



13-19 Ocak 2014/ ANTALYA

Kruskal - Wall H Testi

Eğitmen

Yrd. Doç. Dr. Özdemir ŞENTÜRK
Mehmet Akif Ersoy Üniversitesi
Göhlisar Meslek Yüksekokulu
Ormancılık Bölümü



Dosya Giriş Ekle Sayfa Düzeni Formüller Veri Gözden Geçir Görünüm Acrobat

Yapıştır Pano Yazı Tipi Hizalama Sayı Stiller Hücreler

Arial Tur 10 Metni Kaydır Genel

K T A Birleştir ve Ortala % , ,00 ,00

Koşullu Biçimlendirme Tablo Olarak Biçimlendir Hücre Stilleri Ekle Sil Biçim



B1 fx veggru

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V |
|----|---------|--------|--------|-------------|------|--------|--------|-------|-------|-------|-----|-------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| 1 | ornalan | veggru | lukslt | radinx | egim | yuztas | topder | kum | toz | kil | pH | kirec | orgmad | zyyprz | krctas | konglo | karsk | disbky | duzarz | ondule | icbuky | yamkon |
| 2 | oa1 | 1 | 1462 | 0,066987298 | 95 | 90 | 20,50 | 61,86 | 29,66 | 8,48 | 7,8 | 9,23 | 19,18 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| 3 | oa2 | 2 | 1545 | 0,982962914 | 10 | 60 | 7,19 | 29,82 | 34,03 | 36,15 | 7,8 | 0,78 | 8,56 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 4 | oa3 | 1 | 1485 | 0,066987298 | 80 | 60 | 32,81 | 73,64 | 19,77 | 6,59 | 7,6 | 17,54 | 23,45 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| 5 | oa4 | 2 | 1089 | 0,933012701 | 60 | 30 | 26,48 | 17,66 | 23,22 | 59,12 | 7,2 | 0,77 | 9,54 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 |
| 6 | oa5 | 2 | 1224 | 0,982962914 | 25 | 60 | 22,04 | 16,20 | 23,05 | 60,76 | 7,8 | 3,04 | 3,49 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| 7 | oa6 | 2 | 1010 | 0,066987298 | 75 | 40 | 41,12 | 6,81 | 14,50 | 78,69 | 7,0 | 0,00 | 3,26 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 4 |
| 8 | oa7 | 2 | 1030 | 0,982962914 | 55 | 70 | 26,04 | 25,14 | 14,56 | 60,30 | 7,3 | 0,00 | 4,84 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 |
| 9 | oa8 | 2 | 1028 | 0,982962914 | 65 | 80 | 15,76 | 70,05 | 12,27 | 17,68 | 6,8 | 0,00 | 4,40 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| 10 | oa9 | 2 | 990 | 0,629409522 | 20 | 20 | 33,12 | 22,73 | 23,20 | 54,07 | 7,1 | 0,77 | 8,06 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 |
| 11 | oa10 | 2 | 950 | 0,249999999 | 55 | 50 | 27,40 | 21,73 | 24,95 | 53,32 | 7,1 | 0,76 | 8,98 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 4 |
| 12 | oa11 | 2 | 1350 | 0,066987298 | 90 | 90 | 7,68 | 64,23 | 23,64 | 12,12 | 7,8 | 6,24 | 8,22 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 13 | oa12 | 1 | 1365 | 0,066987298 | 60 | 80 | 10,04 | 30,53 | 31,92 | 37,54 | 7,8 | 2,32 | 6,76 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| 14 | oa13 | 1 | 1440 | 0,37059048 | 60 | 80 | 14,92 | 39,43 | 30,68 | 29,89 | 7,9 | 2,39 | 6,02 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| 15 | oa14 | 2 | 1160 | 0,37059048 | 45 | 10 | 76,00 | 59,08 | 20,84 | 20,09 | 7,6 | 3,02 | 9,17 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 |
