

HPESS Survey Statistics Report

- Question – For each of the questions, 1-10, is there a difference in the average response by age?

Answer – YES, but for only two questions:

Q1: age group 1 differed from all of the other groups.

Q2: age groups 1 and 5 differed from groups 2,3,4, but did not differ from each other.

- Question – For each of the questions, 1-10, is there a difference in the average response by gender?

Answer – NO – there are no significant differences in responses between genders for any of the 10 questions.

- Question – For each of the questions, 1-10, is there a difference in the average response by level of education

Answer – YES, for questions 1, 2, 3, and 10

Q1: 1 v. 3 2 v. 3

Q2: 1 v. 3 2 v. 3

Q3: 1 v.2 1 v. 3 2 v. 3

Q10: 1 v. 3 2 v. 3

- Question: For each of the questions, is there a difference in the average response based upon racer or ethnicity

Answer - NO – there are no significant difference in responses among races or ethnicities for any of the 10 questions.

- Question – For each of the questions, 1-10, is there a difference in the average response if respondent is or was a hospital worker?

Answer – YES – for questions 1, 2, and 5. For all three questions, group 1 is significantly different from both group 0, and group 2.

- Question – For each of the questions, 1-10, is there a difference in the average response by age among those who identified their age group?

```
. dunnstest iq1, by(iage) ma(bh) wrap
```

```
Kruskal-Wallis equality-of-populations rank test
```

```
+-----+
| iage | Obs | Rank Sum |
+-----+-----+
| 1 | 1 | 3.50 |
| 2 | 23 | 878.50 |
| 3 | 35 | 1376.50 |
| 4 | 11 | 456.50 |
| 5 | 5 | 169.50 |
+-----+-----+
| 6 | 1 | 41.50 |
+-----+-----+
```

```
chi-squared = 3.004 with 5 d.f.
probability = 0.6994
```

chi-squared with ties = 13.768 with 5 d.f.
 probability = 0.0171

Dunn's Pairwise Comparison of iq1 by iage
 (Benjamini-Hochberg)

Col Mean- Row Mean	1	2	3	4	5
2	-3.292779 0.0025				
3	-3.424849 0.0023	-0.409178 0.4265			
4	-3.527106 0.0032	-0.873848 0.3583	-0.609012 0.3699		
5	-2.690371 0.0134	0.843972 0.3322	1.100788 0.2903	1.366042 0.2149	
6	-2.604940 0.0138	-0.313598 0.4349	-0.207567 0.4476	0.000000 0.5000	-0.672593 0.3759

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

. dunnstest iq2, by(iage) ma(bh) wrap

Kruskal-Wallis equality-of-populations rank test

iage	Obs	Rank Sum
1	1	4.50
2	22	849.00
3	35	1357.50
4	11	462.00
5	5	172.50
6	1	4.50

chi-squared = 5.286 with 5 d.f.
 probability = 0.3819

chi-squared with ties = 18.489 with 5 d.f.
 probability = 0.0024

Dunn's Pairwise Comparison of iq2 by iage
 (Benjamini-Hochberg)

Col Mean- Row Mean	1	2	3	4	5
2	-2.861006 0.0063				
3	-2.900874 0.0070	-0.061439 0.5095			
4	-3.080845 0.0155	-0.792177 0.2920	-0.797937 0.3187		
5	-2.349976 0.0201	0.708544 0.2761	0.769210 0.2761	1.193206 0.1940	
6	0.000000 0.5000	2.861006 0.0053	2.900874 0.0093	3.080845 0.0077	2.349976 0.0176

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

. dunnstest iq3, by(iage) ma(bh) wrap

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| iage | Obs | Rank Sum |
+-----+
| 1 | 1 | 7.00 |
| 2 | 23 | 921.00 |
| 3 | 35 | 1347.00 |
| 4 | 11 | 419.00 |
| 5 | 5 | 187.00 |
+-----+
| 6 | 1 | 45.00 |
+-----+

```

chi-squared = 2.250 with 5 d.f.
probability = 0.8136

chi-squared with ties = 5.288 with 5 d.f.
probability = 0.3817

Dunn's Pairwise Comparison of iq3 by iage
(Benjamini-Hochberg)

Col Mean-	1	2	3	4	5
2	-2.245722				
	0.1854				
3	-2.155302	0.402900			
	0.1168	0.5725			
4	-2.066574	0.369776	0.079295		
	0.0969	0.4851	0.4684		
5	-1.926615	0.371927	0.157658	0.088931	
	0.1013	0.5325	0.5046	0.4978	
6	-1.865437	-0.336858	-0.445925	-0.459239	-0.481654
	0.0932	0.4601	0.6147	0.6922	0.7876

False Discovery Rate = 0.05
Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

. dunnstest iq4, by(iage) ma(bh) wrap

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| iage | Obs | Rank Sum |
+-----+
| 1 | 1 | 13.00 |
| 2 | 23 | 934.00 |
| 3 | 36 | 1433.50 |
| 4 | 11 | 362.00 |
| 5 | 5 | 211.00 |
+-----+
| 6 | 1 | 49.50 |
+-----+

```

chi-squared = 2.656 with 5 d.f.
probability = 0.7529

chi-squared with ties = 4.393 with 5 d.f.
probability = 0.4944

Dunn's Pairwise Comparison of iq4 by iage
(Benjamini-Hochberg)

