

BT2022 | JAN-MAY 2023 | QUIZ III | 20 Marks

Consider the given dataset on an experiment conducted over CRD with 1 treatment at 15 levels (rows) and 10 replications (columns) each. Compute various sum of squares and formulate the ANOVA table. Find out the p-value corresponding to the F-test on replication variance component (5 marks). With the given alpha value, get the replication variance F-test status (0 = null hypothesis is true, = 1 alternate hypothesis is true) (2 marks). Based on the outcome of the F-test on the replication variance, compute the final error sum of squares and error degrees of freedom. Using these, perform F-test on the treatment variance component and get the corresponding p-value (5 marks) and F-test status (2 marks) at the given alpha.

Arrange all the treatment level sample means in a descending order.

Irrespective of the outcome of the F-test on the treatment variance, perform the post ANOVA t-test on the given pairs of the sorted list and get their p-values (2 X 3 = 6 marks).

AE18B029

Alpha = 0.0169128

post anova t-test pairs after sorting the sample means in descending order

1,7

11,13

1 @ , \$ 44.0267 @ , \$ 34.6623 @ , \$ 35.6388 @ , \$ 35.8839 @ , \$ 37.5369 @ , \$ 50.63 @ , \$ 43.7128 @ , \$ 49.4508 @ ,  
\$ 41.3981 @ , \$ 33.6318 @ , \$ 2 @ , \$ 230.794 @ , \$ 234.849 @ , \$ 229.724 @ , \$ 228.283 @ , \$ 229.948 @ , \$ 256.98 @ , \$ 226.358 @ , \$ 224.072  
@ , \$ 224.349 @ , \$ 224.356 @ , \$ 3 @ , \$ 124.394 @ , \$ 137.668 @ , \$ 140.866 @ , \$ 122.204 @ , \$ 123.006 @ , \$ 139.442 @ , \$ 130.907 @ , \$ 116.237  
@ , \$ 126.141 @ , \$ 127.386 @ , \$ 4 @ , \$ 135.258 @ , \$ 126.962 @ , \$ 131.934 @ , \$ 124.442 @ , \$ 119.463 @ , \$ 139.483 @ , \$ 123.085 @ , \$ 131.889  
@ , \$ 108.004 @ , \$ 137.955 @ , \$ 5 @ , \$ 20.5917 @ , \$ 3.10122 @ , \$ 11.366 @ , \$ 15.0102 @ , \$ 13.6225 @ , \$ 30.2376 @ , \$ 17.9517 @ , \$ 5.39212  
@ , \$ 27.8678 @ , \$ 14.0336 @ , \$ 6 @ , \$ 109.87 @ , \$ 111.176 @ , \$ 113.245 @ , \$ 103.724 @ , \$ 106.774 @ , \$ 142.873 @ , \$ 98.876 @ , \$ 78.9101 @  
, \$ 108.617 @ , \$ 99.4085 @ , \$ 7 @ , \$ 27.881 @ , \$ 16.2414 @ , \$ 27.3095 @ , \$ 31.5792 @ , \$ 24.9116 @ , \$ 44.9667 @ , \$ 30.0611 @ , \$ 28.8571  
@ , \$ 34.048 @ , \$ 31.5289 @ , \$ 8 @ , \$ 257.358 @ , \$ 256.19 @ , \$ 253.589 @ , \$ 253.164 @ , \$ 257.72 @ , \$ 270.314 @ , \$ 263.033 @ , \$ 257.342 @  
, \$ 255.745 @ , \$ 256.197 @ , \$ 9 @ , \$ 276.479 @ , \$ 273.885 @ , \$ 278.715 @ , \$ 268.66 @ , \$ 271.167 @ , \$ 296.1 @ , \$ 272.683 @ , \$ 274.931 @ ,  
\$ 274.24 @ , \$ 278.177 @ , \$ 10 @ , \$ 117.986 @ , \$ 117.133 @ , \$ 106.714 @ , \$ 101.684 @ , \$ 110.4 @ , \$ 114.878 @ , \$ 112.402 @ , \$ 134.084  
@ , \$ 117.842 @ , \$ 101.662 @ , \$ 11 @ , \$ 65.4633 @ , \$ 67.0125 @ , \$ 72.0818 @ , \$ 68.6925 @ , \$ 70.6345 @ , \$ 87.3155 @ , \$ 68.363 @ , \$ 68.5228  
@ , \$ 66.6491 @ , \$ 71.0852 @ , \$ 12 @ , \$ 201.853 @ , \$ 202.134 @ , \$ 196.566 @ , \$ 207.97 @ , \$ 198.42 @ , \$ 210.423 @ , \$ 207.283 @ , \$ 195.124  
@ , \$ 197.573 @ , \$ 198.168 @ , \$ 13 @ , \$ 284.985 @ , \$ 285.768 @ , \$ 284.925 @ , \$ 288.806 @ , \$ 293.598 @ , \$ 289.589 @ , \$ 279.313 @ , \$  
290.312 @ , \$ 294.313 @ , \$ 285.314 @ , \$ 14 @ , \$ 261.031 @ , \$ 280.294 @ , \$ 277.512 @ , \$ 262.988 @ , \$ 267.763 @ , \$ 302.644 @ , \$ 264.327 @ , \$  
255.108 @ , \$ 260.551 @ , \$ 271.585 @ , \$ 15 @ , \$ 235.622 @ , \$ 240.856 @ , \$ 217.109 @ , \$ 240.706 @ , \$ 239.952 @ , \$ 238.426 @ , \$ 233.828 @ , \$  
219.722 @ , \$ 237.771 @ , \$ 228.591 @ , \$

AE19B002

Alpha = 0.0737359

post anova t-test pairs after sorting the sample means in descending order

1,6

10,13

1 @ , \$ 35.4689 @ , \$ 62.1758 @ , \$ 68.2847 @ , \$ 48.799 @ , \$ 52.6528 @ , \$ 60.4928 @ , \$ 38.1058 @ , \$ 70.9362  
@ , \$ 60.0477 @ , \$ 33.8805 @ , \$ 2 @ , \$ 143.136 @ , \$ 136.629 @ , \$ 153.694 @ , \$ 144.487 @ , \$ 126.842 @ , \$ 165.714 @ , \$ 150.726 @ , \$ 136.995  
@ , \$ 147.297 @ , \$ 145.243 @ , \$ 3 @ , \$ 128.794 @ , \$ 131.769 @ , \$ 133.18 @ , \$ 130.105 @ , \$ 123.205 @ , \$ 140.548 @ , \$ 133.197 @ , \$ 126.123  
@ , \$ 133.229 @ , \$ 144.997 @ , \$ 4 @ , \$ 30.0646 @ , \$ 39.8917 @ , \$ 42.4495 @ , \$ 40.6485 @ , \$ 34.843 @ , \$ 41.4928 @ , \$ 46.875 @ , \$ 43.0444 @  
, \$ 26.5024 @ , \$ 27.3227 @ , \$ 5 @ , \$ 125.418 @ , \$ 109.728 @ , \$ 132.556 @ , \$ 113.504 @ , \$ 116.334 @ , \$ 127.797 @ , \$ 110.078 @ , \$ 129.668  
@ , \$ 114.083 @ , \$ 109.4 @ , \$ 6 @ , \$ 180.224 @ , \$ 187.562 @ , \$ 179.461 @ , \$ 185.393 @ , \$ 181.464 @ , \$ 197.701 @ , \$ 190.056 @ , \$ 184.221

@, \$ 184.865 @, \$ 177.061 @, \$ 7 @, \$ 27.621 @, \$ 28.9501 @, \$ 27.3804 @, \$ 31.21 @, \$ 33.2496 @, \$ 53.4388 @, \$ 25.9601 @, \$ 28.7646 @, \$ 24.6638 @, \$ 25.027 @, \$ 8 @, \$ 13.8925 @, \$ 8.39657 @, \$ 19.2798 @, \$ 19.1896 @, \$ 12.4406 @, \$ 16.0644 @, \$ 8.08782 @, \$ 14.8602 @, \$ 18.1572 @, \$ 11.4826 @, \$ 9 @, \$ 235.455 @, \$ 233.288 @, \$ 231.254 @, \$ 231.731 @, \$ 235.866 @, \$ 241.892 @, \$ 229.35 @, \$ 235.765 @, \$ 229.116 @, \$ 230.231 @, \$ 10 @, \$ 226.76 @, \$ 214.528 @, \$ 223.765 @, \$ 223.214 @, \$ 224.3 @, \$ 240.021 @, \$ 223.26 @, \$ 227.729 @, \$ 230.889 @, \$ 224.41 @, \$ 11 @, \$ 268.899 @, \$ 258.996 @, \$ 260.783 @, \$ 270.199 @, \$ 269.856 @, \$ 263.594 @, \$ 260.65 @, \$ 278.952 @, \$ 261.956 @, \$ 277.088 @, \$ 12 @, \$ 145.367 @, \$ 122.155 @, \$ 133.157 @, \$ 137.726 @, \$ 140.804 @, \$ 156.413 @, \$ 138.127 @, \$ 151.902 @, \$ 147.492 @, \$ 144.558 @, \$ 13 @, \$ 243.746 @, \$ 266.619 @, \$ 254.305 @, \$ 254.304 @, \$ 244.148 @, \$ 257.437 @, \$ 254.474 @, \$ 256.398 @, \$ 253.63 @, \$ 245.448 @, \$ 14 @, \$ 156.856 @, \$ 163.868 @, \$ 157.24 @, \$ 154.11 @, \$ 152.993 @, \$ 186.334 @, \$ 150.205 @, \$ 156.218 @, \$ 169.171 @, \$ 152.207 @, \$ 15 @, \$ 2.67192 @, \$ 10.5673 @, \$ 6.55571 @, \$ -0.392733 @, \$ 7.5776 @, \$ 15.9786 @, \$ -4.51183 @, \$ 4.62953 @, \$ 6.83006 @, \$ 7.01619 @, \$

AE19B004

Alpha = 0.0639364

post anova t-test pairs after sorting the sample means in descending order

3,5

12,14

1 @, \$ 226.058 @, \$ 227.184 @, \$ 232.387 @, \$ 217.893 @, \$ 234.49 @, \$ 232.234 @, \$ 249.357 @, \$ 227.363 @, \$ 224.929 @, \$ 218.857 @, \$ 2 @, \$ 114.899 @, \$ 110.742 @, \$ 115.707 @, \$ 113.014 @, \$ 115.051 @, \$ 133.904 @, \$ 116.243 @, \$ 112.842 @, \$ 114.322 @, \$ 114.485 @, \$ 3 @, \$ 80.2123 @, \$ 78.7045 @, \$ 88.248 @, \$ 96.6734 @, \$ 100.158 @, \$ 110.002 @, \$ 108.248 @, \$ 82.3515 @, \$ 88.7043 @, \$ 99.0683 @, \$ 4 @, \$ 9.87008 @, \$ 7.73745 @, \$ 8.23169 @, \$ 7.62265 @, \$ 5.57884 @, \$ 19.5505 @, \$ 11.085 @, \$ 7.07564 @, \$ 8.10149 @, \$ 12.1509 @, \$ 5 @, \$ 7.62576 @, \$ 24.3262 @, \$ 21.4736 @, \$ 14.1397 @, \$ 12.465 @, \$ 40.7979 @, \$ 17.3007 @, \$ 11.4416 @, \$ 12.5652 @, \$ 18.4885 @, \$ 6 @, \$ 237.618 @, \$ 241.565 @, \$ 240.988 @, \$ 233.4 @, \$ 240.113 @, \$ 271.747 @, \$ 238.009 @, \$ 249.584 @, \$ 240.806 @, \$ 246.395 @, \$ 7 @, \$ 251.006 @, \$ 254.38 @, \$ 250.907 @, \$ 252.311 @, \$ 251.366 @, \$ 260.747 @, \$ 251.305 @, \$ 253.07 @, \$ 256.575 @, \$ 256.892 @, \$ 8 @, \$ 281.291 @, \$ 286.43 @, \$ 291.416 @, \$ 280.996 @, \$ 285.52 @, \$ 297.04 @, \$ 280.01 @, \$ 296.207 @, \$ 286.989 @, \$ 279.113 @, \$ 9 @, \$ 5.74918 @, \$ 12.5397 @, \$ 6.21081 @, \$ 2.97341 @, \$ 5.66672 @, \$ 19.0338 @, \$ 5.81294 @, \$ 13.9127 @, \$ 14.6956 @, \$ 8.43016 @, \$ 10 @, \$ 93.8799 @, \$ 74.422 @, \$ 92.5428 @, \$ 105.194 @, \$ 91.3987 @, \$ 96.4858 @, \$ 84.5155 @, \$ 85.4379 @, \$ 93.4869 @, \$ 82.7585 @, \$ 11 @, \$ 118.108 @, \$ 129.254 @, \$ 125.058 @, \$ 125.507 @, \$ 131.463 @, \$ 141.306 @, \$ 111.872 @, \$ 119.397 @, \$ 118.677 @, \$ 122.427 @, \$ 12 @, \$ 3.51136 @, \$ 5.45363 @, \$ 2.39407 @, \$ 4.20495 @, \$ 2.85289 @, \$ 27.8331 @, \$ -0.18471 @, \$ 4.99005 @, \$ 2.22107 @, \$ 2.41737 @, \$ 13 @, \$ 62.3198 @, \$ 66.1382 @, \$ 63.4294 @, \$ 68.6054 @, \$ 65.6777 @, \$ 88.9003 @, \$ 51.9713 @, \$ 64.2637 @, \$ 65.4589 @, \$ 69.6519 @, \$ 14 @, \$ 77.4463 @, \$ 73.6596 @, \$ 86.3549 @, \$ 79.0614 @, \$ 89.8386 @, \$ 94.874 @, \$ 73.4193 @, \$ 76.9156 @, \$ 73.473 @, \$ 73.0827 @, \$

15 @ , \$ 216.303 @ , \$ 209.904 @ , \$ 218.249 @ , \$ 214.006 @ , \$ 215.358 @ , \$ 229.653 @ , \$ 221.819 @ , \$ 220.943 @ , \$ 216.662 @ , \$ 215.878 @ , \$

#### AE19B012

Alpha = 0.0283158

post anova t-test pairs after sorting the sample means in descending order

3,6

11,14

1 @ , \$ 166.258 @ , \$ 169.173 @ , \$ 168.757 @ , \$ 169.525 @ , \$ 167.139 @ , \$ 189.466 @ , \$ 166.992 @ , \$ 168.492 @ , \$ 166.867 @ , \$ 170.965 @ , \$

2 @ , \$ 234.615 @ , \$ 237.52 @ , \$ 238.43 @ , \$ 234.321 @ , \$ 219.298 @ , \$ 217.929 @ , \$ 237.264 @ , \$ 230.326 @ , \$ 229.582 @ , \$ 236.695 @ , \$

3 @ , \$ 259.195 @ , \$ 258.907 @ , \$ 258.851 @ , \$ 259.505 @ , \$ 255.551 @ , \$ 262.871 @ , \$ 275.146 @ , \$ 271.09 @ , \$ 286.419 @ , \$ 258.059 @ , \$

4 @ , \$ 217.511 @ , \$ 220.185 @ , \$ 217.966 @ , \$ 220.903 @ , \$ 209.873 @ , \$ 218.998 @ , \$ 219.956 @ , \$ 218.496 @ , \$ 212.947 @ , \$ 217.574 @ , \$

5 @ , \$ 238.613 @ , \$ 216.627 @ , \$ 234.434 @ , \$ 207.268 @ , \$ 227.154 @ , \$ 238.914 @ , \$ 226.731 @ , \$ 235.081 @ , \$ 230.612 @ , \$ 231.998 @ , \$

6 @ , \$ 225.776 @ , \$ 229.787 @ , \$ 223.383 @ , \$ 229.821 @ , \$ 228.33 @ , \$ 240.448 @ , \$ 223.943 @ , \$ 225.321 @ , \$ 216.415 @ , \$ 229.317 @ , \$

7 @ , \$ 142.91 @ , \$ 120.603 @ , \$ 139.643 @ , \$ 135.752 @ , \$ 136.295 @ , \$ 126.696 @ , \$ 143.276 @ , \$ 131.684 @ , \$ 122.041 @ , \$ 140.736 @ , \$

8 @ , \$ 312.366 @ , \$ 292.237 @ , \$ 310.077 @ , \$ 306.965 @ , \$ 308.672 @ , \$ 306.264 @ , \$ 290.999 @ , \$ 307.824 @ , \$ 303.638 @ , \$ 302.97 @ , \$

9 @ , \$ 143.113 @ , \$ 142.618 @ , \$ 146.538 @ , \$ 143.154 @ , \$ 141.58 @ , \$ 145.098 @ , \$ 155.508 @ , \$ 149.102 @ , \$ 155.057 @ , \$ 151.576 @ , \$