| 16 | oa15 | 2 | 1122 | 0,982962914 | 20 | 30 | 34,84 | 50,95 | 22,82 | 26,23 | 7,9 | 20,33 | 3,26 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| 17 | oa16 | 2 | 1170 | 0,629409522 | 30 | 30 | 82,92 | 29,69 | 25,08 | 45,23 | 7,7 | 3,03 | 4,20 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| 18 | oa17 | 1 | 1457 | 0,249999999 | 10 | 70 | 17,12 | 60,30 | 27,69 | 12,01 | 7,4 | 1,54 | 12,62 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| 19 | oa18 | 2 | 1007 | 0,37059048 | 45 | 0 | 72,72 | 46,74 | 24,93 | 28,33 | 7,1 | 0,00 | 4,76 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 4 |
| 20 | oa19 | 2 | 1140 | 0,37059048 | 60 | 0 | 72,32 | 17,64 | 29,09 | 53,27 | 7,5 | 0,00 | 3,11 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 |
| 21 | oa20 | 2 | 1056 | 0,982962914 | 20 | 70 | 9,88 | 35,66 | 31,50 | 32,84 | 7,6 | 0,76 | 6,25 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| 22 | oa21 | 2 | 895 | 0,066987298 | 50 | 10 | 56,20 | 38,44 | 16,62 | 44,95 | 7,9 | 0,00 | 7,21 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| 23 | oa22 | 2 | 874 | 0,37059048 | 25 | 10 | 77,12 | 16,42 | 28,79 | 54,79 | 7,8 | 25,97 | 1,61 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 3 |
| 24 | oa23 | 3 | 407 | 0,37059048 | 40 | 10 | 76,28 | 20,70 | 29,50 | 49,80 | 7,4 | 6,08 | 6,14 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 4 |
| 25 | oa24 | 3 | 514 | 0,37059048 | 13 | 10 | 66,60 | 26,53 | 21,21 | 52,26 | 7,5 | 4,59 | 6,40 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 |
| 26 | oa25 | 3 | 618 | 0,249999999 | 10 | 10 | 66,48 | 45,39 | 22,73 | 31,88 | 7,6 | 17,56 | 5,54 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 |
| 27 | oa26 | 3 | 682 | 0,629409522 | 15 | 0 | 22,04 | 33,51 | 14,71 | 51,78 | 7,5 | 0,00 | 2,70 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 28 | oa27 | 3 | 652 | 0,933012701 | 25 | 30 | 8,72 | 66,16 | 18,30 | 15,54 | 7,9 | 25,68 | 4,37 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 29 | oa28 | 3 | 597 | 0,629409522 | 10 | 10 | 72,20 | 46,18 | 16,79 | 37,03 | 7,5 | 22,71 | 5,60 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 4 |
| 30 | oa29 | 3 | 560 | 0,249999999 | 75 | 10 | 84,80 | 53,70 | 20,45 | 25,85 | 7,7 | 54,59 | 1,78 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 |
| 31 | oa30 | 3 | 700 | 0,249999999 | 35 | 20 | 49,48 | 35,71 | 20,98 | 43,30 | 7,5 | 3,03 | 6,34 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 |