Col Mean-	1	2	3	4	5
2	-1.553696				
	0.9019				
3	-1.520764	0.169968			
	0.3208	0.4325			

```

4 | -1.095769  1.207400  1.153083
  |           0.2927   0.3409   0.3111
  |
5 | -1.532336 -0.185389 -0.286737 -0.990242
  |           0.4704   0.4569   0.4467   0.3019
  |
6 | -1.483678 -0.500363 -0.548924 -0.913141 -0.383084
  |           0.2586   0.4206   0.4373   0.3010   0.4385

```

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
. dunnstest iq5, by(iage) ma(bh) wrap
```

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| iage | Obs | Rank Sum |
+-----+
| 1 | 1 | 7.00 |
| 2 | 23 | 836.00 |
| 3 | 35 | 1476.50 |
| 4 | 11 | 377.00 |
| 5 | 5 | 185.00 |
+-----+
| 6 | 1 | 44.50 |
+-----+

```

chi-squared = 3.728 with 5 d.f.
 probability = 0.5892

chi-squared with ties = 9.323 with 5 d.f.
 probability = 0.0968

Dunn's Pairwise Comparison of iq5 by iage
 (Benjamini-Hochberg)

```

Col Mean-|
Row Mean |           1           2           3           4           5
+-----+
2 | -2.057391
  |           0.1487
  |
3 | -2.484459 -1.557480
  |           0.0973   0.1279
  |
4 | -1.869894  0.405361  1.639361
  |           0.0922   0.4283   0.1264
  |
5 | -1.961161 -0.094649  0.776748 -0.362103
  |           0.1247   0.4623   0.4100   0.4138
  |
6 | -1.898886 -0.571498 -0.163411 -0.701210 -0.490290
  |           0.1080   0.4257   0.4662   0.4026   0.4254

```

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
. dunnstest iq6, by(iage) ma(bh) wrap
```

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| iage | Obs | Rank Sum |
+-----+
| 1 | 1 | 11.00 |
| 2 | 23 | 841.50 |
| 3 | 35 | 1397.00 |
| 4 | 11 | 468.50 |
| 5 | 5 | 161.50 |
+-----+
| 6 | 1 | 46.50 |
+-----+

```

chi-squared = 2.770 with 5 d.f.
 probability = 0.7354

chi-squared with ties = 5.486 with 5 d.f.
 probability = 0.3595

Dunn's Pairwise Comparison of iq6 by iage
 (Benjamini-Hochberg)

Col Mean- Row Mean	1	2	3	4	5
2	-1.596368 0.2070				
3	-1.816984 0.2596	-0.790016 0.3221			
4	-1.927631 0.4043	-1.043792 0.3178	-0.493509 0.3586		
5	-1.239210 0.3229	0.553701 0.3624	1.015019 0.2907	1.215993 0.2800	
6	-1.599813 0.2741	-0.618474 0.3656	-0.413849 0.3637	-0.238527 0.4057	-0.826140 0.3406

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

. dunntest iq7, by(iage) ma(bh) wrap

Kruskal-Wallis equality-of-populations rank test

iage	Obs	Rank Sum
1	1	13.50
2	22	819.00
3	35	1270.50
4	11	493.50
5	5	205.50
6	1	48.00

chi-squared = 2.907 with 5 d.f.
 probability = 0.7143

chi-squared with ties = 4.855 with 5 d.f.
 probability = 0.4338

Dunn's Pairwise Comparison of iq7 by iage
 (Benjamini-Hochberg)

Col Mean- Row Mean	1	2	3	4	5
2	-1.376058 0.2532				
3	-1.333089 0.2281	0.202096 0.4499			
4	-1.780629 0.5623	-1.226249 0.2358	-1.469099 0.3545		
5	-1.494032 0.5069	-0.463525 0.4384	-0.595349 0.4137	0.413781 0.4244	
6	-1.446590 0.2775	-0.624762 0.4434	-0.684085 0.4631	-0.178063 0.4293	-0.373508 0.4089

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

. dunntest iq8, by(iage) ma(bh) wrap

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| iage | Obs | Rank Sum |
+-----+
| 1 | 1 | 16.00 |
| 2 | 23 | 896.00 |
| 3 | 35 | 1360.00 |
| 4 | 11 | 356.00 |
| 5 | 5 | 239.50 |
+-----+
| 6 | 1 | 58.50 |
+-----+

```

chi-squared = 3.633 with 5 d.f.
probability = 0.6034

chi-squared with ties = 4.157 with 5 d.f.
probability = 0.5270

Dunn's Pairwise Comparison of iq8 by iage
(Benjamini-Hochberg)

Col Mean- Row Mean	1	2	3	4	5
2	-1.088658 0.3454				
3	-1.091772 0.4124	0.017935 0.4928			
4	-0.758949 0.2584	0.871211 0.2398	0.910035 0.2721		
5	-1.410676 0.5938	-0.878018 0.2590	-0.916267 0.2996	-1.395398 0.4072	
6	-1.455798 1.0000	-0.926803 0.3319	-0.938242 0.3730	-1.212211 0.4227	-0.468751 0.3425

False Discovery Rate = 0.05
Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

. dunnstest iq9, by(iage) ma(bh) wrap

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| iage | Obs | Rank Sum |
+-----+
| 1 | 1 | 26.50 |
| 2 | 23 | 844.00 |
| 3 | 35 | 1377.00 |
| 4 | 11 | 443.50 |
| 5 | 5 | 208.50 |
+-----+
| 6 | 1 | 26.50 |
+-----+

