



13-19 Ocak 2014/ ANTALYA

## Ki Kare Testi (Chi - Square)

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**Gölkisar Meslek Yüksekokulu / Ormancılık**  
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	ornalan	veggru	yuk		der	kum	toz	kil	pH	kirec		
1	oa1	1			20,5	61,860813704497	29,663811563169	8,475374732334	7,8	9,2275642398		
2	oa2	2			7,2	29,822784810127	34,025316455696	36,151898734177	7,8	,7762025316		
3	oa3	1			32,8	73,637866265965	19,771600300526	6,590533433509	7,6	17,5418031555		
4	oa4	2			26,5	17,656884875847	23,224981188864	59,118133935290	7,2	,7706471030		
5	oa5	2			22,0	16,199280945044	23,045197740113	60,755521314843	7,8	3,0377760657		
6	oa6	2		75	40	41,1	6,810186400630	14,496193226569	78,693620372801	7,0	0E-	
7	oa7	2		55	70	26,0	25,144827586207	14,555172413793	60,300000000000	7,3	0E-	
8	oa8	2		65	80	15,8	70,049977116705	12,274599542334	17,675423340961	6,8	0E-	
9	oa9	2		20	20	33,1	22,732872614750	23,197008767406	54,070118617844	7,1	,7697189272	
10	oa10	2		55	50	27,4	21,726239382239	24,954440154440	53,319320463321	7,1	,7590308880	
11	oa11	2		90	90	7,7	64,233459664321	23,643746616134	12,122793719545	7,8	6,2440985381	
12	oa12	1		60	80	10,0	30,532226415094	31,924528301887	37,543245283019	7,8	2,3198490566	
13	oa13	1		60	80	14,9	39,433948620362	30,677450047574	29,888601332065	7,9	2,3884586108	
14	oa14	2		45	10	76,0	59,078533724340	20,835777126100	20,085689149560	7,6	3,0211876832	
15	oa15	2		20	30	34,8	50,948115394985	22,824480992181	26,227403612834	7,9	20,3345376112	
16	oa16	2		30	30	82,9	29,889369369369	25,081081081081	45,229549549550	7,7	3,0306306306	
17	oa17	1		10	70	17,1	60,295554565702	27,690868596882	12,013576837417	7,4	1,5442984409	
18	oa18	2		45	0	72,7	46,740509832484	24,926438455936	28,333051711581	7,1	0E-	
19	oa19	2	1140	,370590480194	60	0	72,3	17,641870987466	29,087129318251	53,270999694283	7,5	0E-
20	oa20	2	1056	,982962913648	20	70	9,9	35,656000000000	31,500000000000	32,844000000000	7,6	,7560000000
21	oa21	2	895	,066987297958	50	10	56,2	38,436795052010	16,616249648580	44,946955299410	7,9	0E-
22	oa22	2	874	,370590480194	25	10	77,1	16,417383177570	28,793224299065	54,789392523365	7,8	25,9653183411
23	oa23	3	407	,370590480194	40	10	76,3	20,700317674890	29,495099695843	49,804582629267	7,4	6,0780973301
24	oa24	3	514	,370590480194	13	10	66,6	26,532426201856	21,208883890919	52,258689907225	7,5	4,5917233623
25	oa25	3	618	,249999999482	10	10	66,5	45,393842841765	22,725511302476	31,880645855759	7,6	17,5635737351
26	oa26	3	682	,629409521540	15	0	22,0	33,506751722378	14,710895636642	51,782352640980	7,5	0E-
27	oa27	2	650	,933913791144	25	20	8,7	66,459048518620	48,289489555648	45,5237559415734	7,8	25,6756977705