Yapıştır Pano Yazı Tipi Hizalama Sayı Genel Birleştir ve Ortala Metni Kaydır

Koşullu Biçimlendirme Tablo Olarak Biçimlendir Hücre Stilleri Ekle Sil Biçim Hücreler



V1 yamkon

| | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA |
|----|------|--------|--------|-------|-------|-------|-----|-------|--------|--------|--------|--------|-------|--------|---------|--------|--------|--------|---|---|---|---|----|
| 1 | egim | yuztas | topder | kum | toz | kil | pH | kirec | orgmad | zyzprz | krctas | konglo | karsk | disbky | duzarsz | ondule | icbuky | yamkon | 1 | 2 | 3 | 4 | 5 |
| 2 | 95 | 90 | 20,50 | 61,86 | 29,66 | 8,48 | 7,8 | 9,23 | 19,18 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 3 | 10 | 60 | 7,19 | 29,82 | 34,03 | 36,15 | 7,8 | 0,78 | 8,56 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 4 | 80 | 60 | 32,81 | 73,64 | 19,77 | 6,59 | 7,6 | 17,54 | 23,45 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 5 | 60 | 30 | 26,48 | 17,66 | 23,22 | 59,12 | 7,2 | 0,77 | 9,54 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 |
| 6 | 25 | 60 | 22,04 | 16,20 | 23,05 | 60,76 | 7,8 | 3,04 | 3,49 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 7 | 75 | 40 | 41,12 | 6,81 | 14,50 | 78,69 | 7,0 | 0,00 | 3,26 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| 8 | 55 | 70 | 26,04 | 25,14 | 14,56 | 60,30 | 7,3 | 0,00 | 4,84 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 |
| 9 | 65 | 80 | 15,76 | 70,05 | 12,27 | 17,68 | 6,8 | 0,00 | 4,40 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 10 | 20 | 20 | 33,12 | 22,73 | 23,20 | 54,07 | 7,1 | 0,77 | 8,06 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 11 | 55 | 50 | 27,40 | 21,73 | 24,95 | 53,32 | 7,1 | 0,76 | 8,98 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| 12 | 90 | 90 | 7,68 | 64,23 | 23,64 | 12,12 | 7,8 | 6,24 | 8,22 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 13 | 60 | 80 | 10,04 | 30,53 | 31,92 | 37,54 | 7,8 | 2,32 | 6,76 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 |
| 14 | 60 | 80 | 14,92 | 39,43 | 30,68 | 29,89 | 7,9 | 2,39 | 6,02 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 15 | 45 | 10 | 76,00 | 59,08 | 20,84 | 20,09 | 7,6 | 3,02 | 9,17 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 16 | 20 | 30 | 34,84 | 50,95 | 22,82 | 26,23 | 7,9 | 20,33 | 3,26 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 17 | 30 | 30 | 82,92 | 29,69 | 25,08 | 45,23 | 7,7 | 3,03 | 4,20 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 |
| 18 | 10 | 70 | 17,12 | 60,30 | 27,69 | 12,01 | 7,4 | 1,54 | 12,62 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| 19 | 45 | 0 | 72,72 | 46,74 | 24,93 | 28,33 | 7,1 | 0,00 | 4,76 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| 20 | 60 | 0 | 72,32 | 17,64 | 29,09 | 53,27 | 7,5 | 0,00 | 3,11 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| 21 | 20 | 70 | 9,88 | 35,66 | 31,50 | 32,84 | 7,6 | 0,76 | 6,25 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 22 | 50 | 10 | 56,20 | 38,44 | 16,62 | 44,95 | 7,9 | 0,00 | 7,21 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 23 | 25 | 10 | 77,12 | 16,42 | 28,79 | 54,79 | 7,8 | 25,97 | 1,61 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 0 |
| 24 | 40 | 10 | 76,28 | 20,70 | 29,50 | 49,80 | 7,4 | 6,08 | 6,14 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| 25 | 13 | 10 | 66,60 | 26,53 | 21,21 | 52,26 | 7,5 | 4,59 | 6,40 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 |
| 26 | 10 | 10 | 66,48 | 45,39 | 22,73 | 31,88 | 7,6 | 17,56 | 5,54 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 27 | 15 | 0 | 22,04 | 33,51 | 14,71 | 51,78 | 7,5 | 0,00 | 2,70 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 28 | 25 | 30 | 8,72 | 66,16 | 18,30 | 15,54 | 7,9 | 25,68 | 4,37 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 29 | 10 | 10 | 72,20 | 46,18 | 16,79 | 37,03 | 7,5 | 22,71 | 5,60 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| 30 | 75 | 10 | 84,80 | 53,70 | 20,45 | 25,85 | 7,7 | 54,59 | 1,78 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 |
| 31 | 35 | 20 | 49,48 | 35,71 | 20,98 | 43,30 | 7,5 | 3,03 | 6,34 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 |



2:

| | var | var | var | var | var | var | var | var | var | var | var | var | var |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | |

Open Data [X]

Look in: Vanalitik

- CVM_new.xls
- Vejetasyon Proje Katilim Listesi.xlsx

File name: CVM_new.xls

Files of type: Excel (*.xls, *.xlsx, *.xlsm)

Minimize string widths based on observed values

Retrieve File From Repository...