```

chi-squared = 0.975 with 5 d.f.
probability = 0.9646

chi-squared with ties = 1.158 with 5 d.f.
probability = 0.9488

Dunn's Pairwise Comparison of iq9 by iage
(Benjamini-Hochberg)

Col Mean- Row Mean	1	2	3	4	5
2	-0.492653 0.5834				
3	-0.625047 0.7979	-0.486788 0.4271			
4	-0.653017	-0.487754	-0.139274		

```

      |      0.9633      0.4693      0.5130
5 | -0.684890 -0.500594 -0.243357 -0.126456
      |      1.0000      0.6607      0.5048      0.4818
6 |  0.000000  0.492653  0.625047  0.653017  0.684890
      |      0.5000      0.5185      0.6649      1.0000      1.0000

```

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
. dunnstest iq10, by(iage) ma(bh) wrap
```

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| iage | Obs | Rank Sum |
+-----+-----+
|  1  |  1  |    6.50  |
|  2  | 23  |   856.50 |
|  3  | 35  |  1427.50 |
|  4  | 11  |   409.00 |
|  5  |  5  |   182.50 |
+-----+-----+
|  6  |  1  |    44.00 |
+-----+

```

chi-squared = 2.692 with 5 d.f.
 probability = 0.7473

chi-squared with ties = 7.233 with 5 d.f.
 probability = 0.2039

Dunn's Pairwise Comparison of iq10 by iage
 (Benjamini-Hochberg)

```

Col Mean-|
Row Mean |----- 1----- 2----- 3----- 4----- 5
-----+-----+-----+-----+-----+
2 | -2.233632
   |      0.0957
3 | -2.509329 -0.980744
   |      0.0907      0.4084
4 | -2.180462  0.011605  0.773901
   |      0.0731      0.4954      0.4703
5 | -2.032789  0.111187  0.665386  0.093832
   |      0.0789      0.5258      0.4742      0.4957
6 | -1.968240 -0.491273 -0.235250 -0.484547 -0.508197
   |      0.0736      0.4674      0.5088      0.4282      0.5094

```

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

- Question – For each of the questions, 1-10, is there a difference in the average response by gender?

```
. ranksum iq1, by(igender)
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

```

igender |      obs      rank sum      expected
-----+-----+-----+-----+
1 |      17      629.5      654.5
2 |      59     2296.5     2271.5
-----+-----+-----+
combined |      76     2926      2926

```

```

unadjusted variance      6435.92
adjustment for ties      -5031.72
-----
adjusted variance        1404.20

```

```

Ho: iq1(igender==1) = iq1(igender==2)
    z = -0.667
    Prob > |z| = 0.5047

.
. ranksum iq2, by(igender)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

-----+-----
igender |      obs   rank sum   expected
-----+-----
      1 |      17       564       646
      2 |      58      2286      2204
-----+-----
combined |      75      2850      2850

unadjusted variance      6244.67
adjustment for ties      -4459.21
-----
adjusted variance        1785.46

Ho: iq2(igender==1) = iq2(igender==2)
    z = -1.941
    Prob > |z| = 0.0523

.
. ranksum iq3, by(igender)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

-----+-----
igender |      obs   rank sum   expected
-----+-----
      1 |      17       613      654.5
      2 |      59      2313      2271.5
-----+-----
combined |      76      2926      2926

unadjusted variance      6435.92
adjustment for ties      -3697.73
-----
adjusted variance        2738.19

Ho: iq3(igender==1) = iq3(igender==2)
    z = -0.793
    Prob > |z| = 0.4277

.
. ranksum iq4, by(igender)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

-----+-----
igender |      obs   rank sum   expected
-----+-----
      1 |      17       659       663
      2 |      60      2344      2340
-----+-----
combined |      77      3003      3003

unadjusted variance      6630.00
adjustment for ties      -2621.46
-----
adjusted variance        4008.54

Ho: iq4(igender==1) = iq4(igender==2)
    z = -0.063
    Prob > |z| = 0.9496

.
. ranksum iq5, by(igender)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

-----+-----
igender |      obs   rank sum   expected
-----+-----
      1 |      17       600.5      654.5
      2 |      59      2325.5      2271.5
-----+-----
combined |      76      2926      2926

```



```

unadjusted variance      6435.92
adjustment for ties      -3862.43
-----
adjusted variance        2573.49

```

```

Ho: iq5(igender==1) = iq5(igender==2)
    z = -1.064
    Prob > |z| = 0.2871

```

```

. ranksum iq6, by(igender)

```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

igender	obs	rank sum	expected
1	17	684	654.5
2	59	2242	2271.5
combined	76	2926	2926

```

unadjusted variance      6435.92
adjustment for ties      -3186.72
-----
adjusted variance        3249.19

```

```

Ho: iq6(igender==1) = iq6(igender==2)
    z = 0.518
    Prob > |z| = 0.6048

```

```

. ranksum iq7, by(igender)

```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

igender	obs	rank sum	expected
1	17	599	646
2	58	2251	2204
combined	75	2850	2850

```

unadjusted variance      6244.67
adjustment for ties      -2505.86
-----
adjusted variance        3738.81

```

```

Ho: iq7(igender==1) = iq7(igender==2)
    z = -0.769
    Prob > |z| = 0.4421

```