Visible: 27 of 27 Variables



	ornalan	veggru	yuksst	radinx	egim	yuztas	topder	kum	toz	kil	pH
1	oa1	1	1462	,066987297958	95	90	20,5	61,860813704497	29,663811563169	8,475374732334	7,8
2	oa2	2	1545	,982962913648	10	60	7,2	29,822784810127	34,025316455696	36,151898734177	7,8
3	oa3	1	1485	,066987297958						6,590533433509	7,6
4	oa4	2	1089	,9330127011						59,118133935290	7,2
5	oa5	2	1224	,982962913648						60,755521314843	7,8
6	oa6	2	1010	,066987297958						78,693620372801	7,0
7	oa7	2	1030	,982962913648						60,300000000000	7,3
8	oa8	2	1028	,982962913648						17,675423340961	6,8
9	oa9	2	990	,629409521540						54,070118617844	7,1
10	oa10	2	950	,2499999994						53,319320463321	7,1
11	oa11	2	1350	,066987297958						12,122793719545	7,8
12	oa12	1	1365	,066987297958						37,543245283019	7,8
13	oa13	1	1440	,3705904801						29,888601332065	7,9
14	oa14	2	1160	,3705904801						20,085689149560	7,6
15	oa15	2	1122	,982962913648						26,227403612834	7,9
16	oa16	2	1170	,629409521540						45,229549549550	7,7
17	oa17	1	1457	,2499999994						12,013576837417	7,4
18	oa18	2	1007	,3705904801						28,333051711581	7,1
19	oa19	2	1140	,3705904801						53,270999694283	7,5
20	oa20	2	1056	,982962913648						32,844000000000	7,6
21	oa21	2	895	,066987297958						44,946955299410	7,9
22	oa22	2	874	,370590480194	25	10	77,1	16,417303177370	20,753224299009	54,789392523365	7,8
23	oa23	3	407	,370590480194	40	10	76,3	20,700317674890	29,495099695843	49,804582629267	7,4
24	oa24	3	514	,370590480194	13	10	66,6	26,532426201856	21,208883890919	52,258689907225	7,5
25	oa25	3	618	,249999999482	10	10	66,5	45,393842841765	22,725511302476	31,880645855759	7,6
26	oa26	3	682	,629409521540	15	0	22,0	33,506751722378	14,710895636642	51,782352640980	7,5
27	oa27	2	652	,933012701144	25	20	8,7	66,159940549090	19,393492555540	15,537555915734	7,0

**Crosstabs**

- ornanalan
- yüksst
- radinx
- egim
- yuztas
- topder
- kum
- toz
- kil
- pH
- kirec
- orgmad
- zyyprz

Row(s):

- krctas
- konglo
- kirec

Column(s):

- veggru

Exact...

Statistics...

Cells...

Format...

Bootstrap...

