AND GRADUATE=2 AND DROPYR=3) YRSCH=18.
IF (EDUC=6 AND GRADUATE=2 AND DROPYR=4) YRSCH=18.
IF (EDUC=6 AND GRADUATE=3 AND CURRYR=1) YRSCH=17.
IF (EDUC=6 AND GRADUATE=3 AND CURRYR=2) YRSCH=18.
IF (EDUC=6 AND GRADUATE=3 AND CURRYR=3) YRSCH=18.
IF (EDUC=6 AND GRADUATE=3 AND CURRYR=4) YRSCH=18.
IF (EDUC=7 AND GRADUATE=1) YRSCH=20.
IF (EDUC=7 AND GRADUATE=2 AND DROPYR=1) YRSCH=19.
IF (EDUC=7 AND GRADUATE=2 AND DROPYR=2) YRSCH=20.
IF (EDUC=7 AND GRADUATE=2 AND DROPYR=3) YRSCH=20.
IF (EDUC=7 AND GRADUATE=2 AND DROPYR=4) YRSCH=20.
IF (EDUC=7 AND GRADUATE=3 AND CURRYR=1) YRSCH=19.
IF (EDUC=7 AND GRADUATE=3 AND CURRYR=2) YRSCH=20.
IF (EDUC=7 AND GRADUATE=3 AND CURRYR=3) YRSCH=20.
IF (EDUC=7 AND GRADUATE=3 AND CURRYR=4) YRSCH=20.
VARIABLE LABELS YRSCH 'YearsOfSchooling.
MISSING VALUES YRSCH (777).
```

## FREQ VAR=YRSCH.

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#### YearsOfSchooling

N	990	
	10	

## YearsOfSchooling

.00	18	1.8	1.8	1.8
1.00	2	.2	.2	2.0
2.00	2	.2	.2	2.2
3.00	2	.2	.2	2.4
6.00	56	5.6	5.7	8.1
7.00	2	.2	.2	8.3
8.00	8	.8	.8	9.1
9.00	58	5.8	5.9	14.9
10.00	3	.3	.3	15.3
11.00	2	.2	.2	15.5
12.00	314	31.4	31.7	47.2
13.00	14	1.4	1.4	48.6
14.00	142	14.2	14.3	62.9
15.00	8	.8	.8	63.7
16.00	278	27.8	28.1	91.8
17.00	1	.1	.1	91.9
18.00	66	6.6	6.7	98.6
19.00	1	.1	.1	98.7
20.00	13	1.3	1.3	100.0
	990	99.0	100.0	
777.00	10	1.0		
	1000	100.0		

<sup>\*\*</sup> Correlation Test.
CORRELATIONS VARIABLES=YRSCH RINCOMO.

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		YearsOfSchooli ng	R: monthly income from this job
YearsOfSchooling	Pearson	1	.326
	( )		.000
	N	990	649
R: monthly income from this job	Pearson	.326	1
	( )	.000	
	N	649	655

\*\* SimpleRegression
REGRESSION VARIABLES=YRSCH RINCOM0
/ DESCRIPTIVES=MEAN STDDEV CORR
/ DEP=RINCOM0
/ ENTER.

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			N
YearsOfSchooling	13.4961	3.39304	649
R: monthly income from this job	288.39	281.118	649

Pearson YearsOfSchooling 1.000 .326
R: monthly income from this job

1.000 .326
R: monthly income from this job

- a. : R: monthly income from this job
- b. 가

	R	R	R	
1	.326 <sup>a</sup>	.106	.105	265.970

a. : ( ), YearsOfSchooling

## **ANOVA**<sup>a</sup>

				F	
1	5440945.08	1	5440945.08	76.915	.000 b
	45768865.7	647	70740.132		
	51209810.8	648			

- a. : R: monthly income from this job
- b. : ( ), YearsOfSchooling

а

		В			t	
1	( )	- 76.084	42.850		- 1.776	.076
	YearsOfSchooling	27.006	3.079	.326	8.770	.000

a. : R: monthly income from this job