Open Paste Cancel Help



Visible: 27 of 27 Variables

| | ornalan | veggru | yukslt | radinx | egim | yuztas | topder | kum | toz | kil | pH | kirec |
|----|---------|--------|--------|---------------|------|--------|--------|-----------------|-----------------|-----------------|-----|---------------|
| 1 | oa1 | 1 | 1462 | ,066987297958 | 95 | 90 | 20,5 | 61,860813704497 | 29,663811563169 | 8,475374732334 | 7,8 | 9,2275642398 |
| 2 | oa2 | 2 | 1545 | ,982962913648 | 10 | 60 | 7,2 | 29,822784810127 | 34,025316455696 | 36,151898734177 | 7,8 | ,7762025316 |
| 3 | oa3 | 1 | 1485 | ,066987297958 | 80 | 60 | 32,8 | 73,637866265965 | 19,771600300526 | 6,590533433509 | 7,6 | 17,5418031555 |
| 4 | oa4 | 2 | 1089 | ,933012701144 | 60 | 30 | 26,5 | 17,656884875847 | 23,224981188864 | 59,118133935290 | 7,2 | ,7706471030 |
| 5 | oa5 | 2 | 1224 | ,982962913648 | 25 | 60 | 22,0 | 16,199280945044 | 23,045197740113 | 60,755521314843 | 7,8 | 3,0377760657 |
| 6 | oa6 | 2 | 1010 | ,066987297958 | 75 | 40 | 41,1 | 6,810186400630 | 14,496193226569 | 78,693620372801 | 7,0 | 0E- |
| 7 | oa7 | 2 | 1030 | ,982962913648 | 55 | 70 | 26,0 | 25,144827586207 | 14,555172413793 | 60,300000000000 | 7,3 | 0E- |
| 8 | oa8 | 2 | 1028 | ,982962913648 | 65 | 80 | 15,8 | 70,049977116705 | 12,274599542334 | 17,675423340961 | 6,8 | 0E- |
| 9 | oa9 | 2 | 990 | ,629409521540 | 20 | 20 | 33,1 | 22,732872614750 | 23,197008767406 | 54,070118617844 | 7,1 | ,7697189272 |
| 10 | oa10 | 2 | 950 | ,249999999482 | 55 | 50 | 27,4 | 21,726239382239 | 24,954440154440 | 53,319320463321 | 7,1 | ,7590308880 |
| 11 | oa11 | 2 | 1350 | ,066987297958 | 90 | 90 | 7,7 | 64,233459664321 | 23,643746616134 | 12,122793719545 | 7,8 | 6,2440985381 |
| 12 | oa12 | 1 | 1365 | ,066987297958 | 60 | 80 | 10,0 | 30,532226415094 | 31,924528301887 | 37,543245283019 | 7,8 | 2,3198490566 |
| 13 | oa13 | 1 | 1440 | ,370590480194 | 60 | 80 | 14,9 | 39,433948620362 | 30,677450047574 | 29,888601332065 | 7,9 | 2,3884586108 |
| 14 | oa14 | 2 | 1160 | ,370590480194 | 45 | 10 | 76,0 | 59,078533724340 | 20,835777126100 | 20,085689149560 | 7,6 | 3,0211876832 |
| 15 | oa15 | 2 | 1122 | ,982962913648 | 20 | 30 | 34,8 | 50,948115394985 | 22,824480992181 | 26,227403612834 | 7,9 | 20,3345376112 |
| 16 | oa16 | 2 | 1170 | ,629409521540 | 30 | 30 | 82,9 | 29,689369369369 | 25,081081081081 | 45,229549549550 | 7,7 | 3,0306306306 |
| 17 | oa17 | 1 | 1457 | ,249999999482 | 10 | 70 | 17,1 | 60,295554565702 | 27,690868596882 | 12,013576837417 | 7,4 | 1,5442984409 |
| 18 | oa18 | 2 | 1007 | ,370590480194 | 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 | 652 | ,933012701144 | 25 | 20 | 8,7 | 66,159949519038 | 19,283492665648 | 15,527555915734 | 7,8 | 25,6759977705 |

Data View Variable View



- Reports
- Descriptive Statistics
- Tables
- Compare Means
- General Linear Model
- Generalized Linear Models
- Mixed Models
- Correlate
- Regression
- Loglinear
- Neural Networks
- Classify
- Dimension Reduction
- Scale
- Nonparametric Tests**
- Forecasting
- Survival
- Multiple Response
- Missing Value Analysis...
- Multiple Imputation
- Complex Samples
- Quality Control
- ROC Curve...