Layer 1 of 1

Previous      Next

Display layer variables in table layers

Display clustered bar charts

Suppress tables

OK    Paste    Reset    Cancel    Help



	ornalan	veggru	yukslt	radinx	egim	yuztas	topder	kum	toz	kil	pH	
1	oa1	1	1462	,066987297958	95	90	20,5	61,860813704497	29,663811563169	8,475374732334	7,8	
2	oa2	2	1545	,982962913648	10	60	7,2	29,822784810127	34,025316455696	36,151898734177	7,8	
3	oa3	1	1485	,066987297958						6,590533433509	7,6	
4	oa4	2	1089	,9330127011						59,118133935290	7,2	
5	oa5	2	1224	,9829629136						60,755521314843	7,8	
6	oa6	2	1010	,0669872979						78,693620372801	7,0	
7	oa7	2	1030	,9829629136						60,300000000000	7,3	
8	oa8	2	1028	,9829629136						17,675423340961	6,8	
9	oa9	2	990	,6294095215						54,070118617844	7,1	
10	oa10	2	950	,2499999994						53,319320463321	7,1	
11	oa11	2	1350	,0669872979						12,122793719545	7,8	
12	oa12	1	1365	,0669872979						37,543245283019	7,8	
13	oa13	1	1440	,3705904801						29,888601332065	7,9	
14	oa14	2	1160	,3705904801						20,085689149560	7,6	
15	oa15	2	1122	,9829629136						26,227403612834	7,9	
16	oa16	2	1170	,6294095215						45,229549549550	7,7	
17	oa17	1	1457	,2499999994						12,013576837417	7,4	
18	oa18	2	1007	,3705904801						28,333051711581	7,1	
19	oa19	2	1140	,3705904801						53,270999694283	7,5	
20	oa20	2	1056	,9829629136						32,844000000000	7,6	
21	oa21	2	895	,0669872979						44,946955299410	7,9	
22	oa22	2	874	,3705904801	20	10	77,1	18,417303177370	20,750224299000	54,789392523365	7,8	
23	oa23	3	407	,3705904801	194	40	10	76,3	20,700317674890	29,495099695843	49,804582629267	7,4
24	oa24	3	514	,3705904801	194	13	10	66,6	26,532426201856	21,208883890919	52,258689907225	7,5
25	oa25	3	618	,2499999994	82	10	10	66,5	45,393842841765	22,725511302476	31,880645855759	7,6
26	oa26	3	682	,6294095215	40	15	0	22,0	33,506751722378	14,710895636642	51,782352640980	7,5
27	oa27	2	652	,9829629136	144	20	0,7	66,459949549000	19,393492555549	45,53755945734	7,9	

**Crosstabs**

- ornaln
- yukslt
- radinx
- egim
- yuztas
- topder
- kum
- toz
- kil
- pH
- kirec
- orgmad
- zyprz

**Crosstabs: Statistics**

Chi-square  Correlations

**Nominal**

Contingency coefficient

Phi and Cramer's V

Lambda

Uncertainty coefficient

**Ordinal**

Gamma

Somers' d

Kendall's tau-b

Kendall's tau-c

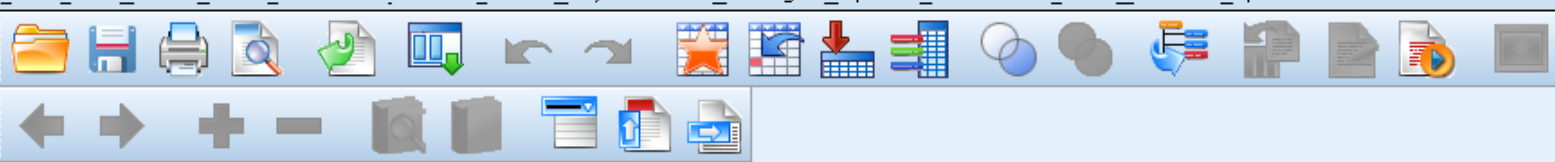
**Nominal by Interval**

Eta  Kappa

Risk  McNemar

Cochran's and Mantel-Haenszel statistics

Test common odds ratio equals:



- Chi-Square
- duzarz \* veggru
  - Title
  - Crosstab
  - Chi-Square
- ondule \* veggru
  - Title
  - Crosstab
  - Chi-Square
- icbuky \* veggru
  - Title
  - Crosstab
  - Chi-Square
- yamkon \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 1,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 2,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 3,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 4,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 5,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square

3,000000 * veggru	80	100,0%	0	0,0%	80	100,0%
4,000000 * veggru	80	100,0%	0	0,0%	80	100,0%
5,000000 * veggru	80	100,0%	0	0,0%	80	100,0%

### krctas \* veggru

#### Crosstab

Count

		veggru			Total
		1	2	3	
krctas	0	0	17	19	36
	1	20	22	2	44
Total		20	39	21	80

#### Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	33,942 <sup>a</sup>	2	,000
Likelihood Ratio	43,471	2	,000
Linear-by-Linear Association	33,496	1	,000
N of Valid Cases	80		