10 @ , \$ 36.0876 @ , \$ 24.4508 @ , \$ 27.6056 @ , \$ 5.90906 @ , \$ 5.5603 @ , \$ 14.6141 @ , \$ 30.7916 @ , \$ 23.9254 @ , \$ 33.2192 @ , \$ 18.5406 @ , \$

11 @ , \$ 248.115 @ , \$ 253.113 @ , \$ 243.525 @ , \$ 252.202 @ , \$ 246.939 @ , \$ 270.039 @ , \$ 244.663 @ , \$ 236.539 @ , \$ 241.13 @ , \$ 241.309 @ , \$

12 @ , \$ 12.8598 @ , \$ 28.475 @ , \$ 13.4957 @ , \$ 30.2576 @ , \$ 31.7252 @ , \$ 25.931 @ , \$ 11.1611 @ , \$ 15.7069 @ , \$ 3.36824 @ , \$ 34.8508 @ , \$

13 @ , \$ 279.576 @ , \$ 284.618 @ , \$ 276.682 @ , \$ 288.518 @ , \$ 270.539 @ , \$ 282.654 @ , \$ 279.882 @ , \$ 277.115 @ , \$ 278.391 @ , \$ 263.608 @ , \$

14 @ , \$ 151.276 @ , \$ 147.109 @ , \$ 142.463 @ , \$ 160.04 @ , \$ 151.036 @ , \$ 143.741 @ , \$ 149.195 @ , \$ 146.376 @ , \$ 146.63 @ , \$ 148.754 @ , \$

15 @ , \$ 273.526 @ , \$ 269.141 @ , \$ 253.474 @ , \$ 286.752 @ , \$ 281.859 @ , \$ 265.236 @ , \$ 272.853 @ , \$ 268.415 @ , \$ 268.93 @ , \$ 263.521 @ , \$

#### AE19B015

Alpha = 0.0186023

post anova t-test pairs after sorting the sample means in descending order

3,7

11,13

1 @ , \$ 114.867 @ , \$ 77.9307 @ , \$ 97.0103 @ , \$ 100.846 @ , \$ 92.3287 @ , \$ 97.2815 @ , \$ 85.806 @ , \$ 102.648 @ , \$ 90.0849 @ , \$ 102.818 @ , \$

2 @ , \$ 147.063 @ , \$ 137.988 @ , \$ 140.488 @ , \$ 152.72 @ , \$ 144.766 @ , \$ 163.638 @ , \$ 159.646 @ , \$ 166.37 @ , \$ 145.205 @ , \$ 141.382 @ , \$

3 @ , \$ 104.766 @ , \$ 96.8721 @ , \$ 96.4193 @ , \$ 95.9173 @ , \$ 97.3239 @ , \$ 119.123 @ , \$ 100.174 @ , \$ 99.0992 @ , \$ 101.704 @ , \$ 104.153 @ , \$

4 @ , \$ 125.047 @ , \$ 138.401 @ , \$ 136.074 @ , \$ 133.643 @ , \$ 138.384 @ , \$ 161.393 @ , \$ 123.923 @ , \$ 138.241 @ , \$ 130.99 @ , \$ 138.116 @ , \$

5 @, \$ 74.7811 @, \$ 84.1322 @, \$ 82.4448 @, \$ 61.0331 @, \$ 83.2479 @, \$ 76.6292 @, \$ 82.71 @, \$ 93.8669 @, \$ 90.8818 @, \$ 66.1578 @, \$ 6 @, \$ 183.092 @, \$ 167.113 @, \$ 175.71 @, \$ 175.161 @, \$ 177.515 @, \$ 181.583 @, \$ 179.492 @, \$ 178.885 @, \$ 184.736 @, \$ 158.927 @, \$ 7 @, \$ 115.719 @, \$ 115.03 @, \$ 122.275 @, \$ 120.911 @, \$ 127.931 @, \$ 117.819 @, \$ 127.377 @, \$ 124.899 @, \$ 141.147 @, \$ 115.273 @, \$ 8 @, \$ 112.083 @, \$ 111.319 @, \$ 116.68 @, \$ 106.143 @, \$ 117.882 @, \$ 118.588 @, \$ 101.596 @, \$ 108.069 @, \$ 121.933 @, \$ 112.636 @, \$ 9 @, \$ 36.1951 @, \$ 58.478 @, \$ 41.7124 @, \$ 35.8231 @, \$ 37.34 @, \$ 60.0214 @, \$ 41.7447 @, \$ 51.2449 @, \$ 50.3165 @, \$ 32.7294 @, \$ 10 @, \$ 62.8802 @, \$ 62.7247 @, \$ 73.1695 @, \$ 61.4187 @, \$ 71.6214 @, \$ 64.5278 @, \$ 61.157 @, \$ 68.693 @, \$ 71.6455 @, \$ 65.3114 @, \$ 11 @, \$ 225.34 @, \$ 224.736 @, \$ 226.719 @, \$ 214.678 @, \$ 233.179 @, \$ 228.301 @, \$ 222.334 @, \$ 217.448 @, \$ 217.306 @, \$ 213.983 @, \$ 12 @, \$ 118.84 @, \$ 112.41 @, \$ 125.61 @, \$ 114.426 @, \$ 118.38 @, \$ 127.688 @, \$ 122.66 @, \$ 118.012 @, \$ 128.536 @, \$ 111.463 @, \$ 13 @, \$ 71.4416 @, \$ 70.5415 @, \$ 68.6836 @, \$ 71.9966 @, \$ 67.8631 @, \$ 77.1111 @, \$ 68.5341 @, \$ 78.8671 @, \$ 75.4809 @, \$ 69.6463 @, \$ 14 @, \$ 79.7121 @, \$ 99.2728 @, \$ 93.5385 @, \$ 94.5768 @, \$ 75.7085 @, \$ 91.6463 @, \$ 85.7469 @, \$ 95.7491 @, \$ 99.9997 @, \$ 66.6517 @, \$ 15 @, \$ 131.319 @, \$ 130.104 @, \$ 126.79 @, \$ 130.311 @, \$ 132.13 @, \$ 132.19 @, \$ 129.54 @, \$ 130.025 @, \$ 131.265 @, \$ 128.35 @, \$

AE19B035

Alpha = 0.0451408

post anova t-test pairs after sorting the sample means in descending order

3,8

10,13

1 @, \$ 66.1286 @, \$ 68.4919 @, \$ 64.4491 @, \$ 59.2747 @, \$ 56.247 @, \$ 69.4146 @, \$ 61.4339 @, \$ 60.8147 @, \$ 66.1014 @, \$ 63.8241 @, \$ 2 @, \$ 242.241 @, \$ 236.179 @, \$ 226.959 @, \$ 249.124 @, \$ 227.101 @, \$ 267.01 @, \$ 224.323 @, \$ 249.803 @, \$ 231.684 @, \$ 239.428 @, \$ 3 @, \$ 285.446 @, \$ 292.658 @, \$ 272.842 @, \$ 277.039 @, \$ 277.541 @, \$ 289.435 @, \$ 281.441 @, \$ 288.577 @, \$ 275.578 @, \$ 300.347 @, \$ 4 @, \$ 116.321 @, \$ 116.423 @, \$ 117.568 @, \$ 121.344 @, \$ 124.078 @, \$ 148.356 @, \$ 121.827 @, \$ 116.1 @, \$ 120.764 @, \$ 119.566 @, \$ 5 @, \$ 11.4375 @, \$ 19.5954 @, \$ 15.3207 @, \$ 11.3963 @, \$ 16.6488 @, \$ 20.1692 @, \$ 19.4866 @, \$ 9.29845 @, \$ 17.5456 @, \$ 25.3609 @, \$ 6 @, \$ 148.664 @, \$ 139.614 @, \$ 150.338 @, \$ 131.138 @, \$ 134.803 @, \$ 153.46 @, \$ 132.192 @, \$ 135.983 @, \$ 140.152 @, \$ 156.695 @, \$ 7 @, \$ 111.265 @, \$ 116.992 @, \$ 138.173 @, \$ 120.861 @, \$ 128.113 @, \$ 145.606 @, \$ 127.841 @, \$ 139.06 @, \$ 133.979 @, \$ 124.9 @, \$ 8 @, \$ 301.966 @, \$ 289.404 @, \$ 291.015 @, \$ 297.33 @, \$ 286.978 @, \$ 293.45 @, \$ 289.281 @, \$ 301.315 @, \$ 292.253 @, \$ 295.427 @, \$ 9 @, \$ 60.0011 @, \$ 54.2757 @, \$ 46.4404 @, \$ 20.3399 @, \$ 46.5617 @, \$ 58.5576 @, \$ 32.8598 @, \$ 34.1645 @, \$ 63.3657 @, \$ 39.3029 @, \$ 10 @, \$ 144.285 @, \$ 149.937 @, \$ 157.848 @, \$ 140.628 @, \$ 160.453 @, \$ 164.659 @, \$ 138.852 @, \$ 147.679 @, \$ 144.72 @, \$ 127.733 @, \$ 11 @, \$ 159.542 @, \$ 153.941 @, \$ 162.352 @, \$ 156.096 @, \$ 157.638 @, \$ 174.869 @, \$ 143.939 @, \$ 165.704 @, \$ 165.034 @, \$ 191.166 @, \$ 12 @, \$ 13.616 @, \$ 9.46459 @, \$ 8.64845 @, \$ 11.2467 @, \$ 14.6066 @, \$ 26.0147 @, \$ 10.6655 @, \$ 7.97309 @, \$ 10.3346 @, \$ 13.8352 @, \$ 13 @, \$ 149.882 @, \$ 178.647 @, \$ 143.29 @, \$ 174.943 @, \$ 154.831 @, \$ 169.982 @, \$ 161.485 @, \$ 180.722

@, \$ 162.664 @, \$ 180.374 @, \$  
14 @, \$ 189.955 @, \$ 189.28 @, \$ 189.201 @, \$ 189.345 @, \$ 188.984 @, \$ 205.3 @, \$ 189.347 @, \$ 189.396 @,  
, \$ 190.292 @, \$ 189.435 @, \$  
15 @, \$ 201.971 @, \$ 198.241 @, \$ 195.399 @, \$ 193.48 @, \$ 192.058 @, \$ 207.03 @, \$ 200.031 @, \$ 199.653  
@, \$ 197.452 @, \$ 187.917 @, \$

#### AE19B037

Alpha = 0.0773594

post anova t-test pairs after sorting the sample means in descending order

3,6

11,13

1 @, \$ 72.8809 @, \$ 73.8465 @, \$ 75.2945 @, \$ 71.6604 @, \$ 79.2462 @, \$ 71.7947 @, \$ 79.2655 @, \$ 72.8467  
@, \$ 73.4628 @, \$ 79.3985 @, \$  
2 @, \$ 6.46037 @, \$ 3.7012 @, \$ -0.368863 @, \$ 6.1859 @, \$ -10.7716 @, \$ 3.38155 @, \$ 1.92971 @, \$ 1.91478  
@, \$ 0.303655 @, \$ 15.7178 @, \$  
3 @, \$ 241.045 @, \$ 245.529 @, \$ 225.898 @, \$ 244.165 @, \$ 236.016 @, \$ 252.73 @, \$ 218.959 @, \$ 239.138  
@, \$ 232.032 @, \$ 235.406 @, \$  
4 @, \$ 18.4219 @, \$ 13.6965 @, \$ 20.5788 @, \$ 15.5408 @, \$ 18.3173 @, \$ 37.0114 @, \$ 17.6563 @, \$ 17.6083  
@, \$ 19.5903 @, \$ 24.2676 @, \$  
5 @, \$ 65.8785 @, \$ 44.2003 @, \$ 38.2463 @, \$ 73.7617 @, \$ 57.4949 @, \$ 77.299 @, \$ 54.8474 @, \$ 66.0193  
@, \$ 60.1161 @, \$ 64.5706 @, \$  
6 @, \$ 183.004 @, \$ 187.739 @, \$ 187.629 @, \$ 184.023 @, \$ 186.539 @, \$ 192.039 @, \$ 185.853 @, \$ 185.915  
@, \$ 186.876 @, \$ 186.725 @, \$  
7 @, \$ 60.0736 @, \$ 72.3453 @, \$ 66.7099 @, \$ 61.6255 @, \$ 77.4557 @, \$ 66.159 @, \$ 68.3175 @, \$ 60.3748  
@, \$ 86.6101 @, \$ 74.2964 @, \$  
8 @, \$ 36.0214 @, \$ 58.1572 @, \$ 52.4078 @, \$ 35.2472 @, \$ 44.7255 @, \$ 42.1387 @, \$ 40.7791 @, \$ 42.0058  
@, \$ 53.5704 @, \$ 50.2803 @, \$  
9 @, \$ 196.952 @, \$ 199.949 @, \$ 201.56 @, \$ 192.968 @, \$ 193.864 @, \$ 223.197 @, \$ 195.382 @, \$ 200.469  
@, \$ 171.114 @, \$ 206.976 @, \$  
10 @, \$ 197.327 @, \$ 209.762 @, \$ 191.407 @, \$ 218.479 @, \$ 199.89 @, \$ 222.323 @, \$ 198.186 @, \$ 208.331  
@, \$ 199.599 @, \$ 184.412 @, \$  
11 @, \$ 270.12 @, \$ 263.295 @, \$ 261.277 @, \$ 267.838 @, \$ 257.19 @, \$ 278.536 @, \$ 272.408 @, \$ 266.901  
@, \$ 256.801 @, \$ 271.27 @, \$  
12 @, \$ 263.943 @, \$ 268.316 @, \$ 277.968 @, \$ 276.241 @, \$ 282.838 @, \$ 272.492 @, \$ 268.525 @, \$  
261.614 @, \$ 260.24 @, \$ 281.12 @, \$  
13 @, \$ 214.455 @, \$ 218.545 @, \$ 223.709 @, \$ 223.577 @, \$ 223.158 @, \$ 227.826 @, \$ 220.24 @, \$ 223.778  
@, \$ 221.539 @, \$ 223.516 @, \$  
14 @, \$ 45.2433 @, \$ 51.1998 @, \$ 65.5775 @, \$ 62.1479 @, \$ 47.218 @, \$ 80.6332 @, \$ 66.141 @, \$ 64.0565  
@, \$ 50.6127 @, \$ 54.346 @, \$  
15 @, \$ 176.179 @, \$ 178.413 @, \$ 176.311 @, \$ 182.095 @, \$ 173.838 @, \$ 179.305 @, \$ 177.754 @, \$  
188.926 @, \$ 176.377 @, \$ 183.248 @, \$

#### AE19B048

Alpha = 0.0789289

post anova t-test pairs after sorting the sample means in descending order

2,4

11,13

1 @, \$ 99.8204 @, \$ 122.011 @, \$ 113.029 @, \$ 107.327 @, \$ 111.858 @, \$ 101.968 @, \$ 110.278 @, \$ 111.835  
@, \$ 100.172 @, \$ 111.259 @, \$  
2 @, \$ 149.645 @, \$ 166.274 @, \$ 158.713 @, \$ 162.707 @, \$ 156.336 @, \$ 169.395 @, \$ 170.65 @, \$ 155.535  
@, \$ 161.758 @, \$ 160.663 @, \$  
3 @, \$ 91.2992 @, \$ 101.857 @, \$ 92.7512 @, \$ 93.9941 @, \$ 99.2382 @, \$ 92.3304 @, \$ 84.9578 @, \$ 83.4241