Visible: 27 of 27 Variables

| | ornalan | veggru | yuk | m | yuztas | topder | kum | toz | kil | pH | kirec |
|----|---------|--------|------|----|--------|----------|-----------------|-----------------|-----------------|---------------|---------------|
| 1 | oa1 | 1 | | 95 | 90 | 20,5 | 61,860813704497 | 29,663811563169 | 8,475374732334 | 7,8 | 9,2275642398 |
| 2 | oa2 | 2 | | 10 | 60 | 7,2 | 29,822784810127 | 34,025316455696 | 36,151898734177 | 7,8 | ,7762025316 |
| 3 | oa3 | 1 | | 80 | 60 | 32,8 | 73,637866265965 | 19,771600300526 | 6,590533433509 | 7,6 | 17,5418031555 |
| 4 | oa4 | 2 | | 60 | 30 | 26,5 | 17,656884875847 | 23,224981188864 | 59,118133935290 | 7,2 | ,7706471030 |
| 5 | oa5 | 2 | | 25 | 60 | 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 | | 64 | 2334 | 59664321 | 64,233459664321 | 23,643746616134 | 12,122793719545 | 7,8 | 6,2440985381 |
| 12 | oa12 | 1 | | 30 | 5322 | 26415094 | 30,532226415094 | 31,924528301887 | 37,543245283019 | 7,8 | 2,3198490566 |
| 13 | oa13 | 1 | | 39 | 4339 | 48620362 | 39,433948620362 | 30,677450047574 | 29,888601332065 | 7,9 | 2,3884586108 |
| 14 | oa14 | 2 | | 7 | 126 | 100 | 7,126100 | 20,085689149560 | 7,6 | 3,0211876832 | |
| 15 | oa15 | 2 | | 20 | 30 | 34,8 | 20,992181 | 26,227403612834 | 7,9 | 20,3345376112 | |
| 16 | oa16 | 2 | | 30 | 30 | 82,9 | 1081081 | 45,229549549550 | 7,7 | 3,0306306306 | |
| 17 | oa17 | 1 | | 10 | 70 | 17,1 | 3596882 | 12,013576837417 | 7,4 | 1,5442984409 | |
| 18 | oa18 | 2 | | 45 | 0 | 72,7 | 3455936 | 28,333051711581 | 7,1 | 0E- | |
| 19 | oa19 | 2 | 1140 | 60 | 0 | 72,3 | 9318251 | 53,270999694283 | 7,5 | 0E- | |
| 20 | oa20 | 2 | 1056 | 20 | 70 | 9,9 | 0000000 | 32,844000000000 | 7,6 | ,7560000000 | |
| 21 | oa21 | 2 | 895 | 50 | 10 | 56,2 | 9648580 | 44,946955299410 | 7,9 | 0E- | |
| 22 | oa22 | 2 | 874 | 25 | 10 | 77,1 | 10,7116811766 | 20,700224299065 | 54,789392523365 | 7,8 | 25,9653183411 |
| 23 | oa23 | 3 | 407 | 40 | 10 | 76,3 | 20,700317674890 | 29,495099695843 | 49,804582629267 | 7,4 | 6,0780973301 |
| 24 | oa24 | 3 | 514 | 13 | 10 | 66,6 | 26,532426201856 | 21,208883890919 | 52,258689907225 | 7,5 | 4,5917233623 |
| 25 | oa25 | 3 | 618 | 10 | 10 | 66,5 | 45,393842841765 | 22,725511302476 | 31,880645855759 | 7,6 | 17,5635737351 |
| 26 | oa26 | 3 | 682 | 15 | 0 | 22,0 | 33,506751722378 | 14,710895638642 | 51,782352640980 | 7,5 | 0E- |
| 27 | oa27 | 2 | 653 | 25 | 20 | 8,7 | 66,159949549628 | 19,293489355548 | 15,537555916734 | 7,8 | 25,6756977705 |

- One Sample...
- Independent Samples...
- Related Samples...
- Legacy Dialogs**
 - Chi-square...
 - Binomial...
 - Runs...
 - 1-Sample K-S...
 - 2 Independent Samples...
 - K Independent Samples...**
 - 2 Related Samples...
 - K Related Samples...