```

. ranksum iq8, by(igender)

```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

igender	obs	rank sum	expected
1	17	610.5	654.5
2	59	2315.5	2271.5
combined	76	2926	2926

```

unadjusted variance      6435.92
adjustment for ties      -812.08
-----
adjusted variance        5623.84

```

```

Ho: iq8(igender==1) = iq8(igender==2)
    z = -0.587
    Prob > |z| = 0.5574

```

```

. ranksum iq9, by(igender)

```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

igender	obs	rank sum	expected
---------	-----	----------	----------

```

-----+-----
      1 |      17      597      654.5
      2 |      59     2329     2271.5
-----+-----
combined |      76     2926     2926

unadjusted variance      6435.92
adjustment for ties      -1019.01
-----
adjusted variance        5416.90

Ho: iq9(igender==1) = iq9(igender==2)
      z = -0.781
      Prob > |z| = 0.4347

.
. ranksum iq10, by(igender)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

      igender |      obs      rank sum      expected
-----+-----
      1 |      17      635.5      654.5
      2 |      59     2290.5     2271.5
-----+-----
combined |      76     2926      2926

unadjusted variance      6435.92
adjustment for ties      -4040.59
-----
adjusted variance        2395.32

Ho: iq10(igender==1) = iq10(igender==2)
      z = -0.388
      Prob > |z| = 0.6979

```

- Question – For each of the questions, 1-10, is there a difference in the average response by level of education

```

. dunnstest iq1, by(ied) ma(bh) wrap

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

+-----+
| ied | Obs | Rank Sum |
+-----+
| 1 | 26 | 965.00 |
| 2 | 49 | 1957.50 |
| 3 | 1 | 3.50 |
+-----+

chi-squared = 2.825 with 2 d.f.
probability = 0.2435

chi-squared with ties = 12.949 with 2 d.f.
probability = 0.0015

```

```

Dunn's Pairwise Comparison of iq1 by ied
(Benjamini-Hochberg)

Col Mean-|
Row Mean |      1      2
-----+-----
      2 | -1.132195
      |      0.1288
      |
      3 | 3.197953  3.498063
      | 0.0010  0.0007

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```

```

. dunnstest iq2, by(ied) ma(bh) wrap

```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```
+-----+
| ied | Obs | Rank Sum |
+-----+-----+
| 1 | 26 | 979.50 |
| 2 | 48 | 1866.00 |
| 3 | 1 | 4.50 |
+-----+-----+
```

chi-squared = 2.446 with 2 d.f.
probability = 0.2944

chi-squared with ties = 8.554 with 2 d.f.
probability = 0.0139

Dunn's Pairwise Comparison of iq2 by ied
(Benjamini-Hochberg)

```
Col Mean-|
Row Mean |          1          2
-----+-----+-----+
2 | -0.423546
   | 0.3359
   |
3 | 2.793337  2.919430
   | 0.0039    0.0053
```

False Discovery Rate = 0.05
Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

. dunnstest iq3, by(ied) ma(bh) wrap

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```
+-----+
| ied | Obs | Rank Sum |
+-----+-----+
| 1 | 26 | 904.00 |
| 2 | 49 | 2015.00 |
| 3 | 1 | 7.00 |
+-----+-----+
```

chi-squared = 3.468 with 2 d.f.
probability = 0.1766

chi-squared with ties = 8.151 with 2 d.f.
probability = 0.0170

Dunn's Pairwise Comparison of iq3 by ied
(Benjamini-Hochberg)

```
Col Mean-|
Row Mean |          1          2
-----+-----+-----+
2 | -1.817857
   | 0.0345
   |
3 | 1.891823  2.345120
   | 0.0439    0.0285
```

False Discovery Rate = 0.05
Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

. dunnstest iq4, by(ied) ma(bh) wrap

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ied | Obs | Rank Sum |
+-----+
| 1 | 26 | 1021.50 |
| 2 | 50 | 1968.50 |
| 3 | 1 | 13.00 |
+-----+

```

chi-squared = 1.369 with 2 d.f.
probability = 0.5044

chi-squared with ties = 2.264 with 2 d.f.
probability = 0.3224

Dunn's Pairwise Comparison of iq4 by ied
(Benjamini-Hochberg)

```

Col Mean-|
Row Mean |          1          2
+-----+
  2 | -0.019386
    | 0.4923
    |
  3 | 1.482968  1.500969
    | 0.1036    0.2000

```

False Discovery Rate = 0.05
Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
. dunnstest iq5, by(ied) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ied | Obs | Rank Sum |
+-----+
| 1 | 26 | 1044.50 |
| 2 | 49 | 1874.50 |
| 3 | 1 | 7.00 |
+-----+

```

chi-squared = 2.190 with 2 d.f.
probability = 0.3345

chi-squared with ties = 5.477 with 2 d.f.
probability = 0.0647

Dunn's Pairwise Comparison of iq5 by ied
(Benjamini-Hochberg)

```

Col Mean-|
Row Mean |          1          2
+-----+
  2 | 0.566082
    | 0.2857
    |
  3 | 2.331166  2.215729
    | 0.0296    0.0200

```

False Discovery Rate = 0.05
Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
. dunnstest iq6, by(ied) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ied | Obs | Rank Sum |
+-----+
| 1 | 26 | 1024.00 |

```