@, \$ 90.5697 @, \$ 81.269 @, \$  
4 @, \$ 16.2752 @, \$ 14.8333 @, \$ 24.7383 @, \$ 18.3957 @, \$ 6.45557 @, \$ 28.5709 @, \$ 15.3692 @, \$ 22.929  
@, \$ 11.0843 @, \$ 24.0135 @, \$  
5 @, \$ 108.263 @, \$ 108.693 @, \$ 110 @, \$ 107.61 @, \$ 112.917 @, \$ 138.37 @, \$ 116.441 @, \$ 110.539 @, \$  
115.503 @, \$ 106.172 @, \$  
6 @, \$ 233.633 @, \$ 259.579 @, \$ 257.638 @, \$ 237.67 @, \$ 238.144 @, \$ 249.648 @, \$ 242.748 @, \$ 240.808  
@, \$ 238.791 @, \$ 244.281 @, \$  
7 @, \$ 252.051 @, \$ 251.244 @, \$ 250.333 @, \$ 249.775 @, \$ 251.787 @, \$ 260.038 @, \$ 255.624 @, \$ 251.132  
@, \$ 254.576 @, \$ 252.144 @, \$  
8 @, \$ 137.017 @, \$ 136.974 @, \$ 135.968 @, \$ 137.318 @, \$ 135.412 @, \$ 140.904 @, \$ 138.708 @, \$ 135.799  
@, \$ 134.79 @, \$ 137.833 @, \$  
9 @, \$ 90.3974 @, \$ 86.111 @, \$ 78.9112 @, \$ 77.2657 @, \$ 80.9787 @, \$ 111.258 @, \$ 77.4148 @, \$ 87.2634  
@, \$ 71.5146 @, \$ 78.3143 @, \$  
10 @, \$ 36.223 @, \$ 31.7894 @, \$ 41.2915 @, \$ 51.5838 @, \$ 22.1671 @, \$ 44.0393 @, \$ 52.7445 @, \$ 32.402  
@, \$ 32.143 @, \$ 21.0551 @, \$  
11 @, \$ 43.2639 @, \$ 42.655 @, \$ 39.1678 @, \$ 31.842 @, \$ 54.8049 @, \$ 57.2988 @, \$ 57.3783 @, \$ 44.6359  
@, \$ 42.99 @, \$ 55.0457 @, \$  
12 @, \$ 144.195 @, \$ 148.911 @, \$ 144.082 @, \$ 148.197 @, \$ 145.84 @, \$ 152.361 @, \$ 143.85 @, \$ 144.091  
@, \$ 146.495 @, \$ 147.031 @, \$  
13 @, \$ 217.71 @, \$ 213.825 @, \$ 212.985 @, \$ 220.13 @, \$ 220.089 @, \$ 223.306 @, \$ 202.807 @, \$ 215.957  
@, \$ 217.024 @, \$ 217.848 @, \$  
14 @, \$ 102.21 @, \$ 100.021 @, \$ 108.678 @, \$ 114.244 @, \$ 113.34 @, \$ 112.436 @, \$ 117.996 @, \$ 107.17 @,  
\$ 110.55 @, \$ 108.842 @, \$  
15 @, \$ 77.7491 @, \$ 70.1233 @, \$ 76.4944 @, \$ 70.1735 @, \$ 70.6834 @, \$ 94.8528 @, \$ 74.598 @, \$ 72.2255  
@, \$ 67.679 @, \$ 84.4605 @, \$

AE19B053

Alpha = 0.0656829

post anova t-test pairs after sorting the sample means in descending order

1,5

12,14

1 @, \$ 185.307 @, \$ 187.159 @, \$ 195.379 @, \$ 178.213 @, \$ 181.488 @, \$ 181.336 @, \$ 178.702 @, \$ 182.634  
@, \$ 171.597 @, \$ 187.897 @, \$  
2 @, \$ 207.847 @, \$ 209.384 @, \$ 224.587 @, \$ 205.432 @, \$ 199.585 @, \$ 210.114 @, \$ 217.177 @, \$ 210.179  
@, \$ 208.065 @, \$ 204.796 @, \$  
3 @, \$ 120.454 @, \$ 119.103 @, \$ 117.404 @, \$ 118.057 @, \$ 117.944 @, \$ 116.482 @, \$ 113.942 @, \$ 117.976  
@, \$ 116.881 @, \$ 121.475 @, \$  
4 @, \$ 151.291 @, \$ 158.736 @, \$ 140.588 @, \$ 148.577 @, \$ 134.311 @, \$ 157.419 @, \$ 161.896 @, \$ 153.663  
@, \$ 154.973 @, \$ 145.574 @, \$  
5 @, \$ 28.4512 @, \$ 29.3195 @, \$ 26.5118 @, \$ 26.7035 @, \$ 12.7378 @, \$ 29.0891 @, \$ 24.7462 @, \$ 29.8844  
@, \$ 20.077 @, \$ 18.8935 @, \$  
6 @, \$ 37.0832 @, \$ 39.8955 @, \$ 38.9245 @, \$ 32.6169 @, \$ 41.9025 @, \$ 43.1843 @, \$ 31.9194 @, \$ 36.0531  
@, \$ 29.176 @, \$ 37.9402 @, \$  
7 @, \$ 146.217 @, \$ 143.891 @, \$ 153.396 @, \$ 149.474 @, \$ 148.878 @, \$ 151.022 @, \$ 154.631 @, \$ 150.456  
@, \$ 153.766 @, \$ 151.732 @, \$  
8 @, \$ 113.403 @, \$ 118.309 @, \$ 122.627 @, \$ 112.833 @, \$ 123.272 @, \$ 131.8 @, \$ 107.185 @, \$ 124.127 @,  
\$ 118.565 @, \$ 112.064 @, \$  
9 @, \$ 165.926 @, \$ 182.598 @, \$ 178.253 @, \$ 188.135 @, \$ 157.869 @, \$ 194.095 @, \$ 178.878 @, \$ 168.793  
@, \$ 183.4 @, \$ 177.382 @, \$  
10 @, \$ 45.3918 @, \$ 33.0141 @, \$ 39.3555 @, \$ 31.1896 @, \$ 42.4472 @, \$ 49.3304 @, \$ 29.5584 @, \$  
33.7546 @, \$ 29.287 @, \$ 30.6852 @, \$  
11 @, \$ 104.111 @, \$ 101.898 @, \$ 101.895 @, \$ 102.17 @, \$ 103.964 @, \$ 124.14 @, \$ 101.076 @, \$ 103.284  
@, \$ 103.494 @, \$ 102.13 @, \$

12 @ , \$ 141.773 @ , \$ 147.847 @ , \$ 152.664 @ , \$ 145.914 @ , \$ 164.142 @ , \$ 170.58 @ , \$ 158.929 @ , \$ 148.327 @ , \$ 151.59 @ , \$ 146.539 @ , \$ 13 @ , \$ 268.967 @ , \$ 251.888 @ , \$ 277.902 @ , \$ 273.411 @ , \$ 259.549 @ , \$ 264.238 @ , \$ 253.407 @ , \$ 271.935 @ , \$ 285.834 @ , \$ 281.861 @ , \$ 14 @ , \$ 204.823 @ , \$ 194.723 @ , \$ 189.462 @ , \$ 203.033 @ , \$ 193.771 @ , \$ 218.468 @ , \$ 214.239 @ , \$ 205.878 @ , \$ 204.918 @ , \$ 207.171 @ , \$ 15 @ , \$ 274.757 @ , \$ 273.276 @ , \$ 270.555 @ , \$ 269.02 @ , \$ 272.267 @ , \$ 283.703 @ , \$ 274.269 @ , \$ 265.409 @ , \$ 272.494 @ , \$ 269.949 @ , \$

AE19B101

Alpha = 0.0236234

post anova t-test pairs after sorting the sample means in descending order

2,7

9,15

1 @ , \$ 131.988 @ , \$ 153.362 @ , \$ 150.024 @ , \$ 155.294 @ , \$ 141.853 @ , \$ 108.289 @ , \$ 154.435 @ , \$ 140.705 @ , \$ 155.027 @ , \$ 142.137 @ , \$ 2 @ , \$ 58.6896 @ , \$ 54.359 @ , \$ 54.3435 @ , \$ 59.4263 @ , \$ 56.2848 @ , \$ 70.0706 @ , \$ 54.3937 @ , \$ 39.4462 @ , \$ 63.6859 @ , \$ 62.3277 @ , \$ 3 @ , \$ 78.4768 @ , \$ 91.8263 @ , \$ 91.0316 @ , \$ 96.571 @ , \$ 78.9706 @ , \$ 95.8426 @ , \$ 94.3121 @ , \$ 89.3424 @ , \$ 84.1227 @ , \$ 91.4516 @ , \$ 4 @ , \$ 44.0502 @ , \$ 52.4853 @ , \$ 56.7824 @ , \$ 51.0012 @ , \$ 43.2556 @ , \$ 65.0413 @ , \$ 44.5873 @ , \$ 60.0157 @ , \$ 57.0866 @ , \$ 40.6753 @ , \$ 5 @ , \$ 300.532 @ , \$ 298.443 @ , \$ 286.164 @ , \$ 293.362 @ , \$ 294.817 @ , \$ 311.674 @ , \$ 295.689 @ , \$ 286.317 @ , \$ 293.87 @ , \$ 290.332 @ , \$ 6 @ , \$ 286.881 @ , \$ 295.421 @ , \$ 298.208 @ , \$ 301.489 @ , \$ 296.25 @ , \$ 300.675 @ , \$ 283.358 @ , \$ 294.415 @ , \$ 296.835 @ , \$ 296.595 @ , \$ 7 @ , \$ 193.863 @ , \$ 198.373 @ , \$ 169.176 @ , \$ 191.637 @ , \$ 195.854 @ , \$ 205.687 @ , \$ 196.568 @ , \$ 195.561 @ , \$ 198.67 @ , \$ 192.435 @ , \$ 8 @ , \$ 28.674 @ , \$ 28.1253 @ , \$ 25.8241 @ , \$ 28.2251 @ , \$ 28.3659 @ , \$ 46.2835 @ , \$ 29.2416 @ , \$ 27.1659 @ , \$ 26.5183 @ , \$ 26.9179 @ , \$ 9 @ , \$ 214.394 @ , \$ 220.475 @ , \$ 208.803 @ , \$ 217.857 @ , \$ 219.411 @ , \$ 242.538 @ , \$ 222.399 @ , \$ 211.396 @ , \$ 216.146 @ , \$ 220.007 @ , \$ 10 @ , \$ 122.312 @ , \$ 131.453 @ , \$ 132.44 @ , \$ 146.553 @ , \$ 133.554 @ , \$ 146.2 @ , \$ 130.364 @ , \$ 130.808 @ , \$ 136.296 @ , \$ 129.845 @ , \$ 11 @ , \$ 190.194 @ , \$ 197.176 @ , \$ 193.96 @ , \$ 185.572 @ , \$ 181.203 @ , \$ 206.295 @ , \$ 182.519 @ , \$ 200.766 @ , \$ 194.667 @ , \$ 184.992 @ , \$ 12 @ , \$ 172.189 @ , \$ 177.73 @ , \$ 160.091 @ , \$ 151.998 @ , \$ 161.305 @ , \$ 179.097 @ , \$ 175.622 @ , \$ 154.419 @ , \$ 151.908 @ , \$ 167.931 @ , \$ 13 @ , \$ 158.129 @ , \$ 148.162 @ , \$ 147.716 @ , \$ 140.908 @ , \$ 161.732 @ , \$ 162.178 @ , \$ 153.951 @ , \$ 154.895 @ , \$ 147.633 @ , \$ 159.917 @ , \$ 14 @ , \$ 65.2323 @ , \$ 66.02 @ , \$ 71.6704 @ , \$ 60.2137 @ , \$ 61.2888 @ , \$ 39.0665 @ , \$ 70.0452 @ , \$ 57.9017 @ , \$ 59.5261 @ , \$ 61.3975 @ , \$ 15 @ , \$ 138.559 @ , \$ 140.776 @ , \$ 130.696 @ , \$ 126.035 @ , \$ 127.709 @ , \$ 150.039 @ , \$ 132.209 @ , \$ 129.784 @ , \$ 147.175 @ , \$ 118.445 @ , \$

BE18B027

Alpha = 0.02363

post anova t-test pairs after sorting the sample means in descending order

1,6

10,14

1 @ , \$ 176.465 @ , \$ 185.816 @ , \$ 186.07 @ , \$ 180.64 @ , \$ 182.571 @ , \$ 195.222 @ , \$ 176.679 @ , \$ 179.135 @ , \$ 182.63 @ , \$ 178.521 @ , \$

2 @, \$ 215.995 @, \$ 219.545 @, \$ 224.544 @, \$ 223.69 @, \$ 224.084 @, \$ 222.302 @, \$ 216.557 @, \$ 205.453 @, \$ 227.361 @, \$ 227.972 @, \$ 3 @, \$ 276.699 @, \$ 279.725 @, \$ 280.421 @, \$ 276.504 @, \$ 258.934 @, \$ 267.766 @, \$ 271.373 @, \$ 266.641 @, \$ 292.37 @, \$ 280.855 @, \$ 4 @, \$ 81.8031 @, \$ 82.0338 @, \$ 90.7403 @, \$ 88.8097 @, \$ 88.1018 @, \$ 113.677 @, \$ 85.0199 @, \$ 85.7619 @, \$ 85.7892 @, \$ 82.3622 @, \$ 5 @, \$ 93.6583 @, \$ 78.7098 @, \$ 89.2881 @, \$ 83.3145 @, \$ 90.7113 @, \$ 100.753 @, \$ 96.681 @, \$ 86.4447 @, \$ 87.2661 @, \$ 85.4706 @, \$ 6 @, \$ 18.7525 @, \$ 11.1073 @, \$ 12.8087 @, \$ 23.6193 @, \$ 18.0765 @, \$ 20.3471 @, \$ 17.678 @, \$ 12.862 @, \$ 12.456 @, \$ 14.3683 @, \$ 7 @, \$ 96.6666 @, \$ 81.8405 @, \$ 76.393 @, \$ 71.9437 @, \$ 94.61 @, \$ 77.6955 @, \$ 86.7912 @, \$ 84.4445 @, \$ 85.3951 @, \$ 95.1078 @, \$ 8 @, \$ 218.887 @, \$ 229.966 @, \$ 218.617 @, \$ 211.166 @, \$ 222.047 @, \$ 222.837 @, \$ 227.517 @, \$ 199.409 @, \$ 236.539 @, \$ 215.636 @, \$ 9 @, \$ 100.941 @, \$ 112.725 @, \$ 117.581 @, \$ 99.3611 @, \$ 104.033 @, \$ 125.331 @, \$ 115.825 @, \$ 112.032 @, \$ 121.827 @, \$ 104.088 @, \$ 10 @, \$ 216.916 @, \$ 221.898 @, \$ 226.619 @, \$ 231.567 @, \$ 215.195 @, \$ 228.226 @, \$ 213.552 @, \$ 237.302 @, \$ 219.185 @, \$ 240.417 @, \$ 11 @, \$ 146.843 @, \$ 147.845 @, \$ 148.317 @, \$ 145.905 @, \$ 149.923 @, \$ 154.552 @, \$ 148.891 @, \$ 149.605 @, \$ 149.045 @, \$ 146.85 @, \$ 12 @, \$ 83.9793 @, \$ 63.4944 @, \$ 57.9657 @, \$ 36.7684 @, \$ 49.6396 @, \$ 60.9552 @, \$ 40.6584 @, \$ 75.8093 @, \$ 52.2388 @, \$ 47.7091 @, \$ 13 @, \$ 62.4936 @, \$ 55.4241 @, \$ 67.7519 @, \$ 64.0731 @, \$ 62.4217 @, \$ 76.8469 @, \$ 66.0161 @, \$ 44.3084 @, \$ 57.4347 @, \$ 56.3893 @, \$ 14 @, \$ 131.466 @, \$ 127.79 @, \$ 130.102 @, \$ 131.18 @, \$ 123.815 @, \$ 162.064 @, \$ 119.884 @, \$ 123.443 @, \$ 127.382 @, \$ 130.452 @, \$ 15 @, \$ 238.861 @, \$ 199.507 @, \$ 218.507 @, \$ 230.524 @, \$ 239.316 @, \$ 229.91 @, \$ 209.162 @, \$ 207.367 @, \$ 224.152 @, \$ 214.76 @, \$

BE18B033

Alpha = 0.0988742

post anova t-test pairs after sorting the sample means in descending order

2,8

9,15

1 @, \$ 185.921 @, \$ 182.334 @, \$ 173.801 @, \$ 187.165 @, \$ 176.769 @, \$ 200.967 @, \$ 179.518 @, \$ 184.576 @, \$ 185.771 @, \$ 173.623 @, \$ 2 @, \$ 185.607 @, \$ 174.121 @, \$ 190.682 @, \$ 163.302 @, \$ 194.228 @, \$ 183.146 @, \$ 161.505 @, \$ 177.588 @, \$ 176.063 @, \$ 184.752 @, \$ 3 @, \$ 106.619 @, \$ 103.588 @, \$ 107.041 @, \$ 107.838 @, \$ 97.9516 @, \$ 121.231 @, \$ 106.158 @, \$ 98.3122 @, \$ 93.6458 @, \$ 118.704 @, \$ 4 @, \$ 93.4475 @, \$ 88.2434 @, \$ 85.542 @, \$ 80.3014 @, \$ 91.4349 @, \$ 105.046 @, \$ 100.531 @, \$ 96.9456 @, \$ 93.5738 @, \$ 86.9217 @, \$ 5 @, \$ 17.3669 @, \$ 22.6756 @, \$ 15.1586 @, \$ 14.3568 @, \$ 4.62783 @, \$ 39.407 @, \$ 5.47891 @, \$ 4.63611 @, \$ 17.5685 @, \$ 8.17659 @, \$ 6 @, \$ 226.199 @, \$ 219.344 @, \$ 235.729 @, \$ 234.453 @, \$ 241.516 @, \$ 262.123 @, \$ 242.054 @, \$ 255.749 @, \$ 245.135 @, \$ 220.327 @, \$ 7 @, \$ 35.3727 @, \$ 36.6577 @, \$ 30.1367 @, \$ 28.1991 @, \$ 41.1895 @, \$ 50.8476 @, \$ 34.1073 @, \$ 36.8925 @, \$ 38.8215 @, \$ 34.7196 @, \$ 8 @, \$ 280.993 @, \$ 272.926 @, \$ 264.392 @, \$ 254.501 @, \$ 271.843 @, \$ 315.232 @, \$ 286.64 @, \$ 277.513 @, \$ 280.272 @, \$ 296.185 @, \$ 9 @, \$ 129.507 @, \$ 110.918 @, \$ 116.003 @, \$ 111.355 @, \$ 129.962 @, \$ 127.831 @, \$ 120.38 @, \$ 112.77 @, \$ 106.354 @, \$ 126.883 @, \$ 10 @, \$ 215.948 @, \$ 220.404 @, \$ 219.225 @, \$ 215.472 @, \$ 213.944 @, \$ 229.366 @, \$ 216.649 @, \$