Visible: 27 of 27 Variables

| | ornalan | veggru | yukslt | radinx | egim | yuztas | topder | kum | toz | kil | pH | kirec |
|----|---------|--------|--------|---------------|------|--------|--------|-----------------|-----------------|-----------------|-----|---------------|
| 1 | oa1 | | | | | | | 61,860813704497 | 29,663811563169 | 8,475374732334 | 7,8 | 9,2275642398 |
| 2 | oa2 | | | | | | | 29,822784810127 | 34,025316455696 | 36,151898734177 | 7,8 | ,7762025316 |
| 3 | oa3 | | | | | | | 73,637866265965 | 19,771600300526 | 6,590533433509 | 7,6 | 17,5418031555 |
| 4 | oa4 | | | | | | | 17,656884875847 | 23,224981188864 | 59,118133935290 | 7,2 | ,7706471030 |
| 5 | oa5 | | | | | | | 16,199280945044 | 23,045197740113 | 60,755521314843 | 7,8 | 3,0377760657 |
| 6 | oa6 | | | | | | | 6,810186400630 | 14,496193226569 | 78,693620372801 | 7,0 | 0E- |
| 7 | oa7 | | | | | | | 25,144827586207 | 14,555172413793 | 60,300000000000 | 7,3 | 0E- |
| 8 | oa8 | | | | | | | 70,049977116705 | 12,274599542334 | 17,675423340961 | 6,8 | 0E- |
| 9 | oa9 | | | | | | | 22,732872614750 | 23,197008767406 | 54,070118617844 | 7,1 | ,7697189272 |
| 10 | oa10 | | | | | | | 21,726239382239 | 24,954440154440 | 53,319320463321 | 7,1 | ,7590308880 |
| 11 | oa11 | | | | | | | 9664321 | 23,643746616134 | 12,122793719545 | 7,8 | 6,2440985381 |
| 12 | oa12 | | | | | | | 6415094 | 31,924528301887 | 37,543245283019 | 7,8 | 2,3198490566 |
| 13 | oa13 | | | | | | | 8620362 | 30,677450047574 | 29,888601332065 | 7,9 | 2,3884586108 |
| 14 | oa14 | | | | | | | 8724340 | 20,835777126100 | 20,085689149560 | 7,6 | 3,0211876832 |
| 15 | oa15 | | | | | | | 6394985 | 22,824480992181 | 26,227403612834 | 7,9 | 20,3345376112 |
| 16 | oa16 | | | | | | | 9369369 | 25,081081081081 | 45,229549549550 | 7,7 | 3,0306306306 |
| 17 | oa17 | 1 | 1457 | ,249999999482 | 10 | | | 565702 | 27,690868596882 | 12,013576837417 | 7,4 | 1,5442984409 |
| 18 | oa18 | 2 | 1007 | ,370590480194 | 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 | 3 | 659 | ,929912391444 | 25 | 20 | 80,7 | 66,459949549830 | 49,293492555540 | 45,527555915734 | 7,9 | 25,6276977395 |

Tests for Several Independent Samples

Test Variable List:

- yukslt
- radinx
- egim
- yuztas
- topder
- kum
- toz
- kil
- pH

Grouping Variable: veggru(? ?)

Test Type:

- Kruskal-Wallis H
- Median
- Jonckheere-Terpstra

Buttons: OK, Paste, Reset, Cancel, Help

Several Independent ...

Range for Grouping Variable

Minimum: 1

Maximum: 3

Buttons: Continue, Cancel, Help



Visible: 27 of 27 Variables

| | ornalan | veggru | yukslt | radinx | egim | yuztas | topder | kum | toz | kil | pH | kirec |
|----|---------|--------|--------|---------------|------|--------|--------|-----------------|-----------------|-----------------|-----|---------------|
| 1 | oa1 | | | | | | | 61,860813704497 | 29,663811563169 | 8,475374732334 | 7,8 | 9,2275642398 |
| 2 | oa2 | | | | | | | 29,822784810127 | 34,025316455696 | 36,151898734177 | 7,8 | ,7762025316 |
| 3 | oa3 | | | | | | | 73,637866265965 | 19,771600300526 | 6,590533433509 | 7,6 | 17,5418031555 |
| 4 | oa4 | | | | | | | 17,656884875847 | 23,224981188864 | 59,118133935290 | 7,2 | ,7706471030 |
| 5 | oa5 | | | | | | | 16,199280945044 | 23,045197740113 | 60,755521314843 | 7,8 | 3,0377760657 |
| 6 | oa6 | | | | | | | 6,810186400630 | 14,496193226569 | 78,693620372801 | 7,0 | 0E- |
| 7 | oa7 | | | | | | | 25,144827586207 | 14,555172413793 | 60,300000000000 | 7,3 | 0E- |
| 8 | oa8 | | | | | | | 70,049977116705 | 12,274599542334 | 17,675423340961 | 6,8 | 0E- |
| 9 | oa9 | | | | | | | 22,732872614750 | 23,197008767406 | 54,070118617844 | 7,1 | ,7697189272 |
| 10 | oa10 | | | | | | | 21,726239382239 | 24,954440154440 | 53,319320463321 | 7,1 | ,7590308880 |
| 11 | oa11 | | | | | | | 64,233459664321 | 23,643746616134 | 12,122793719545 | 7,8 | 6,2440985381 |
| 12 | oa12 | | | | | | | 30,532226415094 | 31,924528301887 | 37,543245283019 | 7,8 | 2,3198490566 |
| 13 | oa13 | | | | | | | 39,433948620362 | 30,677450047574 | 29,888601332065 | 7,9 | 2,3884586108 |
| 14 | oa14 | | | | | | | 59,078533724340 | 20,835777126100 | 20,085689149560 | 7,6 | 3,0211876832 |
| 15 | oa15 | | | | | | | 50,948115394985 | 22,824480992181 | 26,227403612834 | 7,9 | 20,3345376112 |
| 16 | oa16 | | | | | | | 29,689369369369 | 25,081081081081 | 45,229549549550 | 7,7 | 3,0306306306 |
| 17 | oa17 | 1 | 1457 | ,249999999482 | 10 | 70 | 17,1 | 60,295554565702 | 27,690868596882 | 12,013576837417 | 7,4 | 1,5442984409 |
| 18 | oa18 | 2 | 1007 | ,370590480194 | 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 | 3 | 653 | ,629409521540 | 25 | 0 | 22,0 | 66,159949519639 | 18,393493555549 | 45,537555915734 | 7,9 | 25,9653183411 |