```

| 2 | 49 | 1891.00 |
| 3 | 1 | 11.00 |
+-----+

```

```

chi-squared = 1.593 with 2 d.f.
probability = 0.4508

```

```

chi-squared with ties = 3.156 with 2 d.f.
probability = 0.2064

```

Dunn's Pairwise Comparison of iq6 by ied
(Benjamini-Hochberg)

```

Col Mean-|
Row Mean |          1          2
+-----+-----+
  2 | 0.208239
    | 0.4175
    |
  3 | 1.775186  1.740803
    | 0.1138    0.0613

```

```

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```

```

. dunnstest iq7, by(ied) ma(bh) wrap

```

```

Warning: by() values are unlabeled, option nolabel implicit

```

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ied | Obs | Rank Sum |
+-----+-----+
| 1 | 26 | 1065.50 |
| 2 | 48 | 1771.00 |
| 3 | 1 | 13.50 |
+-----+

```

```

chi-squared = 1.873 with 2 d.f.
probability = 0.3920

```

```

chi-squared with ties = 3.129 with 2 d.f.
probability = 0.2092

```

Dunn's Pairwise Comparison of iq7 by ied
(Benjamini-Hochberg)

```

Col Mean-|
Row Mean |          1          2
+-----+-----+
  2 | 0.994759
    | 0.1599
    |
  3 | 1.599098  1.373101
    | 0.1647    0.1273

```

```

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```

```

. dunnstest iq8, by(ied) ma(bh) wrap

```

```

Warning: by() values are unlabeled, option nolabel implicit

```

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ied | Obs | Rank Sum |
+-----+-----+
| 1 | 26 | 1025.50 |
| 2 | 49 | 1868.50 |
| 3 | 1 | 32.00 |
+-----+

```

```

chi-squared = 0.148 with 2 d.f.

```

```
probability = 0.9289
chi-squared with ties = 0.169 with 2 d.f.
probability = 0.9190
```

Dunn's Pairwise Comparison of iq8 by ied
(Benjamini-Hochberg)

Col Mean-	1		2	
Row Mean	-----			
2	0.261480			
	0.3969			
3	0.353785	0.294096		
	1.0000	0.5765		

```
False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule
```

```
. dunnstest iq9, by(ied) ma(bh) wrap
```

```
Warning: by() values are unlabeled, option nolabel implicit
```

Kruskal-Wallis equality-of-populations rank test

ied	Obs	Rank Sum
1	26	1086.50
2	49	1813.00
3	1	26.50

```
chi-squared = 1.098 with 2 d.f.
probability = 0.5776
```

```
chi-squared with ties = 1.304 with 2 d.f.
probability = 0.5209
```

Dunn's Pairwise Comparison of iq9 by ied
(Benjamini-Hochberg)

Col Mean-	1		2	
Row Mean	-----			
2	0.974133			
	0.4950			
3	0.740520	0.513063		
	0.3442	0.3040		

```
False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule
```

```
. dunnstest iq10, by(ied) ma(bh) wrap
```

```
Warning: by() values are unlabeled, option nolabel implicit
```

Kruskal-Wallis equality-of-populations rank test

ied	Obs	Rank Sum
1	26	956.50
2	49	1963.00
3	1	6.50

```
chi-squared = 2.501 with 2 d.f.
probability = 0.2864
```

```
chi-squared with ties = 6.720 with 2 d.f.
probability = 0.0347
```

```

Dunn's Pairwise Comparison of iq10 by ied
(Benjamini-Hochberg)
Col Mean-|
Row Mean |          1          2
-----+-----
    2 | -1.001222
      | 0.1584
      |
    3 | 2.206194  2.466110
      | 0.0205  0.0205

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```

- Question: For each of the questions, is there a difference in the average response [based upon racer or ethnicity](#)

```

. dunnstest iq1, by(ieth) ma(bh) wrap
Warning: by() values are unlabeled, option nolabel implicit

```

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ieth | Obs | Rank Sum |
+-----+
| 1 | 39 | 1542.50 |
| 2 | 12 | 460.00 |
| 3 | 20 | 716.00 |
| 4 | 3 | 124.50 |
| 7 | 2 | 83.00 |
+-----+

```

```

chi-squared = 0.480 with 4 d.f.
probability = 0.9754

```

```

chi-squared with ties = 2.201 with 4 d.f.
probability = 0.6988

```

```

Dunn's Pairwise Comparison of iq1 by ieth
(Benjamini-Hochberg)
Col Mean-|
Row Mean |          1          2          3          4
-----+-----
    2 | 0.357681
      | 0.5147
      |
    3 | 1.322301  0.672593
      | 0.9303  0.6265
      |
    4 | -0.315316 -0.475595 -0.892515
      | 0.4703  0.6344  0.9303
      |
    7 | -0.260575 -0.401951 -0.745114  0.000000
      | 0.4413  0.5731  0.7603  0.5000

```

```

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```

```

. dunnstest iq2, by(ieth) ma(bh) wrap
Warning: by() values are unlabeled, option nolabel implicit

```

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ieth | Obs | Rank Sum |
+-----+
| 1 | 38 | 1483.50 |
| 2 | 12 | 429.00 |
| 3 | 20 | 727.50 |

```