228.865 @, \$ 226.748 @, \$ 218.83 @, \$  
11 @, \$ 265.754 @, \$ 273.639 @, \$ 264.56 @, \$ 260.338 @, \$ 255.49 @, \$ 273.497 @, \$ 262.135 @, \$ 272.123  
@, \$ 267.725 @, \$ 256.467 @, \$  
12 @, \$ 159.379 @, \$ 172.447 @, \$ 153.883 @, \$ 159.091 @, \$ 161.971 @, \$ 165.607 @, \$ 139.061 @, \$  
156.969 @, \$ 159.702 @, \$ 146.531 @, \$  
13 @, \$ 183.997 @, \$ 186.543 @, \$ 179.827 @, \$ 176.119 @, \$ 183.76 @, \$ 186.815 @, \$ 181.4 @, \$ 185.201 @  
@, \$ 170.116 @, \$ 181.219 @, \$  
14 @, \$ 181.91 @, \$ 186.955 @, \$ 193.63 @, \$ 196.053 @, \$ 190.458 @, \$ 202.311 @, \$ 192.632 @, \$ 193.485  
@, \$ 184.784 @, \$ 185.092 @, \$  
15 @, \$ 152.464 @, \$ 158.458 @, \$ 149.742 @, \$ 153.341 @, \$ 149.659 @, \$ 158.032 @, \$ 154.597 @, \$  
149.844 @, \$ 153.677 @, \$ 150.289 @, \$

#### BE19B004

Alpha = 0.0468661

post anova t-test pairs after sorting the sample means in descending order

2,4

12,15

1 @, \$ 269.142 @, \$ 267.803 @, \$ 270.558 @, \$ 273.057 @, \$ 272.538 @, \$ 271.347 @, \$ 269.493 @, \$ 267.779  
@, \$ 268.354 @, \$ 270.94 @, \$  
2 @, \$ 206.219 @, \$ 216.03 @, \$ 207.09 @, \$ 214.232 @, \$ 219.12 @, \$ 219.765 @, \$ 212.026 @, \$ 226.068 @,  
\$ 210.494 @, \$ 214.3 @, \$  
3 @, \$ 33.461 @, \$ 51.8215 @, \$ 40.3855 @, \$ 33.1735 @, \$ 43.4569 @, \$ 63.5578 @, \$ 55.8923 @, \$ 51.7306  
@, \$ 43.6471 @, \$ 45.4198 @, \$  
4 @, \$ 182.868 @, \$ 190.395 @, \$ 185.079 @, \$ 195.426 @, \$ 186.171 @, \$ 208.32 @, \$ 190.609 @, \$ 181.37 @  
@, \$ 193.589 @, \$ 187.033 @, \$  
5 @, \$ 63.9466 @, \$ 69.6799 @, \$ 69.2498 @, \$ 52.8851 @, \$ 48.6647 @, \$ 57.2676 @, \$ 53.9648 @, \$ 65.856  
@, \$ 55.5657 @, \$ 50.0151 @, \$  
6 @, \$ 212.681 @, \$ 196.028 @, \$ 211.128 @, \$ 217.618 @, \$ 209.612 @, \$ 209.034 @, \$ 205.86 @, \$ 215.66 @  
@, \$ 203.137 @, \$ 197.923 @, \$  
7 @, \$ 210.571 @, \$ 215.428 @, \$ 211.334 @, \$ 205.909 @, \$ 216.736 @, \$ 218.874 @, \$ 210.373 @, \$ 216.176  
@, \$ 215.393 @, \$ 207.741 @, \$  
8 @, \$ 44.1279 @, \$ 49.6076 @, \$ 45.2967 @, \$ 41.904 @, \$ 57.7601 @, \$ 62.4767 @, \$ 45.7485 @, \$ 58.6677  
@, \$ 40.6586 @, \$ 30.3197 @, \$  
9 @, \$ 7.23266 @, \$ 6.00243 @, \$ 11.2678 @, \$ 8.41278 @, \$ 19.9841 @, \$ 5.79748 @, \$ -7.98553 @, \$ 6.21897  
@, \$ 13.831 @, \$ 5.63855 @, \$  
10 @, \$ 27.9249 @, \$ 23.0588 @, \$ 38.8277 @, \$ 36.4006 @, \$ 26.068 @, \$ 42.0926 @, \$ 39.3552 @, \$ 44.5633  
@, \$ 38.2792 @, \$ 34.2251 @, \$  
11 @, \$ 273.268 @, \$ 256.398 @, \$ 267.27 @, \$ 257.329 @, \$ 259.279 @, \$ 278.931 @, \$ 275.207 @, \$ 260.475  
@, \$ 266.071 @, \$ 267.247 @, \$  
12 @, \$ 249.693 @, \$ 226.96 @, \$ 228.316 @, \$ 247.63 @, \$ 238.235 @, \$ 254.555 @, \$ 229.824 @, \$ 247.423  
@, \$ 237.447 @, \$ 237.976 @, \$  
13 @, \$ 181.137 @, \$ 173.096 @, \$ 167.053 @, \$ 162.807 @, \$ 176.341 @, \$ 171.503 @, \$ 171.708 @, \$  
175.524 @, \$ 174.248 @, \$ 168.942 @, \$  
14 @, \$ 23.89 @, \$ 1.89138 @, \$ 24.3322 @, \$ 16.2339 @, \$ 25.2551 @, \$ 38.0661 @, \$ 14.9991 @, \$ 21.1387  
@, \$ 19.0318 @, \$ 14.0532 @, \$  
15 @, \$ 8.7961 @, \$ 16.4752 @, \$ 20.4602 @, \$ 10.102 @, \$ 23.1535 @, \$ 8.06645 @, \$ 11.5224 @, \$ 10.7758  
@, \$ 7.89791 @, \$ 3.89945 @, \$

#### BE19B016

Alpha = 0.0542308

post anova t-test pairs after sorting the sample means in descending order

2,4

9,13

1 @ , \$ 152.808 @ , \$ 159.51 @ , \$ 156.14 @ , \$ 155.085 @ , \$ 171.737 @ , \$ 181.138 @ , \$ 164.137 @ , \$ 155.221 @ , \$ 169.484 @ , \$ 154.219 @ , \$ 2 @ , \$ 2.48868 @ , \$ -2.17018 @ , \$ -4.76803 @ , \$ -5.75112 @ , \$ -12.2292 @ , \$ 27.7029 @ , \$ 4.45047 @ , \$ 10.7543 @ , \$ -6.51057 @ , \$ 2.68432 @ , \$ 3 @ , \$ 239.943 @ , \$ 231.765 @ , \$ 260.255 @ , \$ 231.291 @ , \$ 241.655 @ , \$ 223.011 @ , \$ 234.361 @ , \$ 243.383 @ , \$ 238.051 @ , \$ 234.146 @ , \$ 4 @ , \$ -2.38981 @ , \$ 3.278 @ , \$ -4.11198 @ , \$ 4.54113 @ , \$ -2.57701 @ , \$ -5.51133 @ , \$ -1.52064 @ , \$ 0.273341 @ , \$ 4.72298 @ , \$ 0.235982 @ , \$ 5 @ , \$ 280.978 @ , \$ 296.591 @ , \$ 296.488 @ , \$ 299.723 @ , \$ 304.524 @ , \$ 307.412 @ , \$ 297.52 @ , \$ 319.826 @ , \$ 299.626 @ , \$ 283.498 @ , \$ 6 @ , \$ 63.2989 @ , \$ 81.2399 @ , \$ 68.1796 @ , \$ 74.4384 @ , \$ 80.3517 @ , \$ 72.0823 @ , \$ 76.948 @ , \$ 84.5915 @ , \$ 67.6379 @ , \$ 82.642 @ , \$ 7 @ , \$ 146.859 @ , \$ 146.457 @ , \$ 142.555 @ , \$ 144.359 @ , \$ 136.384 @ , \$ 158.429 @ , \$ 140.234 @ , \$ 141.314 @ , \$ 145.264 @ , \$ 136.963 @ , \$ 8 @ , \$ 120.384 @ , \$ 123.561 @ , \$ 122.966 @ , \$ 118.468 @ , \$ 112.039 @ , \$ 138.593 @ , \$ 101.859 @ , \$ 106.645 @ , \$ 114.858 @ , \$ 113.607 @ , \$ 9 @ , \$ 228.22 @ , \$ 245.632 @ , \$ 234.298 @ , \$ 240.786 @ , \$ 205.23 @ , \$ 213.477 @ , \$ 224.005 @ , \$ 215.085 @ , \$ 234.57 @ , \$ 230.213 @ , \$ 10 @ , \$ 157.305 @ , \$ 145.722 @ , \$ 139.614 @ , \$ 170.278 @ , \$ 171.358 @ , \$ 139.648 @ , \$ 149.589 @ , \$ 154.325 @ , \$ 154.856 @ , \$ 154.763 @ , \$ 11 @ , \$ 272.784 @ , \$ 274.061 @ , \$ 257.284 @ , \$ 284.145 @ , \$ 292.434 @ , \$ 283.841 @ , \$ 274.287 @ , \$ 278.154 @ , \$ 293.808 @ , \$ 287.025 @ , \$ 12 @ , \$ 122.748 @ , \$ 115.67 @ , \$ 116.908 @ , \$ 114.672 @ , \$ 125.949 @ , \$ 123.874 @ , \$ 118.197 @ , \$ 121.858 @ , \$ 124.302 @ , \$ 124.536 @ , \$ 13 @ , \$ 212.221 @ , \$ 211.92 @ , \$ 218.321 @ , \$ 212.905 @ , \$ 224.13 @ , \$ 218.269 @ , \$ 218.287 @ , \$ 219.687 @ , \$ 228.679 @ , \$ 215.97 @ , \$ 14 @ , \$ 48.9223 @ , \$ 47.3907 @ , \$ 44.6675 @ , \$ 47.1211 @ , \$ 38.8955 @ , \$ 71.3572 @ , \$ 41.8713 @ , \$ 44.3011 @ , \$ 43.9782 @ , \$ 44.4932 @ , \$ 15 @ , \$ 227.654 @ , \$ 223.947 @ , \$ 230.983 @ , \$ 221.517 @ , \$ 229.556 @ , \$ 252.899 @ , \$ 232.881 @ , \$ 230.269 @ , \$ 232.431 @ , \$ 231.69 @ , \$

BE19B028

Alpha = 0.017232

post anova t-test pairs after sorting the sample means in descending order

1,5

12,13

1 @ , \$ 159.688 @ , \$ 158.543 @ , \$ 158.848 @ , \$ 163.632 @ , \$ 150.765 @ , \$ 168.887 @ , \$ 153.912 @ , \$ 166.92 @ , \$ 164.304 @ , \$ 159.167 @ , \$ 2 @ , \$ 30.1125 @ , \$ 35.0443 @ , \$ 28.6029 @ , \$ 25.7047 @ , \$ 35.2049 @ , \$ 69.7195 @ , \$ 24.4579 @ , \$ 34.8593 @ , \$ 22.0453 @ , \$ 20.7951 @ , \$ 3 @ , \$ 29.4605 @ , \$ 22.3621 @ , \$ 8.75571 @ , \$ 23.7999 @ , \$ 26.8932 @ , \$ 40.6021 @ , \$ 9.71882 @ , \$ 13.6256 @ , \$ 5.23459 @ , \$ 20.6425 @ , \$ 4 @ , \$ 252.411 @ , \$ 252.607 @ , \$ 261.078 @ , \$ 258.159 @ , \$ 253.923 @ , \$ 263.69 @ , \$ 263.37 @ , \$ 258.504 @ , \$ 255.104 @ , \$ 259.498 @ , \$ 5 @ , \$ 75.5171 @ , \$ 74.5499 @ , \$ 98.7425 @ , \$ 67.5759 @ , \$ 74.268 @ , \$ 81.8426 @ , \$ 81.259 @ , \$ 76.1004 @ , \$ 68.3361 @ , \$ 71.1485 @ , \$ 6 @ , \$ 17.4015 @ , \$ 8.34603 @ , \$ 27.3574 @ , \$ 15.5347 @ , \$ 1.69494 @ , \$ 26.3226 @ , \$ 1.26282 @ , \$ 19.0837 @ , \$ 2.33456 @ , \$ 16.313 @ , \$ 7 @ , \$ 116.308 @ , \$ 107.88 @ , \$ 107.213 @ , \$ 93.5736 @ , \$ 108.85 @ , \$ 114.413 @ , \$ 103.078 @ , \$ 97.0197 @ , \$ 96.15 @ , \$ 98.3625 @ , \$ 8 @ , \$ 103.671 @ , \$ 119.579 @ , \$ 116.504 @ , \$ 116.838 @ , \$ 106.644 @ , \$ 124.268 @ , \$ 101.569 @ , \$ 114.028 @ , \$ 133.416 @ , \$ 108.624 @ , \$

9 @ , \$ 226.521 @ , \$ 228.931 @ , \$ 217.943 @ , \$ 217.554 @ , \$ 211.747 @ , \$ 228.865 @ , \$ 221.867 @ , \$ 227.222 @ , \$ 219.511 @ , \$ 222.425 @ , \$ 10 @ , \$ 204.911 @ , \$ 201.546 @ , \$ 201.559 @ , \$ 193.927 @ , \$ 192.719 @ , \$ 214.225 @ , \$ 206.783 @ , \$ 192.983 @ , \$ 182.819 @ , \$ 192.291 @ , \$ 11 @ , \$ 256.711 @ , \$ 254.583 @ , \$ 262.128 @ , \$ 257.379 @ , \$ 261.069 @ , \$ 265.342 @ , \$ 255.24 @ , \$ 257.803 @ , \$ 258.916 @ , \$ 254.842 @ , \$ 12 @ , \$ 212.541 @ , \$ 221.971 @ , \$ 228.681 @ , \$ 215.736 @ , \$ 228.823 @ , \$ 202.344 @ , \$ 216.695 @ , \$ 226.344 @ , \$ 226.333 @ , \$ 217.246 @ , \$ 13 @ , \$ 196.983 @ , \$ 182.91 @ , \$ 171.911 @ , \$ 176.109 @ , \$ 190.076 @ , \$ 194.884 @ , \$ 193.191 @ , \$ 175.981 @ , \$ 189.593 @ , \$ 173.028 @ , \$ 14 @ , \$ 160.976 @ , \$ 153.254 @ , \$ 155.136 @ , \$ 161.794 @ , \$ 165.324 @ , \$ 184.225 @ , \$ 155.868 @ , \$ 151.923 @ , \$ 185.115 @ , \$ 164.562 @ , \$ 15 @ , \$ 264.079 @ , \$ 258.7 @ , \$ 258.662 @ , \$ 248.163 @ , \$ 245.717 @ , \$ 241.055 @ , \$ 261.373 @ , \$ 238.576 @ , \$ 244.159 @ , \$ 236.431 @ , \$