Tests for Several Independent Samples

Test Variable List:
 yukslt
 radinx
 egim
 yuztas
 topder

Grouping Variable:
 veggru(1 3)

Test Type:
 Kruskal-Wallis H Median
 Jonckheere-Terpstra

Buttons: OK, Paste, Reset, Cancel, Help, Exact..., Options..., Define Range...



- Output
 - Log
 - NPar Tests
 - Title
 - Notes
 - Active Dataset
 - Kruskal-Wallis Te
 - Title
 - Ranks
 - Test Statistics

| | Total | 80 | |
|--------|-------|----|-------|
| kil | 1 | 20 | 24,20 |
| | 2 | 39 | 46,62 |
| | 3 | 21 | 44,67 |
| | Total | 80 | |
| pH | 1 | 20 | 42,80 |
| | 2 | 39 | 37,54 |
| | 3 | 21 | 43,81 |
| | Total | 80 | |
| kirec | 1 | 20 | 40,85 |
| | 2 | 39 | 34,56 |
| | 3 | 21 | 51,19 |
| | Total | 80 | |
| orgmad | 1 | 20 | 50,85 |
| | 2 | 39 | 37,00 |
| | 3 | 21 | 37,14 |
| | Total | 80 | |
| zyyprz | 1 | 20 | 46,50 |
| | 2 | 39 | 44,04 |
| | 3 | 21 | 28,21 |
| | Total | 80 | |

| Test Statistics ^{a,b} | | | | | | | | | | | | |
|--------------------------------|--------|--------|-------|--------|--------|-------|-------|--------|-------|-------|--------|--------|
| | yukslt | radinx | egim | yuztas | topder | kum | toz | kil | pH | kirec | orgmad | zyyprz |
| Chi-Square | 64,258 | ,282 | 8,309 | 21,864 | 14,124 | 9,669 | 2,646 | 13,217 | 1,266 | 7,164 | 5,291 | 10,917 |
| df | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Asymp. Sig. | ,000 | ,868 | ,016 | ,000 | ,001 | ,008 | ,266 | ,001 | ,531 | ,028 | ,071 | ,004 |
| a. Kruskal Wallis Test | | | | | | | | | | | | |
| b. Grouping Variable: veggru | | | | | | | | | | | | |

| Test Statistics ^{a,b} | | | | | | | | | | | | |
|--------------------------------|--------|--------|-------|--------|--------|-------|-------|--------|-------|-------|--------|--------|
| | yukslt | radinx | egim | yuztas | topder | kum | toz | kil | pH | kirec | orgmad | zyyprz |
| Chi-Square | 64,258 | ,282 | 8,309 | 21,864 | 14,124 | 9,669 | 2,646 | 13,217 | 1,266 | 7,164 | 5,291 | 10,917 |
| df | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Asymp. Sig. | ,000 | ,868 | ,016 | ,000 | ,001 | ,008 | ,266 | ,001 | ,531 | ,028 | ,071 | ,004 |

a. Kruskal Wallis Test
 b. Grouping Variable: veggru



13-19 Ocak 2014/ ANTALYA

Teşekkür ederim