```

| 4 | 3 | 126.00 |
| 7 | 2 | 84.00 |
+-----+

```

```

chi-squared = 0.494 with 4 d.f.
probability = 0.9741

```

```

chi-squared with ties = 1.728 with 4 d.f.
probability = 0.7857

```

Dunn's Pairwise Comparison of iq2 by ieth
(Benjamini-Hochberg)

Col Mean-	1	2	3	4
2	0.852426			
	1.0000			
3	0.827632	-0.146874		
	0.6798	0.4907		
4	-0.423606	-0.830842	-0.779591	
	0.4799	1.0000	0.5445	
7	-0.350170	-0.702190	-0.650840	0.000000
	0.4539	0.4826	0.4293	0.5000

```

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```

```

. dunnstest iq3, by(ieth) ma(bh) wrap

```

```

Warning: by() values are unlabeled, option nolabel implicit

```

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ieth | Obs | Rank Sum |
+-----+
| 1 | 39 | 1641.00 |
| 2 | 12 | 350.00 |
| 3 | 20 | 710.00 |
| 4 | 3 | 135.00 |
| 7 | 2 | 90.00 |
+-----+

```

```

chi-squared = 3.969 with 4 d.f.
probability = 0.4102

```

```

chi-squared with ties = 9.329 with 4 d.f.
probability = 0.0534

```

Dunn's Pairwise Comparison of iq3 by ieth
(Benjamini-Hochberg)

Col Mean-	1	2	3	4
2	2.715092			
	0.0331			
3	1.660183	-1.204134		
	0.1615	0.2285		
4	-0.338704	-1.702903	-1.065239	
	0.4593	0.2215	0.2390	
7	-0.279903	-1.439216	-0.889312	0.000000
	0.4331	0.1876	0.2670	0.5000

```

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```

```

. dunnstest iq4, by(ieth) ma(bh) wrap

```


Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ieth | Obs | Rank Sum |
+-----+
| 1 | 39 | 1584.50 |
| 2 | 12 | 474.00 |
| 3 | 20 | 733.00 |
| 4 | 3 | 37.50 |
| 7 | 2 | 97.00 |
+-----+

```

chi-squared = 5.096 with 4 d.f.
probability = 0.2776

chi-squared with ties = 8.628 with 4 d.f.
probability = 0.0711

Dunn's Pairwise Comparison of iq4 by ieth
(Benjamini-Hochberg)

Col Mean-	1	2	3	4
Row Mean				
2	0.201372			
	0.4202			
3	0.852280	0.459885		
	0.3284	0.3587		
4	2.766202	2.464580	2.298277	
	0.0284	0.0343	0.0269	
7	-0.639739	-0.694317	-0.941479	-2.323629
	0.3265	0.3482	0.3465	0.0336

False Discovery Rate = 0.05
Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
. dunnstest iq5, by(ieth) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ieth | Obs | Rank Sum |
+-----+
| 1 | 39 | 1585.50 |
| 2 | 12 | 384.00 |
| 3 | 20 | 771.50 |
| 4 | 3 | 96.00 |
| 7 | 2 | 89.00 |
+-----+

```

chi-squared = 1.818 with 4 d.f.
probability = 0.7691

chi-squared with ties = 4.548 with 4 d.f.
probability = 0.3369

Dunn's Pairwise Comparison of iq5 by ieth
(Benjamini-Hochberg)

Col Mean-	1	2	3	4
Row Mean				
2	1.877283			
	0.3024			
3	0.541285	-1.289464		
	0.3677	0.4931		
4	1.034332	0.000000	0.760484	

```

      |      0.3762      0.5000      0.3725
7 | -0.379896 -1.172018 -0.572123 -0.980581
      |      0.3911      0.4020      0.4052      0.3268

```

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
. dunnstest iq6, by(ieth) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ieth | Obs | Rank Sum |
+-----+-----+
| 1 | 39 | 1547.50 |
| 2 | 12 | 479.50 |
| 3 | 20 | 666.50 |
| 4 | 3 | 139.50 |
| 7 | 2 | 93.00 |
+-----+

```

chi-squared = 1.918 with 4 d.f.
 probability = 0.7508

chi-squared with ties = 3.799 with 4 d.f.
 probability = 0.4338

Dunn's Pairwise Comparison of iq6 by ieth
 (Benjamini-Hochberg)

Col Mean-	1	2	3	4
Row Mean	-----			
2	-0.053834			
	0.5317			
3	1.472508	1.157760		
	0.7044	0.4116		
4	-0.725506	-0.645877	-1.356183	
	0.4681	0.4320	0.4376	
7	-0.599554	-0.545866	-1.132205	0.000000
	0.3920	0.3657	0.3219	0.5000

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
. dunnstest iq7, by(ieth) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ieth | Obs | Rank Sum |
+-----+-----+
| 1 | 38 | 1459.00 |
| 2 | 12 | 507.00 |
| 3 | 20 | 644.00 |
| 4 | 3 | 144.00 |
| 7 | 2 | 96.00 |
+-----+

```

chi-squared = 2.938 with 4 d.f.
 probability = 0.5683

chi-squared with ties = 4.907 with 4 d.f.
 probability = 0.2970

Dunn's Pairwise Comparison of iq7 by ieth

```

                                (Benjamini-Hochberg)
Col Mean-|
Row Mean |          1          2          3          4
-----|-----
  2 | -0.690387
    |      0.3500
    |
  3 |  1.329710  1.632067
    |      0.3060      0.5133
    |
  4 | -0.949754 -0.528220 -1.513248
    |      0.3422      0.3733      0.3255
    |
  7 | -0.785104 -0.446427 -1.263331  0.000000
    |      0.3603      0.3640      0.2581      0.5000