BE19B033

Alpha = 0.0442558

post anova t-test pairs after sorting the sample means in descending order

1,5

11,14

1 @ , \$ 231.838 @ , \$ 230.969 @ , \$ 229.47 @ , \$ 241.551 @ , \$ 236.707 @ , \$ 238.205 @ , \$ 231.617 @ , \$ 230.572 @ , \$ 238.499 @ , \$ 236.088 @ , \$ 2 @ , \$ 221.767 @ , \$ 227.18 @ , \$ 221.362 @ , \$ 217.348 @ , \$ 227.065 @ , \$ 232.642 @ , \$ 225.642 @ , \$ 220.945 @ , \$ 232.681 @ , \$ 241.367 @ , \$ 3 @ , \$ 161.748 @ , \$ 168.227 @ , \$ 162.02 @ , \$ 173.009 @ , \$ 170.174 @ , \$ 187.638 @ , \$ 171.22 @ , \$ 169.492 @ , \$ 152.946 @ , \$ 159.216 @ , \$ 4 @ , \$ 16.5698 @ , \$ 15.0956 @ , \$ 11.0324 @ , \$ 14.7422 @ , \$ 16.387 @ , \$ 22.4712 @ , \$ 14.2285 @ , \$ 14.3221 @ , \$ 12.2837 @ , \$ 10.9953 @ , \$ 5 @ , \$ 116.569 @ , \$ 129.199 @ , \$ 128.699 @ , \$ 125.747 @ , \$ 120.054 @ , \$ 125.802 @ , \$ 111.813 @ , \$ 119.225 @ , \$ 122.91 @ , \$ 118.546 @ , \$ 6 @ , \$ 129.569 @ , \$ 126.639 @ , \$ 126.564 @ , \$ 127.886 @ , \$ 123.883 @ , \$ 129.023 @ , \$ 121.451 @ , \$ 125.978 @ , \$ 126.373 @ , \$ 116.62 @ , \$ 7 @ , \$ 219.144 @ , \$ 217.324 @ , \$ 229.327 @ , \$ 223.191 @ , \$ 238.255 @ , \$ 252.081 @ , \$ 240.877 @ , \$ 212.664 @ , \$ 244.289 @ , \$ 234.974 @ , \$ 8 @ , \$ 179.885 @ , \$ 184.392 @ , \$ 183.501 @ , \$ 182.968 @ , \$ 183.451 @ , \$ 192.799 @ , \$ 183.323 @ , \$ 193.123 @ , \$ 183.555 @ , \$ 180.825 @ , \$ 9 @ , \$ 20.5135 @ , \$ 25.4834 @ , \$ 28.18 @ , \$ 16.0803 @ , \$ 32.0404 @ , \$ 27.387 @ , \$ 25.4883 @ , \$ 17.7614 @ , \$ 24.4074 @ , \$ 28.1519 @ , \$ 10 @ , \$ 85.6658 @ , \$ 104.004 @ , \$ 108.074 @ , \$ 56.9422 @ , \$ 96.4787 @ , \$ 142.511 @ , \$ 122.565 @ , \$ 102.329 @ , \$ 98.4931 @ , \$ 113.204 @ , \$ 11 @ , \$ 282.557 @ , \$ 278.426 @ , \$ 273.453 @ , \$ 275.874 @ , \$ 265.399 @ , \$ 297.929 @ , \$ 276.664 @ , \$ 291.016 @ , \$ 275.563 @ , \$ 282.626 @ , \$ 12 @ , \$ 12.8961 @ , \$ 32.784 @ , \$ 27.0755 @ , \$ 29.6039 @ , \$ 4.80358 @ , \$ 5.21069 @ , \$ 4.47157 @ , \$ 11.4008 @ , \$ 10.5119 @ , \$ 24.0206 @ , \$ 13 @ , \$ 132.016 @ , \$ 138.4 @ , \$ 143.663 @ , \$ 142.607 @ , \$ 139.164 @ , \$ 157.909 @ , \$ 152.236 @ , \$ 149.751 @ , \$ 138.696 @ , \$ 137.869 @ , \$ 14 @ , \$ 250.255 @ , \$ 259.912 @ , \$ 264.203 @ , \$ 274.964 @ , \$ 249.762 @ , \$ 281.912 @ , \$ 260.412 @ , \$ 251.188 @ , \$ 257.44 @ , \$ 255.304 @ , \$ 15 @ , \$ 298.22 @ , \$ 296.834 @ , \$ 295.587 @ , \$ 298.724 @ , \$ 298.762 @ , \$ 312.172 @ , \$ 297.057 @ , \$ 297.119 @ , \$ 298.029 @ , \$ 297.572 @ , \$

BE19B036

Alpha = 0.0315533

post anova t-test pairs after sorting the sample means in descending order

1,4

11,14

1 @ , \$ 96.7714 @ , \$ 100.158 @ , \$ 97.4942 @ , \$ 99.4553 @ , \$ 93.4629 @ , \$ 88.3717 @ , \$ 96.8627 @ , \$ 99.9691 @ , \$ 100.686 @ , \$ 97.2456 @ , \$  
2 @ , \$ 166.738 @ , \$ 160.767 @ , \$ 152.425 @ , \$ 156.697 @ , \$ 151.35 @ , \$ 174.578 @ , \$ 163.662 @ , \$ 165.255 @ , \$ 143.571 @ , \$ 163.46 @ , \$  
3 @ , \$ 45.3075 @ , \$ 17.3959 @ , \$ 35.3448 @ , \$ 30.0547 @ , \$ 28.4095 @ , \$ 23.3739 @ , \$ 17.3858 @ , \$ 34.8418 @ , \$ 31.9053 @ , \$ 29.6232 @ , \$  
4 @ , \$ 62.602 @ , \$ 50.6054 @ , \$ 50.8657 @ , \$ 45.2323 @ , \$ 60.3302 @ , \$ 74.935 @ , \$ 48.3167 @ , \$ 58.1127 @ , \$ 37.4296 @ , \$ 54.966 @ , \$  
5 @ , \$ 284.82 @ , \$ 267.542 @ , \$ 272.762 @ , \$ 262.62 @ , \$ 271.944 @ , \$ 277.473 @ , \$ 268.07 @ , \$ 272.143 @ , \$ 279.589 @ , \$ 282.546 @ , \$  
6 @ , \$ 38.6613 @ , \$ 50.5211 @ , \$ 63.5845 @ , \$ 46.7986 @ , \$ 53.7098 @ , \$ 63.8009 @ , \$ 54.5358 @ , \$ 48.0132 @ , \$ 49.9202 @ , \$ 53.7929 @ , \$  
7 @ , \$ 135.278 @ , \$ 130.942 @ , \$ 146.512 @ , \$ 137.162 @ , \$ 123.917 @ , \$ 138.881 @ , \$ 120.867 @ , \$ 131.024 @ , \$ 133.808 @ , \$ 135.339 @ , \$  
8 @ , \$ 189.685 @ , \$ 174.673 @ , \$ 170.086 @ , \$ 173.275 @ , \$ 182.125 @ , \$ 194.937 @ , \$ 176.121 @ , \$ 171.637 @ , \$ 171.976 @ , \$ 182.01 @ , \$  
9 @ , \$ 195.745 @ , \$ 194.944 @ , \$ 209.274 @ , \$ 220.959 @ , \$ 208.538 @ , \$ 214.502 @ , \$ 213.509 @ , \$ 207.122 @ , \$ 201.395 @ , \$ 221.688 @ , \$  
10 @ , \$ 101.785 @ , \$ 115.085 @ , \$ 119.462 @ , \$ 127.108 @ , \$ 92.045 @ , \$ 107.661 @ , \$ 115.688 @ , \$ 119.421 @ , \$ 121.354 @ , \$ 97.4498 @ , \$  
11 @ , \$ 158.468 @ , \$ 169.632 @ , \$ 157.707 @ , \$ 151.554 @ , \$ 157.785 @ , \$ 175.288 @ , \$ 168.119 @ , \$ 130.417 @ , \$ 141.798 @ , \$ 160.966 @ , \$  
12 @ , \$ 189.936 @ , \$ 187.334 @ , \$ 187.457 @ , \$ 188.78 @ , \$ 185.891 @ , \$ 217.503 @ , \$ 186.89 @ , \$ 188.151 @ , \$ 187.584 @ , \$ 195.867 @ , \$  
13 @ , \$ 209.777 @ , \$ 210.461 @ , \$ 199.568 @ , \$ 205.646 @ , \$ 204.161 @ , \$ 198.239 @ , \$ 212.569 @ , \$ 210.307 @ , \$ 210.392 @ , \$ 205.518 @ , \$  
14 @ , \$ 62.3122 @ , \$ 70.7532 @ , \$ 73.2473 @ , \$ 70.9992 @ , \$ 64.2794 @ , \$ 95.6148 @ , \$ 59.4893 @ , \$ 72.4176 @ , \$ 63.788 @ , \$ 62.5049 @ , \$  
15 @ , \$ 21.1855 @ , \$ 26.5694 @ , \$ 21.6407 @ , \$ 23.1319 @ , \$ 24.3656 @ , \$ 40.0053 @ , \$ 22.48 @ , \$ 24.6442 @ , \$ 29.0696 @ , \$ 21.8453 @ , \$

BE19B037

Alpha = 0.0540094

post anova t-test pairs after sorting the sample means in descending order

2,4

11,15

1 @ , \$ 54.8624 @ , \$ 65.5507 @ , \$ 61.2729 @ , \$ 50.9181 @ , \$ 61.8812 @ , \$ 46.9735 @ , \$ 61.1537 @ , \$ 59.382 @ , \$ 55.9149 @ , \$ 58.2338 @ , \$  
2 @ , \$ 219.553 @ , \$ 222.062 @ , \$ 215.2 @ , \$ 225.717 @ , \$ 196.929 @ , \$ 214.467 @ , \$ 204.972 @ , \$ 222.856 @ , \$ 215.486 @ , \$ 221.034 @ , \$  
3 @ , \$ 25.9745 @ , \$ 28.4033 @ , \$ 28.4157 @ , \$ 22.2095 @ , \$ 28.5688 @ , \$ 26.0063 @ , \$ 28.4304 @ , \$ 25.5126 @ , \$ 28.3213 @ , \$ 23.1467 @ , \$  
4 @ , \$ 50.9309 @ , \$ 51.1425 @ , \$ 63.3074 @ , \$ 52.0653 @ , \$ 58.4065 @ , \$ 52.3216 @ , \$ 53.0526 @ , \$ 50.5659 @ , \$ 67.999 @ , \$ 46.3443 @ , \$  
5 @ , \$ 156.393 @ , \$ 157.597 @ , \$ 152.151 @ , \$ 149.13 @ , \$ 152.758 @ , \$ 158.969 @ , \$ 154.274 @ , \$ 150.563 @ , \$ 154.094 @ , \$ 152.798 @ , \$  
6 @ , \$ 123.763 @ , \$ 100.217 @ , \$ 112.36 @ , \$ 107.159 @ , \$ 102.697 @ , \$ 116.318 @ , \$ 128.061 @ , \$ 100.045 @ , \$ 101.12 @ , \$ 108.08 @ , \$  
7 @ , \$ 14.8615 @ , \$ 15.3385 @ , \$ 1.61688 @ , \$ 9.69804 @ , \$ 17.41 @ , \$ 14.629 @ , \$ 11.7225 @ , \$ 7.54172 @ , \$

\$ 19.2728 @ , \$ 0.215699 @ , \$ 8 @ , \$ 137.56 @ , \$ 157.023 @ , \$ 136.823 @ , \$ 131.54 @ , \$ 144.363 @ , \$ 151.63 @ , \$ 141.87 @ , \$ 156.611 @ , \$ 141.04 @ , \$ 140.413 @ , \$ 9 @ , \$ 96.7362 @ , \$ 111.562 @ , \$ 93.9069 @ , \$ 99.5229 @ , \$ 95.6889 @ , \$ 133.87 @ , \$ 103.251 @ , \$ 111.289 @ , \$ 94.7887 @ , \$ 102.279 @ , \$ 10 @ , \$ 164.299 @ , \$ 164.51 @ , \$ 158.593 @ , \$ 177.631 @ , \$ 168.325 @ , \$ 169.078 @ , \$ 159.476 @ , \$ 168.936 @ , \$ 160.137 @ , \$ 163.647 @ , \$ 11 @ , \$ 36.998 @ , \$ 26.9959 @ , \$ 34.3857 @ , \$ 5.1356 @ , \$ 32.8113 @ , \$ 44.6521 @ , \$ 20.0278 @ , \$ 38.7854 @ , \$ 28.973 @ , \$ 31.4309 @ , \$ 12 @ , \$ 277.394 @ , \$ 285.272 @ , \$ 288.69 @ , \$ 292.448 @ , \$ 300.418 @ , \$ 306.451 @ , \$ 274.009 @ , \$ 286.198 @ , \$ 291.45 @ , \$ 296.109 @ , \$ 13 @ , \$ 267.007 @ , \$ 259.374 @ , \$ 261.126 @ , \$ 265.21 @ , \$ 269.247 @ , \$ 267.283 @ , \$ 264.366 @ , \$ 262.693 @ , \$ 256.639 @ , \$ 268.693 @ , \$ 14 @ , \$ 40.8819 @ , \$ 46.0937 @ , \$ 36.803 @ , \$ 34.2449 @ , \$ 50.3984 @ , \$ 51.4724 @ , \$ 41.3578 @ , \$ 48.4519 @ , \$ 39.3745 @ , \$ 48.0546 @ , \$ 15 @ , \$ 78.662 @ , \$ 90.4807 @ , \$ 85.0226 @ , \$ 86.7594 @ , \$ 90.8278 @ , \$ 93.1507 @ , \$ 102.396 @ , \$ 84.2196 @ , \$ 107.821 @ , \$ 90.6914 @ , \$

BE19B038

Alpha = 0.0276761

post anova t-test pairs after sorting the sample means in descending order

1,6

9,14

1 @ , \$ 172.755 @ , \$ 177.474 @ , \$ 163.841 @ , \$ 164.184 @ , \$ 158.911 @ , \$ 167.722 @ , \$ 175.725 @ , \$ 177.616 @ , \$ 198.105 @ , \$ 173.213 @ , \$ 2 @ , \$ 96.1476 @ , \$ 98.7972 @ , \$ 102.097 @ , \$ 103.236 @ , \$ 98.0425 @ , \$ 104.301 @ , \$ 116.72 @ , \$ 102.612 @ , \$ 109.903 @ , \$ 114.785 @ , \$ 3 @ , \$ 232.562 @ , \$ 242.151 @ , \$ 240.597 @ , \$ 236.453 @ , \$ 238.355 @ , \$ 254.661 @ , \$ 243.616 @ , \$ 242.429 @ , \$ 231.151 @ , \$ 253.916 @ , \$ 4 @ , \$ 65.5967 @ , \$ 64.9926 @ , \$ 69.7191 @ , \$ 71.015 @ , \$ 71.7722 @ , \$ 81.7707 @ , \$ 73.8772 @ , \$ 75.3973 @ , \$ 56.4281 @ , \$ 71.7389 @ , \$ 5 @ , \$ 250.989 @ , \$ 248.84 @ , \$ 250.273 @ , \$ 247.282 @ , \$ 256.577 @ , \$ 257.289 @ , \$ 257.485 @ , \$ 234.744 @ , \$ 251.835 @ , \$ 253.129 @ , \$ 6 @ , \$ 97.6373 @ , \$ 85.1076 @ , \$ 72.3457 @ , \$ 76.6204 @ , \$ 71.4079 @ , \$ 94.6644 @ , \$ 104.462 @ , \$ 67.2601 @ , \$ 74.7716 @ , \$ 90.8819 @ , \$ 7 @ , \$ 115.863 @ , \$ 136.444 @ , \$ 126.327 @ , \$ 135.235 @ , \$ 120.852 @ , \$ 126.603 @ , \$ 139.448 @ , \$ 122.508 @ , \$ 142.093 @ , \$ 124.163 @ , \$ 8 @ , \$ 167.786 @ , \$ 183.972 @ , \$ 167.182 @ , \$ 163.042 @ , \$ 176.783 @ , \$ 187.305 @ , \$ 167.131 @ , \$ 170.66 @ , \$ 172.984 @ , \$ 176.523 @ , \$ 9 @ , \$ 25.8414 @ , \$ 14.6982 @ , \$ 19.4672 @ , \$ 23.7733 @ , \$ 18.7733 @ , \$ 19.419 @ , \$ 23.2797 @ , \$ 19.2421 @ , \$ 24.1181 @ , \$ 23.4773 @ , \$ 10 @ , \$ 137.055 @ , \$ 148.447 @ , \$ 138.814 @ , \$ 143.27 @ , \$ 142.772 @ , \$ 160.115 @ , \$ 146.284 @ , \$ 140.259 @ , \$ 135.617 @ , \$ 151.013 @ , \$ 11 @ , \$ 13.5094 @ , \$ 15.333 @ , \$ 22.3916 @ , \$ 13.7022 @ , \$ 9.61644 @ , \$ 31.4157 @ , \$ 13.9148 @ , \$ 26.128 @ , \$ 8.15651 @ , \$ 4.022 @ , \$ 12 @ , \$ 246.934 @ , \$ 258.157 @ , \$ 256.36 @ , \$ 255.357 @ , \$ 253.058 @ , \$ 271.998 @ , \$ 238.19 @ , \$ 248.14 @ , \$ 252.407 @ , \$ 253.132 @ , \$ 13 @ , \$ 155.68 @ , \$ 153.442 @ , \$ 160.774 @ , \$ 154.863 @ , \$ 164.524 @ , \$ 166.338 @ , \$ 158.739 @ , \$ 148.056 @ , \$ 152.159 @ , \$ 161.673 @ , \$ 14 @ , \$ 84.1376 @ , \$ 87.7944 @ , \$ 82.7545 @ , \$ 79.8749 @ , \$ 78.5048 @ , \$ 96.6116 @ , \$ 82.2718 @ , \$ 91.5876 @ , \$ 81.7156 @ , \$ 85.6901 @ , \$ 15 @ , \$ 124.336 @ , \$ 126.333 @ , \$ 130.247 @ , \$ 118.911 @ , \$ 131.53 @ , \$ 142.572 @ , \$ 120.332 @ , \$ 130.187 @ , \$ 127.836 @ , \$ 117.611 @ , \$