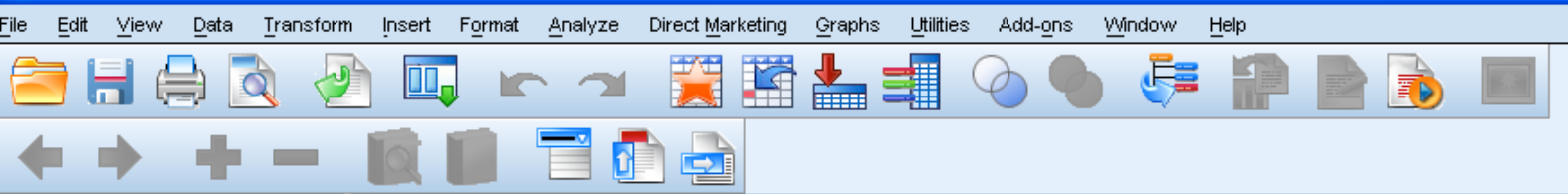
a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 9,00.

### konglo \* veggru

#### Crosstab

Count

		veggru			Total
		1	2	3	
konglo	0				
	1				
Total					



- Chi-Square
- duzarz \* veggru
  - Title
  - Crosstab
  - Chi-Square
- ondule \* veggru
  - Title
  - Crosstab
  - Chi-Square
- icbuky \* veggru
  - Title
  - Crosstab
  - Chi-Square
- yamkon \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 1,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 2,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 3,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 4,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 5,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square

N of Valid Cases 80

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 6,00.

### disbky \* veggru

#### Crosstab

Count

		veggru			Total
		1	2	3	
disbky	0	14	29	20	63
	1	6	10	1	17
Total		20	39	21	80

#### Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	4,776 <sup>a</sup>	2	,092
Likelihood Ratio	5,882	2	,053
Linear-by-Linear Association	3,912	1	,048
N of Valid Cases	80		

a. 2 cells (33,3%) have expected count less than 5. The minimum expected count is 4,25.

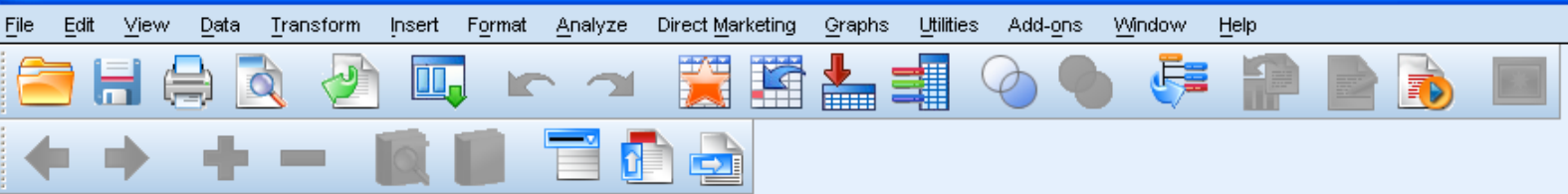
### duzarz \* veggru

#### Crosstab

Count

		veggru			Total
		1	2	3	
duzarz	0				
	1				
Total					





- Chi-Square
- duzarz \* veggru
  - Title
  - Crosstab
  - Chi-Square
- ondule \* veggru
  - Title
  - Crosstab
  - Chi-Square
- icbuky \* veggru
  - Title
  - Crosstab
  - Chi-Square
- yamkon \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 1,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 2,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 3,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 4,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square
- 5,000000 \* veggru
  - Title
  - Crosstab
  - Chi-Square

N of Valid Cases	80		
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a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 6,50.

### ondule \* veggru

#### Crosstab

Count

		veggru			Total
		1	2	3	
ondule	0	14	28	13	55
	1	6	11	8	25
Total		20	39	21	80

#### Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	,641 <sup>a</sup>	2	,726
Likelihood Ratio	,628	2	,730
Linear-by-Linear Association	,319	1	,572
N of Valid Cases	80		

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 6,25.

### icbuky \* veggru

#### Crosstab

Count



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# Teşekkür ederim