```

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
. dunntest iq8, by(ieth) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ieth | Obs | Rank Sum |
+-----+-----+
|  1  | 39 | 1519.00 |
|  2  | 12 |  510.00 |
|  3  | 20 |  673.50 |
|  4  |  3 |  106.50 |
|  7  |  2 |  117.00 |
+-----+

```

chi-squared = 3.060 with 4 d.f.
 probability = 0.5478

chi-squared with ties = 3.502 with 4 d.f.
 probability = 0.4775

Dunn's Pairwise Comparison of iq8 by ieth
 (Benjamini-Hochberg)

```

Col Mean-|
Row Mean |          1          2          3          4
-----|-----
  2 | -0.521135
    |      0.3764
    |
  3 |  0.928892  1.170773
    |      0.2941      0.3021
    |
  4 |  0.278839  0.525328 -0.142791
    |      0.4335      0.4281      0.4432
    |
  7 | -1.306345 -1.014820 -1.621568 -1.220522
    |      0.4786      0.3102      0.5245      0.3704

```

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
. dunntest iq9, by(ieth) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ieth | Obs | Rank Sum |
+-----+-----+
|  1  | 39 | 1358.00 |
|  2  | 12 |  488.50 |
|  3  | 20 |  821.00 |
|  4  |  3 |  142.50 |
+-----+

```

```

| 7 | 2 | 116.00 |
+-----+
chi-squared = 3.527 with 4 d.f.
probability = 0.4738

chi-squared with ties = 4.191 with 4 d.f.
probability = 0.3808

```

```

Dunn's Pairwise Comparison of iq9 by ieth
(Benjamini-Hochberg)
Col Mean-|
Row Mean | 1 2 3 4
+-----+
2 | -0.880360
| 0.3156
3 | -1.118000 -0.046185
| 0.4393 0.4816
4 | -1.044571 -0.519338 -0.514209
| 0.2962 0.3772 0.3373
7 | -1.578074 -1.117498 -1.128123 -0.567738
| 0.5727 0.3297 0.6482 0.4073

```

```

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```

```
. dunnstest iq10, by(ieth) ma(bh) wrap
```

```
Warning: by() values are unlabeled, option nolabel implicit
```

```
Kruskal-Wallis equality-of-populations rank test
```

```

+-----+
| ieth | Obs | Rank Sum |
+-----+
| 1 | 39 | 1603.50 |
| 2 | 12 | 415.50 |
| 3 | 20 | 687.00 |
| 4 | 3 | 132.00 |
| 7 | 2 | 88.00 |
+-----+

```

```

chi-squared = 1.933 with 4 d.f.
probability = 0.7481

chi-squared with ties = 5.194 with 4 d.f.
probability = 0.2680

```

```

Dunn's Pairwise Comparison of iq10 by ieth
(Benjamini-Hochberg)
Col Mean-|
Row Mean | 1 2 3 4
+-----+
2 | 1.459385
| 0.3611
3 | 1.825894 0.055902
| 0.3393 0.5308
4 | -0.357370 -1.078049 -1.156913
| 0.5149 0.3513 0.4122
7 | -0.295328 -0.911118 -0.965845 0.000000
| 0.4798 0.3019 0.3341 0.5000

```

```

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```

```
. dunnstest iq1, by(ihwork) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```
+-----+
| ihwork | Obs | Rank Sum |
+-----+
|      0 | 16 | 664.00 |
|      1 | 10 | 263.00 |
|      2 | 50 | 1999.00 |
+-----+
```

chi-squared = 3.572 with 2 d.f.
probability = 0.1676

chi-squared with ties = 16.371 with 2 d.f.
probability = 0.0003

Dunn's Pairwise Comparison of iq1 by ihwork
(Benjamini-Hochberg)

```
Col Mean-|
Row Mean |          0          1
+-----+
  1 | 3.655494
    | 0.0002
    |
  2 | 0.513034 -3.828465
    | 0.3040 0.0002
```

False Discovery Rate = 0.05
Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
.
. dunnstest iq2, by(ihwork) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```
+-----+
| ihwork | Obs | Rank Sum |
+-----+
|      0 | 16 | 634.50 |
|      1 |  9 | 228.00 |
|      2 | 50 | 1987.50 |
+-----+
```

chi-squared = 3.455 with 2 d.f.
probability = 0.1777

chi-squared with ties = 12.083 with 2 d.f.
probability = 0.0024

Dunn's Pairwise Comparison of iq2 by ihwork
(Benjamini-Hochberg)

```
Col Mean-|
Row Mean |          0          1
+-----+
  1 | 2.949684
    | 0.0024
    |
  2 | -0.028008 -3.416473
    | 0.4888 0.0010
```

False Discovery Rate = 0.05
Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

```
.
. dunnstest iq3, by(ihwork) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ihwork | Obs | Rank Sum |
+-----+-----+
|      0 | 16 |   644.00 |
|      1 | 10 |   298.00 |
|      2 | 50 |  1984.00 |
+-----+

```

chi-squared = 1.795 with 2 d.f.
probability = 0.4075

chi-squared with ties = 4.220 with 2 d.f.
probability = 0.1213

Dunn's Pairwise Comparison of iq3 by ihwork
(Benjamini-Hochberg)