BE20B010

Alpha = 0.0512285

post anova t-test pairs after sorting the sample means in descending order

1,7

12,14

1 @, \$ 74.4828 @, \$ 80.6914 @, \$ 90.7426 @, \$ 88.0793 @, \$ 87.2782 @, \$ 100.039 @, \$ 78.7675 @, \$ 87.2907 @, \$ 83.7003 @, \$ 87.1654 @, \$ 2 @, \$ 224.007 @, \$ 224.791 @, \$ 219.617 @, \$ 229.136 @, \$ 226.358 @, \$ 228.902 @, \$ 225.597 @, \$ 224.926 @, \$ 228.907 @, \$ 228.796 @, \$ 3 @, \$ 42.0384 @, \$ 39.49 @, \$ 37.0179 @, \$ 37.6093 @, \$ 40.868 @, \$ 42.4212 @, \$ 38.9881 @, \$ 32.7448 @, \$ 34.8366 @, \$ 34.3801 @, \$ 4 @, \$ 131.805 @, \$ 142.344 @, \$ 140.845 @, \$ 145.236 @, \$ 146.892 @, \$ 163.013 @, \$ 143.544 @, \$ 131.989 @, \$ 144.139 @, \$ 138.514 @, \$ 5 @, \$ 254.526 @, \$ 252.249 @, \$ 258.635 @, \$ 266.58 @, \$ 261.369 @, \$ 258.12 @, \$ 265.274 @, \$ 243.742 @, \$ 244.21 @, \$ 246.076 @, \$ 6 @, \$ 245.944 @, \$ 240.755 @, \$ 240.251 @, \$ 244.621 @, \$ 247.032 @, \$ 252.736 @, \$ 240.833 @, \$ 245.75 @, \$ 242.429 @, \$ 240.105 @, \$ 7 @, \$ 164.342 @, \$ 179.623 @, \$ 178.07 @, \$ 172.644 @, \$ 165.173 @, \$ 156.734 @, \$ 172.621 @, \$ 168.947 @, \$ 160.914 @, \$ 175.573 @, \$ 8 @, \$ 211.123 @, \$ 216.58 @, \$ 219.156 @, \$ 213.928 @, \$ 219.189 @, \$ 234.653 @, \$ 216.847 @, \$ 217.26 @, \$ 221.431 @, \$ 213.041 @, \$ 9 @, \$ 176.603 @, \$ 159.461 @, \$ 168.728 @, \$ 186.507 @, \$ 180.229 @, \$ 177.376 @, \$ 172.084 @, \$ 174.865 @, \$ 166.743 @, \$ 171.201 @, \$ 10 @, \$ 66.2637 @, \$ 70.5533 @, \$ 69.6222 @, \$ 68.3646 @, \$ 73.2421 @, \$ 73.555 @, \$ 69.8147 @, \$ 69.3656 @, \$ 66.6385 @, \$ 69.0251 @, \$ 11 @, \$ 214.42 @, \$ 211.877 @, \$ 215.708 @, \$ 214.925 @, \$ 219.909 @, \$ 233.409 @, \$ 218.458 @, \$ 213.718 @, \$ 219.084 @, \$ 215.871 @, \$ 12 @, \$ 91.1023 @, \$ 97.8784 @, \$ 94.2609 @, \$ 80.8629 @, \$ 73.4487 @, \$ 109.033 @, \$ 80.1308 @, \$ 98.91 @, \$ 111.475 @, \$ 84.9897 @, \$ 13 @, \$ 41.3747 @, \$ 55.8138 @, \$ 60.1647 @, \$ 41.9575 @, \$ 65.5779 @, \$ 48.7611 @, \$ 53.4787 @, \$ 34.1508 @, \$ 60.195 @, \$ 39.4664 @, \$ 14 @, \$ 115.987 @, \$ 114.604 @, \$ 106.016 @, \$ 119.774 @, \$ 132.617 @, \$ 109.935 @, \$ 124.044 @, \$ 120.234 @, \$ 110.564 @, \$ 118.344 @, \$ 15 @, \$ 69.2272 @, \$ 76.0029 @, \$ 80.0904 @, \$ 100.061 @, \$ 72.2178 @, \$ 76.7586 @, \$ 100.506 @, \$ 102.547 @, \$ 87.032 @, \$ 81.0844 @, \$

BE20B012

Alpha = 0.0113552

post anova t-test pairs after sorting the sample means in descending order

1,7

10,14

1 @, \$ 232.507 @, \$ 234.664 @, \$ 223.25 @, \$ 221.397 @, \$ 231.237 @, \$ 231.773 @, \$ 212.302 @, \$ 227.378 @, \$ 226.389 @, \$ 224.069 @, \$ 2 @, \$ 275.427 @, \$ 297.567 @, \$ 306.192 @, \$ 289.676 @, \$ 294.068 @, \$ 301.214 @, \$ 286.254 @, \$ 294.572 @, \$ 302.155 @, \$ 282.045 @, \$ 3 @, \$ 18.267 @, \$ 29.2848 @, \$ 32.6621 @, \$ 26.5349 @, \$ 24.8461 @, \$ 20.1325 @, \$ 29.5346 @, \$ 22.7086 @, \$ 21.1048 @, \$ 27.5792 @, \$ 4 @, \$ 22.0607 @, \$ 28.65 @, \$ 16.7769 @, \$ 12.1693 @, \$ 18.2608 @, \$ 44.5814 @, \$ 38.2111 @, \$ 13.5707 @, \$ 26.5475 @, \$ 40.5142 @, \$ 5 @, \$ 129.992 @, \$ 125.603 @, \$ 123.933 @, \$ 124.454 @, \$ 139.15 @, \$ 141.544 @, \$ 129.735 @, \$ 130.969 @, \$ 129.217 @, \$ 139.569 @, \$

6 @, \$ 203.404 @, \$ 205.577 @, \$ 210.221 @, \$ 212.541 @, \$ 205.024 @, \$ 212.988 @, \$ 210.558 @, \$ 211.315 @, \$ 202.74 @, \$ 212.828 @, \$ 7 @, \$ 157.138 @, \$ 154.418 @, \$ 150.091 @, \$ 155.667 @, \$ 153.982 @, \$ 168.676 @, \$ 157.141 @, \$ 151.195 @, \$ 155.724 @, \$ 154.073 @, \$ 8 @, \$ 55.9865 @, \$ 21.2368 @, \$ 61.7287 @, \$ 53.865 @, \$ 49.2501 @, \$ 55.4883 @, \$ 54.9253 @, \$ 61.9168 @, \$ 70.602 @, \$ 68.4992 @, \$ 9 @, \$ 143.848 @, \$ 143.563 @, \$ 140.619 @, \$ 137.635 @, \$ 147.697 @, \$ 143.498 @, \$ 139.016 @, \$ 141.484 @, \$ 147.836 @, \$ 142.252 @, \$ 10 @, \$ 37.4951 @, \$ 51.6002 @, \$ 37.409 @, \$ 49.4533 @, \$ 48.0852 @, \$ 73.4715 @, \$ 36.0654 @, \$ 42.5706 @, \$ 28.1168 @, \$ 43.7191 @, \$ 11 @, \$ 201.334 @, \$ 202.048 @, \$ 177.923 @, \$ 196.027 @, \$ 181.819 @, \$ 194.981 @, \$ 187.768 @, \$ 197.214 @, \$ 195.567 @, \$ 199.161 @, \$ 12 @, \$ 15.893 @, \$ 1.13018 @, \$ 9.23545 @, \$ 13.6377 @, \$ 15.128 @, \$ 22.2365 @, \$ 0.378483 @, \$ 6.93501 @, \$ 8.22887 @, \$ 9.08774 @, \$ 13 @, \$ 19.6861 @, \$ 14.2632 @, \$ 10.7774 @, \$ 21.2847 @, \$ 16.462 @, \$ 33.8866 @, \$ 12.7965 @, \$ 5.94646 @, \$ 25.7676 @, \$ 12.7213 @, \$ 14 @, \$ 0.78195 @, \$ 1.62765 @, \$ 20.9441 @, \$ 16.0458 @, \$ 12.2996 @, \$ 12.5266 @, \$ 11.8613 @, \$ 6.05797 @, \$ 8.02793 @, \$ 7.79302 @, \$ 15 @, \$ 13.3153 @, \$ 21.9539 @, \$ 8.93446 @, \$ 21.4003 @, \$ 11.5889 @, \$ 19.8534 @, \$ -0.642331 @, \$ 18.2039 @, \$ 10.2137 @, \$ 30.6453 @, \$

BE20B018

Alpha = 0.0920478

post anova t-test pairs after sorting the sample means in descending order

3,4

9,13

1 @, \$ 101.04 @, \$ 102.332 @, \$ 99.3279 @, \$ 99.2189 @, \$ 102.49 @, \$ 111.625 @, \$ 99.802 @, \$ 101.025 @, \$ 103.565 @, \$ 106.203 @, \$ 2 @, \$ 191.929 @, \$ 192.342 @, \$ 184.992 @, \$ 199.056 @, \$ 168.918 @, \$ 205.702 @, \$ 189.556 @, \$ 196.129 @, \$ 185.757 @, \$ 184.984 @, \$ 3 @, \$ 170.61 @, \$ 180.6 @, \$ 190.498 @, \$ 174.136 @, \$ 207.261 @, \$ 186.42 @, \$ 168.092 @, \$ 180.395 @, \$ 184.518 @, \$ 174.635 @, \$ 4 @, \$ 34.0719 @, \$ 29.6329 @, \$ 30.3144 @, \$ 22.0068 @, \$ 34.7031 @, \$ 52.1813 @, \$ 22.9168 @, \$ 43.6838 @, \$ 17.9509 @, \$ 24.1871 @, \$ 5 @, \$ 125.144 @, \$ 122.652 @, \$ 124.607 @, \$ 107.375 @, \$ 112.236 @, \$ 132.645 @, \$ 130.083 @, \$ 101.463 @, \$ 125.426 @, \$ 118.218 @, \$ 6 @, \$ 179.01 @, \$ 182.071 @, \$ 180.979 @, \$ 183.983 @, \$ 174.711 @, \$ 194.165 @, \$ 181.307 @, \$ 184.874 @, \$ 181.579 @, \$ 182.214 @, \$ 7 @, \$ 23.382 @, \$ 4.3075 @, \$ 13.7723 @, \$ 9.51773 @, \$ 16.2938 @, \$ 19.7383 @, \$ 6.78344 @, \$ 3.61278 @, \$ 16.5141 @, \$ 12.6212 @, \$ 8 @, \$ 171.588 @, \$ 162.589 @, \$ 171.257 @, \$ 176.928 @, \$ 181.882 @, \$ 192.146 @, \$ 182.159 @, \$ 185.965 @, \$ 180.036 @, \$ 188.443 @, \$ 9 @, \$ 191.019 @, \$ 181.612 @, \$ 168.753 @, \$ 201.012 @, \$ 187.16 @, \$ 180.883 @, \$ 186.169 @, \$ 177.594 @, \$ 188.4 @, \$ 179.652 @, \$ 10 @, \$ 186.243 @, \$ 191.051 @, \$ 186.995 @, \$ 180.348 @, \$ 180.937 @, \$ 194.748 @, \$ 187.816 @, \$ 191.009 @, \$ 188.089 @, \$ 178.157 @, \$ 11 @, \$ 16.2049 @, \$ 2.94374 @, \$ 8.90092 @, \$ 24.414 @, \$ 22.469 @, \$ 22.3764 @, \$ 13.1667 @, \$ 12.5912 @, \$ 9.31958 @, \$ 11.0844 @, \$ 12 @, \$ 193.003 @, \$ 193.697 @, \$ 191.491 @, \$ 194.498 @, \$ 192.165 @, \$ 222.643 @, \$ 191.192 @, \$ 193.138 @, \$ 193.937 @, \$ 191.472 @, \$ 13 @, \$ 10.9991 @, \$ 2.10023 @, \$ 18.5865 @, \$ 18.5536 @, \$ -8.4921 @, \$ 21.1758 @, \$ 13.7508 @, \$ 14.8681 @, \$ 15.6098 @, \$ 7.88707 @, \$ 14 @, \$ 19.3556 @, \$ 24.886 @, \$ 17.7197 @, \$ 17.0782 @, \$ 20.983 @, \$ 28.2017 @, \$ 16.5994 @, \$ 19.0721

@ , \$ 23.1018 @ , \$ 21.4266 @ , \$  
15 @ , \$ 180.497 @ , \$ 182.281 @ , \$ 185.71 @ , \$ 155.512 @ , \$ 175.235 @ , \$ 172.971 @ , \$ 186.958 @ , \$ 163.324  
@ , \$ 157.588 @ , \$ 153.386 @ , \$

BE20B022

Alpha = 0.0420268

post anova t-test pairs after sorting the sample means in descending order

2,8

11,14

1 @ , \$ 189.887 @ , \$ 189.254 @ , \$ 206.997 @ , \$ 186.356 @ , \$ 189.899 @ , \$ 201.927 @ , \$ 191.186 @ , \$ 178.755  
@ , \$ 191.309 @ , \$ 200.838 @ , \$  
2 @ , \$ 43.9139 @ , \$ 37.8648 @ , \$ 38.606 @ , \$ 42.2809 @ , \$ 39.5391 @ , \$ 45.2 @ , \$ 41.1232 @ , \$ 46.3364 @ , \$  
40.5854 @ , \$ 40.9164 @ , \$  
3 @ , \$ 73.5451 @ , \$ 74.7298 @ , \$ 74.7383 @ , \$ 73.8002 @ , \$ 59.5809 @ , \$ 86.9915 @ , \$ 68.5262 @ , \$ 75.8561  
@ , \$ 60.2559 @ , \$ 51.1953 @ , \$  
4 @ , \$ 134.813 @ , \$ 134.906 @ , \$ 136.035 @ , \$ 134.473 @ , \$ 135.035 @ , \$ 141.107 @ , \$ 134.4 @ , \$ 136.027 @ ,  
\$ 134.645 @ , \$ 134.568 @ , \$  
5 @ , \$ 204.644 @ , \$ 199.561 @ , \$ 207.27 @ , \$ 206.32 @ , \$ 202.786 @ , \$ 228.387 @ , \$ 206.56 @ , \$ 204.501 @ ,  
\$ 208.306 @ , \$ 203.509 @ , \$  
6 @ , \$ 82.1028 @ , \$ 90.2798 @ , \$ 82.8223 @ , \$ 82.1585 @ , \$ 85.8207 @ , \$ 90.5831 @ , \$ 69.1608 @ , \$ 97.7127  
@ , \$ 74.6111 @ , \$ 82.3825 @ , \$  
7 @ , \$ 24.8262 @ , \$ 31.7698 @ , \$ 33.2647 @ , \$ 19.1646 @ , \$ 24.8766 @ , \$ 15.8678 @ , \$ 24.8549 @ , \$ 27.0461  
@ , \$ 27.1212 @ , \$ 34.3318 @ , \$  
8 @ , \$ 176.049 @ , \$ 196.16 @ , \$ 194.735 @ , \$ 178.764 @ , \$ 181.818 @ , \$ 203.246 @ , \$ 190.224 @ , \$ 158.025  
@ , \$ 181.603 @ , \$ 184.406 @ , \$  
9 @ , \$ 121.219 @ , \$ 104.296 @ , \$ 120.776 @ , \$ 113.927 @ , \$ 115.896 @ , \$ 128.699 @ , \$ 102.88 @ , \$ 97.1428  
@ , \$ 123.5 @ , \$ 100.535 @ , \$  
10 @ , \$ 89.3623 @ , \$ 102.977 @ , \$ 101.856 @ , \$ 97.6971 @ , \$ 97.2572 @ , \$ 95.6351 @ , \$ 97.7972 @ , \$  
99.8124 @ , \$ 94.4231 @ , \$ 101.311 @ , \$  
11 @ , \$ 43.1159 @ , \$ 67.678 @ , \$ 41.1761 @ , \$ 44.9649 @ , \$ 52.8155 @ , \$ 37.0694 @ , \$ 62.4272 @ , \$ 41.9565  
@ , \$ 43.0541 @ , \$ 66.3003 @ , \$  
12 @ , \$ 267.381 @ , \$ 268.993 @ , \$ 255.492 @ , \$ 267.974 @ , \$ 273.035 @ , \$ 299.821 @ , \$ 260.341 @ , \$  
259.745 @ , \$ 268.647 @ , \$ 274.911 @ , \$  
13 @ , \$ 69.6396 @ , \$ 74.5176 @ , \$ 76.6781 @ , \$ 64.0471 @ , \$ 52.4535 @ , \$ 75.5314 @ , \$ 60.0568 @ , \$  
74.2836 @ , \$ 75.227 @ , \$ 82.7631 @ , \$  
14 @ , \$ 120.787 @ , \$ 114.61 @ , \$ 110.066 @ , \$ 102.79 @ , \$ 108.631 @ , \$ 121.889 @ , \$ 113.177 @ , \$ 117.706  
@ , \$ 124.481 @ , \$ 125.592 @ , \$  
15 @ , \$ 233.001 @ , \$ 219.983 @ , \$ 238.458 @ , \$ 222.545 @ , \$ 217.521 @ , \$ 237.33 @ , \$ 223.22 @ , \$ 239.442  
@ , \$ 223.05 @ , \$ 220.765 @ , \$

BE20B024

Alpha = 0.0668763

post anova t-test pairs after sorting the sample means in descending order

2,5

12,14

1 @ , \$ 299.252 @ , \$ 296.256 @ , \$ 302.968 @ , \$ 279.272 @ , \$ 290.636 @ , \$ 298.144 @ , \$ 282.348 @ , \$ 295.44  
@ , \$ 282.164 @ , \$ 314.208 @ , \$  
2 @ , \$ 19.6335 @ , \$ 10.3846 @ , \$ 24.8551 @ , \$ 21.8224 @ , \$ 18.1903 @ , \$ 34.8535 @ , \$ 20.1889 @ , \$ 10.6146  
@ , \$ 28.8026 @ , \$ 21.9888 @ , \$  
3 @ , \$ 34.8633 @ , \$ 18.6081 @ , \$ 30.9193 @ , \$ 16.9977 @ , \$ 17.5551 @ , \$ 36.2713 @ , \$ 17.7622 @ , \$ 21.9114  
@ , \$ 17.6748 @ , \$ 19.9218 @ , \$  
4 @ , \$ 242.562 @ , \$ 241.485 @ , \$ 244.213 @ , \$ 238.658 @ , \$ 244.844 @ , \$ 249.75 @ , \$ 235.627 @ , \$ 237.377

@, \$ 242.016 @, \$ 240.921 @, \$ 5 @, \$ 180.683 @, \$ 190.5 @, \$ 197.134 @, \$ 182.731 @, \$ 168.265 @, \$ 193.429 @, \$ 183.196 @, \$ 182.168 @, \$ 166.174 @, \$ 173.561 @, \$ 6 @, \$ 110.112 @, \$ 113.093 @, \$ 96.0367 @, \$ 117.378 @, \$ 107.963 @, \$ 121.936 @, \$ 104.112 @, \$ 100.471 @, \$ 126.504 @, \$ 122.6 @, \$ 7 @, \$ 188.769 @, \$ 187.623 @, \$ 190.068 @, \$ 190.991 @, \$ 185.905 @, \$ 193.155 @, \$ 182.403 @, \$ 192.448 @, \$ 183.405 @, \$ 185.06 @, \$ 8 @, \$ 84.8234 @, \$ 94.7702 @, \$ 93.1894 @, \$ 98.9937 @, \$ 94.3689 @, \$ 108.603 @, \$ 91.4843 @, \$ 103.035 @, \$ 96.2849 @, \$ 96.9183 @, \$ 9 @, \$ 51.7057 @, \$ 36.4788 @, \$ 43.8203 @, \$ 49.5049 @, \$ 63.1817 @, \$ 43.6826 @, \$ 49.7376 @, \$ 42.1883 @, \$ 49.2336 @, \$ 40.0482 @, \$ 10 @, \$ 32.8951 @, \$ 40.6433 @, \$ 36.3615 @, \$ 27.461 @, \$ 28.6631 @, \$ 56.0676 @, \$ 45.2404 @, \$ 27.7682 @, \$ 26.4952 @, \$ 31.6797 @, \$ 11 @, \$ 144.17 @, \$ 158.034 @, \$ 159.111 @, \$ 154.311 @, \$ 152.948 @, \$ 180.06 @, \$ 154.257 @, \$ 147.825 @, \$ 159.517 @, \$ 158.583 @, \$ 12 @, \$ 45.1237 @, \$ 43.9462 @, \$ 53.5103 @, \$ 43.5256 @, \$ 49.4636 @, \$ 52.9444 @, \$ 51.8226 @, \$ 54.0812 @, \$ 51.1718 @, \$ 49.2447 @, \$ 13 @, \$ 243.787 @, \$ 248.66 @, \$ 249.023 @, \$ 247.614 @, \$ 228.861 @, \$ 257.519 @, \$ 225.523 @, \$ 223.996 @, \$ 253.029 @, \$ 236.107 @, \$ 14 @, \$ 221.201 @, \$ 226.759 @, \$ 221.192 @, \$ 215.897 @, \$ 212.995 @, \$ 231.137 @, \$ 223.141 @, \$ 225.178 @, \$ 230.617 @, \$ 223.949 @, \$ 15 @, \$ 148.662 @, \$ 146.366 @, \$ 165.982 @, \$ 148.456 @, \$ 146.466 @, \$ 151.719 @, \$ 146.911 @, \$ 159.259 @, \$ 154.437 @, \$ 161.456 @, \$

BE20B026

Alpha = 0.0192174

post anova t-test pairs after sorting the sample means in descending order

1,7

10,15

1 @, \$ 45.7118 @, \$ 45.9893 @, \$ 45.7986 @, \$ 45.7793 @, \$ 45.9414 @, \$ 63.4072 @, \$ 45.8415 @, \$ 45.9927 @, \$ 45.7115 @, \$ 46.1416 @, \$ 2 @, \$ 99.909 @, \$ 104.729 @, \$ 101.893 @, \$ 98.318 @, \$ 102.854 @, \$ 111.77 @, \$ 96.4229 @, \$ 107.909 @, \$ 104.253 @, \$ 95.1715 @, \$ 3 @, \$ 83.3578 @, \$ 55.1588 @, \$ 67.1327 @, \$ 69.9803 @, \$ 69.1184 @, \$ 82.8583 @, \$ 72.6706 @, \$ 78.2085 @, \$ 72.1817 @, \$ 74.7113 @, \$ 4 @, \$ 204.335 @, \$ 208.044 @, \$ 213.703 @, \$ 202.715 @, \$ 210.673 @, \$ 232.803 @, \$ 213.705 @, \$ 211.26 @, \$ 204.507 @, \$ 216.731 @, \$ 5 @, \$ 77.8527 @, \$ 65.6403 @, \$ 77.6602 @, \$ 78.9837 @, \$ 73.6126 @, \$ 83.5075 @, \$ 68.3743 @, \$ 81.8839 @, \$ 76.1755 @, \$ 75.4668 @, \$ 6 @, \$ 107.686 @, \$ 101.216 @, \$ 102.112 @, \$ 114.026 @, \$ 93.4211 @, \$ 102.062 @, \$ 97.2775 @, \$ 108.578 @, \$ 100.212 @, \$ 99.5058 @, \$ 7 @, \$ 269.294 @, \$ 271.248 @, \$ 276.667 @, \$ 278.878 @, \$ 270.9 @, \$ 282.277 @, \$ 269.841 @, \$ 269.224 @, \$ 276.002 @, \$ 238.593 @, \$ 8 @, \$ 229.995 @, \$ 233.139 @, \$ 230.612 @, \$ 236.698 @, \$ 231.622 @, \$ 248.102 @, \$ 233.837 @, \$ 223.598 @, \$ 222.95 @, \$ 235.564 @, \$ 9 @, \$ 62.5117 @, \$ 63.5012 @, \$ 65.6794 @, \$ 61.2095 @, \$ 56.4509 @, \$ 70.8892 @, \$ 57.6736 @, \$ 57.1438 @, \$ 60.2303 @, \$ 54.5872 @, \$ 10 @, \$ 6.35272 @, \$ 5.48166 @, \$ 4.86602 @, \$ 5.47808 @, \$ 4.12609 @, \$ 15.509 @, \$ 4.75072 @, \$ 8.01012 @, \$ 4.3047 @, \$ 6.95336 @, \$ 11 @, \$ 243.34 @, \$ 243.518 @, \$ 250.206 @, \$ 237.28 @, \$ 248.044 @, \$ 261.675 @, \$ 237.757 @, \$ 241.312 @, \$ 246.261 @, \$ 241.145 @, \$ 12 @, \$ 104.454 @, \$ 86.7295 @, \$ 109.236 @, \$ 100.138 @, \$ 104.168 @, \$ 109.592 @, \$ 97.3767 @, \$ 89.5764 @, \$ 80.5731 @, \$ 85.6312 @, \$

13 @ , \$ 45.9936 @ , \$ 47.0231 @ , \$ 50.5098 @ , \$ 49.4459 @ , \$ 35.276 @ , \$ 63.5166 @ , \$ 32.7771 @ , \$ 36.0569 @ , \$ 44.0654 @ , \$ 50.4682 @ , \$ 14 @ , \$ 15.6525 @ , \$ 7.82583 @ , \$ 1.01983 @ , \$ 6.48267 @ , \$ 2.23901 @ , \$ 17.7404 @ , \$ -0.450613 @ , \$ 12.0539 @ , \$ 10.4511 @ , \$ 7.66761 @ , \$ 15 @ , \$ 234.166 @ , \$ 230.174 @ , \$ 237.755 @ , \$ 233.463 @ , \$ 223.8 @ , \$ 252.337 @ , \$ 233.854 @ , \$ 226.019 @ , \$ 235.809 @ , \$ 238.511 @ , \$

## BE20B027

Alpha = 0.0230017

post anova t-test pairs after sorting the sample means in descending order

1,6

10,14

1 @ , \$ 75.7373 @ , \$ 64.5679 @ , \$ 49.7948 @ , \$ 57.091 @ , \$ 59.0903 @ , \$ 61.8682 @ , \$ 72.278 @ , \$ 66.084 @ , \$ 64.6808 @ , \$ 49.5526 @ , \$ 2 @ , \$ 150.627 @ , \$ 144.281 @ , \$ 145.299 @ , \$ 147.597 @ , \$ 143.476 @ , \$ 133.552 @ , \$ 147.118 @ , \$ 137.055 @ , \$ 137.219 @ , \$ 147.12 @ , \$ 3 @ , \$ 225.406 @ , \$ 226.595 @ , \$ 218.905 @ , \$ 218.249 @ , \$ 225.693 @ , \$ 234.151 @ , \$ 221.959 @ , \$ 227.24 @ , \$ 222.741 @ , \$ 218.445 @ , \$ 4 @ , \$ 246.092 @ , \$ 247.816 @ , \$ 228.137 @ , \$ 225.938 @ , \$ 264.91 @ , \$ 241.499 @ , \$ 239.54 @ , \$ 249.702 @ , \$ 242.966 @ , \$ 249.018 @ , \$ 5 @ , \$ 143.976 @ , \$ 159.46 @ , \$ 151.31 @ , \$ 147.217 @ , \$ 148.932 @ , \$ 158.435 @ , \$ 149.114 @ , \$ 147.539 @ , \$ 147.224 @ , \$ 143.017 @ , \$ 6 @ , \$ 122.034 @ , \$ 118.617 @ , \$ 129.169 @ , \$ 123.421 @ , \$ 120.857 @ , \$ 126.536 @ , \$ 125.4 @ , \$ 114.582 @ , \$ 117.939 @ , \$ 124.92 @ , \$ 7 @ , \$ 185.126 @ , \$ 176.422 @ , \$ 177.316 @ , \$ 166.582 @ , \$ 177.922 @ , \$ 196.187 @ , \$ 170.585 @ , \$ 169.577 @ , \$ 175.993 @ , \$ 179.584 @ , \$ 8 @ , \$ 237.115 @ , \$ 257.322 @ , \$ 252.313 @ , \$ 241.427 @ , \$ 265.166 @ , \$ 241.141 @ , \$ 247.017 @ , \$ 231.143 @ , \$ 241.869 @ , \$ 243.734 @ , \$ 9 @ , \$ 199.093 @ , \$ 200.095 @ , \$ 208.676 @ , \$ 205.315 @ , \$ 198.034 @ , \$ 217.096 @ , \$ 200.321 @ , \$ 206.968 @ , \$ 197.481 @ , \$ 210.279 @ , \$ 10 @ , \$ 211.995 @ , \$ 221.273 @ , \$ 228.424 @ , \$ 211.093 @ , \$ 220.605 @ , \$ 207.65 @ , \$ 210.766 @ , \$ 212.194 @ , \$ 204.355 @ , \$ 231.635 @ , \$ 11 @ , \$ 198.841 @ , \$ 196.065 @ , \$ 205.489 @ , \$ 200.833 @ , \$ 206.17 @ , \$ 190.876 @ , \$ 185.478 @ , \$ 196.325 @ , \$ 196.751 @ , \$ 207.943 @ , \$ 12 @ , \$ 109.74 @ , \$ 104.649 @ , \$ 107.043 @ , \$ 99.9388 @ , \$ 96.6622 @ , \$ 108.348 @ , \$ 103.399 @ , \$ 97.333 @ , \$ 97.1025 @ , \$ 91.5846 @ , \$ 13 @ , \$ 71.3563 @ , \$ 66.4052 @ , \$ 74.2823 @ , \$ 63.8512 @ , \$ 63.6193 @ , \$ 87.5546 @ , \$ 69.5797 @ , \$ 75.4681 @ , \$ 80.3069 @ , \$ 66.1299 @ , \$ 14 @ , \$ 254.464 @ , \$ 235.581 @ , \$ 247.44 @ , \$ 248.655 @ , \$ 231.839 @ , \$ 253.222 @ , \$ 231.695 @ , \$ 247.131 @ , \$ 255.134 @ , \$ 241.257 @ , \$ 15 @ , \$ 45.8115 @ , \$ 66.2046 @ , \$ 77.2593 @ , \$ 76.7859 @ , \$ 76.0735 @ , \$ 90.5874 @ , \$ 83.2632 @ , \$ 79.836 @ , \$ 63.0917 @ , \$ 64.9205 @ , \$

## BE20B028

Alpha = 0.0318014

post anova t-test pairs after sorting the sample means in descending order

1,6

9,13

1 @ , \$ 16.6933 @ , \$ 4.4597 @ , \$ 15.2071 @ , \$ 13.932 @ , \$ 13.9127 @ , \$ 40.3468 @ , \$ 1.60776 @ , \$ 19.7439 @ , \$ 21.2612 @ , \$ 12.6484 @ , \$ 2 @ , \$ 101.76 @ , \$ 114.868 @ , \$ 103.152 @ , \$ 97.561 @ , \$ 106.721 @ , \$ 99.3962 @ , \$ 98.0848 @ , \$ 115.649 @ , \$ 110.272 @ , \$ 96.9457 @ , \$