```

Col Mean-|
Row Mean |          0          1
+-----+-----+
  1 | 1.799706
    | 0.0539
    |
  2 | 0.137772 -1.980059
    | 0.4452 0.0715

```

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```
. dunnstest iq4, by(ihwork) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ihwork | Obs | Rank Sum |
+-----+-----+
|      0 | 17 |   685.50 |
|      1 | 10 |   300.50 |
|      2 | 50 |  2017.00 |
+-----+

```

chi-squared = 1.839 with 2 d.f.
probability = 0.3987

chi-squared with ties = 3.042 with 2 d.f.
probability = 0.2185

Dunn's Pairwise Comparison of iq4 by ihwork
(Benjamini-Hochberg)

```

Col Mean-|
Row Mean |          0          1
+-----+-----+
  1 | 1.481917
    | 0.1038
    |
  2 | -0.003372 -1.707601
    | 0.4987 0.1316

```

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```
. dunnstest iq5, by(ihwork) ma(bh) wrap
```

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ihwork | Obs | Rank Sum |
+-----+-----+
|      0 | 16 |   712.00 |
|      1 | 10 |   220.00 |

```

```

|      2 | 50 | 1994.00 |
+-----+

```

```

chi-squared =      6.959 with 2 d.f.
probability =      0.0308

```

```

chi-squared with ties =    17.404 with 2 d.f.
probability =    0.0002

```

Dunn's Pairwise Comparison of iq5 by ihwork
(Benjamini-Hochberg)

```

Col Mean-|
Row Mean |          0          1
+-----+
  1 | 3.997040
    | 0.0001
    |
  2 | 1.151855 -3.696235
    | 0.1247 0.0002

```

```

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```

```

. dunntest iq6, by(ihwork) ma(bh) wrap

```

```

Warning: by() values are unlabeled, option nolabel implicit

```

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| ihwork | Obs | Rank Sum |
+-----+
|      0 | 16 | 559.00 |
|      1 | 10 | 308.00 |
|      2 | 50 | 2059.00 |
+-----+

```

```

chi-squared =      2.369 with 2 d.f.
probability =      0.3060

```

```

chi-squared with ties =    4.692 with 2 d.f.
probability =    0.0958

```

Dunn's Pairwise Comparison of iq6 by ihwork
(Benjamini-Hochberg)

```

Col Mean-|
Row Mean |          0          1
+-----+
  1 | 0.654135
    | 0.2565
    |
  2 | -1.385120 -1.909689
    | 0.1245 0.0843

```

```

False Discovery Rate = 0.05
Reject Ho if p = P(Z <= |z|) <= FDR/2 with stopping rule

```

```

. dunntest iq7, by(ihwork) ma(bh) wrap

```

```

Warning: by() values are unlabeled, option nolabel implicit

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Kruskal-Wallis equality-of-populations rank test

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+-----+
| ihwork | Obs | Rank Sum |
+-----+
|      0 | 16 | 644.50 |
|      1 |  9 | 353.00 |
|      2 | 50 | 1852.50 |
+-----+

```

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chi-squared =      0.299 with 2 d.f.
probability =      0.8613

```

chi-squared with ties = 0.499 with 2 d.f.
 probability = 0.7793

Dunn's Pairwise Comparison of iq7 by ihwork
 (Benjamini-Hochberg)

Col Mean-		
Row Mean	0	1
1	0.150716	
	0.4401	
2	0.667091	0.355734
	0.7571	0.5415

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

. dunnstest iq8, by(ihwork) ma(bh) wrap

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

ihwork	Obs	Rank Sum
0	16	521.00
1	10	393.00
2	50	2012.00

chi-squared = 1.480 with 2 d.f.
 probability = 0.4771

chi-squared with ties = 1.694 with 2 d.f.
 probability = 0.4287

Dunn's Pairwise Comparison of iq8 by ihwork
 (Benjamini-Hochberg)

Col Mean-		
Row Mean	0	1
1	-0.809654	
	0.3136	
2	-1.294852	-0.131451
	0.2931	0.4477

False Discovery Rate = 0.05
 Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

. dunnstest iq9, by(ihwork) ma(bh) wrap

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

ihwork	Obs	Rank Sum
0	16	639.00
1	10	379.00
2	50	1908.00

chi-squared = 0.087 with 2 d.f.
 probability = 0.9574

chi-squared with ties = 0.103 with 2 d.f.
 probability = 0.9496

Dunn's Pairwise Comparison of iq9 by ihwork
(Benjamini-Hochberg)

Col Mean-		
Row Mean	0	1
1	0.249482	
	0.6022	
2	0.305457	-0.037047
	1.0000	0.4852

False Discovery Rate = 0.05
Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

.
. dunnstest iq10, by(ihwork) ma(bh) wrap

Warning: by() values are unlabeled, option nolabel implicit

Kruskal-Wallis equality-of-populations rank test

ihwork	Obs	Rank Sum
0	16	666.50
1	10	322.00
2	50	1937.50

chi-squared = 1.147 with 2 d.f.
probability = 0.5635

chi-squared with ties = 3.082 with 2 d.f.
probability = 0.2141

Dunn's Pairwise Comparison of iq10 by ihwork
(Benjamini-Hochberg)

Col Mean-		
Row Mean	0	1
1	1.741221	
	0.1225	
2	0.751048	-1.403500
	0.2263	0.1204

False Discovery Rate = 0.05
Reject Ho if $p = P(Z \leq |z|) \leq \text{FDR}/2$ with stopping rule

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