3 @, \$ 31.859 @, \$ 27.9662 @, \$ 44.8938 @, \$ 39.0597 @, \$ 34.0197 @, \$ 60.6257 @, \$ 31.5326 @, \$ 30.9081 @, \$ 33.8177 @, \$ 34.533 @, \$ 4 @, \$ 72.0941 @, \$ 58.1507 @, \$ 72.625 @, \$ 58.8032 @, \$ 75.808 @, \$ 56.6428 @, \$ 73.6152 @, \$ 62.1774 @, \$ 66.4396 @, \$ 61.5416 @, \$ 5 @, \$ 257.858 @, \$ 261.797 @, \$ 237.212 @, \$ 246.258 @, \$ 248.675 @, \$ 262.883 @, \$ 244.943 @, \$ 252.291 @, \$ 229.488 @, \$ 231.606 @, \$ 6 @, \$ 276.686 @, \$ 291.313 @, \$ 290.578 @, \$ 281.288 @, \$ 272.23 @, \$ 277.371 @, \$ 284.247 @, \$ 299.809 @, \$ 282.633 @, \$ 285.908 @, \$ 7 @, \$ 282.886 @, \$ 281.784 @, \$ 286.89 @, \$ 279.091 @, \$ 272.104 @, \$ 271.987 @, \$ 279.528 @, \$ 272.351 @, \$ 276.676 @, \$ 283.471 @, \$ 8 @, \$ 7.33049 @, \$ 8.34296 @, \$ 7.99265 @, \$ 15.6929 @, \$ 22.9221 @, \$ 35.6872 @, \$ 26.7484 @, \$ 12.5997 @, \$ 17.2404 @, \$ 6.52754 @, \$ 9 @, \$ 109.742 @, \$ 119.594 @, \$ 102.879 @, \$ 102.512 @, \$ 105.528 @, \$ 115.329 @, \$ 111.561 @, \$ 110.591 @, \$ 104.636 @, \$ 95.8105 @, \$ 10 @, \$ 47.6 @, \$ 45.7138 @, \$ 42.4413 @, \$ 42.7638 @, \$ 41.2736 @, \$ 52.9829 @, \$ 47.5086 @, \$ 34.7032 @, \$ 44.7315 @, \$ 44.3188 @, \$ 11 @, \$ 221.3 @, \$ 218.745 @, \$ 212.683 @, \$ 216.794 @, \$ 231.49 @, \$ 234.391 @, \$ 213.427 @, \$ 210.359 @, \$ 225.982 @, \$ 216.023 @, \$ 12 @, \$ 90.9798 @, \$ 86.1951 @, \$ 88.5275 @, \$ 76.9927 @, \$ 93.4243 @, \$ 96.589 @, \$ 83.6749 @, \$ 87.3272 @, \$ 83.7303 @, \$ 76.6824 @, \$ 13 @, \$ 271.751 @, \$ 277.309 @, \$ 276.281 @, \$ 279.109 @, \$ 277.879 @, \$ 278.46 @, \$ 272.587 @, \$ 275.822 @, \$ 275.776 @, \$ 275.116 @, \$ 14 @, \$ 192.132 @, \$ 186.885 @, \$ 180.277 @, \$ 192.943 @, \$ 181.604 @, \$ 194.143 @, \$ 182.973 @, \$ 180.394 @, \$ 180.855 @, \$ 180.239 @, \$ 15 @, \$ 149.056 @, \$ 148.971 @, \$ 147.21 @, \$ 147.35 @, \$ 147.575 @, \$ 159.165 @, \$ 148.534 @, \$ 144.973 @, \$ 141.931 @, \$ 141.099 @, \$

BE20B030

Alpha = 0.0256105

post anova t-test pairs after sorting the sample means in descending order

1,6

11,13

1 @, \$ 75.3149 @, \$ 49.9372 @, \$ 68.0269 @, \$ 68.5351 @, \$ 63.0126 @, \$ 85.1183 @, \$ 85.3684 @, \$ 66.3215 @, \$ 61.7657 @, \$ 50.0159 @, \$ 2 @, \$ 188.686 @, \$ 196.451 @, \$ 191.791 @, \$ 187.406 @, \$ 184.162 @, \$ 213.825 @, \$ 182.524 @, \$ 170.666 @, \$ 189.584 @, \$ 186.25 @, \$ 3 @, \$ 150.245 @, \$ 144.182 @, \$ 146.489 @, \$ 150.425 @, \$ 150.472 @, \$ 176.272 @, \$ 151.103 @, \$ 145.929 @, \$ 148.707 @, \$ 146.692 @, \$ 4 @, \$ 240.721 @, \$ 239.849 @, \$ 242.764 @, \$ 241.659 @, \$ 242.135 @, \$ 248.133 @, \$ 241.737 @, \$ 241.214 @, \$ 242.076 @, \$ 240.389 @, \$ 5 @, \$ 121.001 @, \$ 113.215 @, \$ 109.3 @, \$ 109.504 @, \$ 112.871 @, \$ 117.846 @, \$ 122.425 @, \$ 112.844 @, \$ 107.214 @, \$ 126.503 @, \$ 6 @, \$ 170.464 @, \$ 170.346 @, \$ 173.952 @, \$ 170.683 @, \$ 160.113 @, \$ 170.529 @, \$ 177.249 @, \$ 167.607 @, \$ 159.863 @, \$ 160.951 @, \$ 7 @, \$ 265.577 @, \$ 268.697 @, \$ 269.327 @, \$ 267.835 @, \$ 265.372 @, \$ 282.387 @, \$ 259.585 @, \$ 270.712 @, \$ 269.777 @, \$ 265.441 @, \$ 8 @, \$ 182.485 @, \$ 182.129 @, \$ 182.609 @, \$ 182.088 @, \$ 183.608 @, \$ 179.118 @, \$ 183.378 @, \$ 185.091 @, \$ 182.79 @, \$ 183.573 @, \$ 9 @, \$ 201.325 @, \$ 195.426 @, \$ 195.223 @, \$ 209.063 @, \$ 200.553 @, \$ 224.101 @, \$ 201.458 @, \$ 204.944 @, \$ 202.601 @, \$ 195.583 @, \$ 10 @, \$ 268.307 @, \$ 269.824 @, \$ 271.297 @, \$ 266.826 @, \$ 262.306 @, \$ 280.344 @, \$ 264.172 @, \$ 270.57 @, \$ 270.725 @, \$ 264.897 @, \$ 11 @, \$ 230.471 @, \$ 213.328 @, \$ 214.477 @, \$ 215.069 @, \$ 217.842 @, \$ 222.795 @, \$ 195.344 @, \$

206.332 @, \$ 191.256 @, \$ 215.523 @, \$  
12 @, \$ 220.496 @, \$ 219.944 @, \$ 237.34 @, \$ 237.813 @, \$ 229.489 @, \$ 250.313 @, \$ 227.755 @, \$ 224.789  
@, \$ 232.745 @, \$ 227.797 @, \$  
13 @, \$ 173.096 @, \$ 167.625 @, \$ 164.706 @, \$ 172.184 @, \$ 162.965 @, \$ 192.59 @, \$ 171.906 @, \$ 171.816  
@, \$ 167.404 @, \$ 174.544 @, \$  
14 @, \$ 236.305 @, \$ 226.824 @, \$ 244.896 @, \$ 231.156 @, \$ 226.343 @, \$ 233.715 @, \$ 237.069 @, \$  
232.331 @, \$ 243.355 @, \$ 224.289 @, \$  
15 @, \$ 5.25702 @, \$ 22.4227 @, \$ 6.47525 @, \$ 18.5822 @, \$ 17.4228 @, \$ 5.36596 @, \$ 23.6426 @, \$  
9.41938 @, \$ 16.2396 @, \$ 0.709841 @, \$

### BE20B038

Alpha = 0.0224139

post anova t-test pairs after sorting the sample means in descending order

2,7

9,14

1 @, \$ 257.77 @, \$ 255.533 @, \$ 251.903 @, \$ 251.02 @, \$ 245.791 @, \$ 253.068 @, \$ 255.696 @, \$ 247.062 @,  
\$, \$ 253.639 @, \$ 257.411 @, \$  
2 @, \$ 56.4034 @, \$ 43.9023 @, \$ 62.5758 @, \$ 54.1692 @, \$ 47.6273 @, \$ 46.9562 @, \$ 36.029 @, \$ 74.6156  
@, \$ 64.9524 @, \$ 45.1036 @, \$  
3 @, \$ 180.711 @, \$ 180.13 @, \$ 181.739 @, \$ 166.908 @, \$ 185.24 @, \$ 187.432 @, \$ 171.302 @, \$ 176.001 @,  
\$, \$ 178.042 @, \$ 171.275 @, \$  
4 @, \$ 1.18054 @, \$ 3.61803 @, \$ 5.28379 @, \$ 3.5914 @, \$ -1.32695 @, \$ 13.4876 @, \$ -9.65547 @, \$  
-2.09569 @, \$ -1.92136 @, \$ -0.097801 @, \$  
5 @, \$ 218.5 @, \$ 218.632 @, \$ 222.219 @, \$ 232.115 @, \$ 219.969 @, \$ 244.744 @, \$ 231.687 @, \$ 226.713 @,  
\$, \$ 213.373 @, \$ 218.43 @, \$  
6 @, \$ 74.3574 @, \$ 72.4033 @, \$ 72.9153 @, \$ 67.6497 @, \$ 68.7237 @, \$ 74.3417 @, \$ 65.4577 @, \$ 69.8546  
@, \$ 68.2071 @, \$ 70.4484 @, \$  
7 @, \$ 232.408 @, \$ 239.847 @, \$ 247.502 @, \$ 244.387 @, \$ 221.701 @, \$ 261.156 @, \$ 238.016 @, \$ 247.431  
@, \$ 229.936 @, \$ 245.527 @, \$  
8 @, \$ 111.699 @, \$ 111.849 @, \$ 109.056 @, \$ 99.105 @, \$ 119.494 @, \$ 130.641 @, \$ 98.7226 @, \$ 98.9072  
@, \$ 104.589 @, \$ 100.164 @, \$  
9 @, \$ 38.8584 @, \$ 46.0691 @, \$ 39.9089 @, \$ 41.2155 @, \$ 25.7779 @, \$ 38.4727 @, \$ 34.5896 @, \$ 35.6768  
@, \$ 37.9697 @, \$ 42.0397 @, \$  
10 @, \$ 165.583 @, \$ 177.468 @, \$ 147.966 @, \$ 160.074 @, \$ 159.07 @, \$ 175.669 @, \$ 159.121 @, \$ 163.358  
@, \$ 171.844 @, \$ 163.936 @, \$  
11 @, \$ 24.0882 @, \$ 10.2111 @, \$ 4.28959 @, \$ 2.8191 @, \$ 23.0479 @, \$ 15.0438 @, \$ 24.8178 @, \$ 18.6406  
@, \$ 4.61772 @, \$ 25.0109 @, \$  
12 @, \$ 276.606 @, \$ 277.24 @, \$ 278.029 @, \$ 278.669 @, \$ 282.074 @, \$ 290.112 @, \$ 276.696 @, \$ 280.55  
@, \$ 279.783 @, \$ 282.577 @, \$  
13 @, \$ 194.799 @, \$ 192.695 @, \$ 192.55 @, \$ 192.933 @, \$ 185.554 @, \$ 200.095 @, \$ 198.388 @, \$ 193.447  
@, \$ 189.256 @, \$ 192.903 @, \$  
14 @, \$ 62.0122 @, \$ 69.4046 @, \$ 66.1847 @, \$ 60.6376 @, \$ 57.6384 @, \$ 88.3935 @, \$ 66.6981 @, \$  
60.2773 @, \$ 62.7986 @, \$ 42.2148 @, \$  
15 @, \$ 61.3083 @, \$ 73.7351 @, \$ 77.843 @, \$ 72.358 @, \$ 82.405 @, \$ 79.7685 @, \$ 74.7287 @, \$ 66.2886 @,  
\$, \$ 74.6212 @, \$ 68.8696 @, \$

### BE21B003

Alpha = 0.0368401

post anova t-test pairs after sorting the sample means in descending order

2,8

10,13

1 @, \$ 257.217 @, \$ 259.028 @, \$ 261.447 @, \$ 258.103 @, \$ 260.824 @, \$ 257.206 @, \$ 259.133 @, \$ 256.449

@, \$ 252.425 @, \$ 255.429 @, \$  
2 @, \$ 209.406 @, \$ 211.91 @, \$ 213.734 @, \$ 207.815 @, \$ 212.971 @, \$ 230.943 @, \$ 210.123 @, \$ 214.262  
@, \$ 203.468 @, \$ 216.26 @, \$  
3 @, \$ 8.92788 @, \$ 6.3403 @, \$ 2.99848 @, \$ 6.70205 @, \$ 0.161769 @, \$ 19.0579 @, \$ 6.38004 @, \$ 2.28477  
@, \$ 2.0584 @, \$ 1.61859 @, \$  
4 @, \$ -5.48474 @, \$ 2.01585 @, \$ 4.34131 @, \$ -9.3425 @, \$ 3.29023 @, \$ -0.415279 @, \$ 1.56625 @, \$  
-5.83039 @, \$ 12.665 @, \$ -0.487198 @, \$  
5 @, \$ 261.675 @, \$ 265.839 @, \$ 264 @, \$ 259.155 @, \$ 258.867 @, \$ 265.979 @, \$ 270.842 @, \$ 253.474 @,  
\$ 266.014 @, \$ 272.381 @, \$  
6 @, \$ 53.7748 @, \$ 53.8695 @, \$ 59.5268 @, \$ 56.7896 @, \$ 54.6939 @, \$ 63.4356 @, \$ 47.7588 @, \$ 52.6727  
@, \$ 49.2668 @, \$ 60.3152 @, \$  
7 @, \$ 82.0983 @, \$ 68.955 @, \$ 70.0623 @, \$ 54.0755 @, \$ 56.3864 @, \$ 60.7327 @, \$ 62.701 @, \$ 79.8994 @,  
\$ 71.824 @, \$ 76.2026 @, \$  
8 @, \$ 89.468 @, \$ 95.5119 @, \$ 92.3272 @, \$ 86.6112 @, \$ 96.5252 @, \$ 105.98 @, \$ 100.3 @, \$ 95.8515 @, \$  
95.5003 @, \$ 87.7318 @, \$  
9 @, \$ 25.157 @, \$ 22.5073 @, \$ 20.7238 @, \$ 20.5195 @, \$ 21.4242 @, \$ 29.6405 @, \$ 28.8054 @, \$ 26.2417  
@, \$ 28.5435 @, \$ 26.5053 @, \$  
10 @, \$ 229.132 @, \$ 225.75 @, \$ 221.357 @, \$ 228.454 @, \$ 217.098 @, \$ 243.805 @, \$ 219.883 @, \$ 226.425  
@, \$ 221.419 @, \$ 229.51 @, \$  
11 @, \$ 97.0797 @, \$ 94.0282 @, \$ 93.3617 @, \$ 93.8812 @, \$ 95.8172 @, \$ 105.182 @, \$ 94.8337 @, \$  
97.5321 @, \$ 96.3089 @, \$ 93.9187 @, \$  
12 @, \$ 100.208 @, \$ 98.7654 @, \$ 94.3588 @, \$ 101.804 @, \$ 106.217 @, \$ 119.603 @, \$ 93.4823 @, \$  
99.8419 @, \$ 101.459 @, \$ 103.482 @, \$  
13 @, \$ 117.347 @, \$ 140.859 @, \$ 140.926 @, \$ 141.718 @, \$ 135.765 @, \$ 141.628 @, \$ 141.363 @, \$  
126.477 @, \$ 128.406 @, \$ 129.31 @, \$  
14 @, \$ 130.976 @, \$ 128.139 @, \$ 123.496 @, \$ 120.069 @, \$ 126.386 @, \$ 133.653 @, \$ 133.857 @, \$ 122.16  
@, \$ 122.005 @, \$ 121.58 @, \$  
15 @, \$ 12.6057 @, \$ 12.5224 @, \$ 14.2477 @, \$ 5.39343 @, \$ 26.1805 @, \$ 33.7709 @, \$ 14.9522 @, \$ 32.237  
@, \$ 25.3471 @, \$ 11.399 @, \$

BE21B006

Alpha = 0.0337093

post anova t-test pairs after sorting the sample means in descending order

3,6

10,13

1 @, \$ 83.1651 @, \$ 80.9 @, \$ 84.9001 @, \$ 85.2872 @, \$ 82.7562 @, \$ 90.1028 @, \$ 73.9215 @, \$ 75.48 @, \$  
85.4344 @, \$ 82.908 @, \$  
2 @, \$ 81.453 @, \$ 103.728 @, \$ 103.41 @, \$ 93.9329 @, \$ 97.5277 @, \$ 123.555 @, \$ 99.9322 @, \$ 110.671 @,  
\$ 96.4134 @, \$ 94.7671 @, \$  
3 @, \$ 255.309 @, \$ 254.499 @, \$ 250.838 @, \$ 253.824 @, \$ 262.772 @, \$ 244.538 @, \$ 253.013 @, \$ 243.148  
@, \$ 265.328 @, \$ 252.633 @, \$  
4 @, \$ 234.117 @, \$ 226.632 @, \$ 239.107 @, \$ 228.836 @, \$ 219.316 @, \$ 232.432 @, \$ 235.031 @, \$ 233.881  
@, \$ 236.165 @, \$ 238.074 @, \$  
5 @, \$ 84.8997 @, \$ 83.8135 @, \$ 83.8205 @, \$ 84.0751 @, \$ 84.4674 @, \$ 80.5711 @, \$ 83.5058 @, \$ 84.0705  
@, \$ 82.6174 @, \$ 86.531 @, \$  
6 @, \$ 265.899 @, \$ 260.862 @, \$ 259.669 @, \$ 260.943 @, \$ 263.364 @, \$ 263.698 @, \$ 263.398 @, \$ 263.336  
@, \$ 268.078 @, \$ 262.986 @, \$  
7 @, \$ 67.3301 @, \$ 67.7233 @, \$ 62.1362 @, \$ 59.6522 @, \$ 63.9495 @, \$ 66.6959 @, \$ 53.7801 @, \$ 57.3162  
@, \$ 56.5409 @, \$ 52.421 @, \$  
8 @, \$ 63.0199 @, \$ 63.161 @, \$ 58.4789 @, \$ 63.7086 @, \$ 69.8687 @, \$ 81.7917 @, \$ 58.4347 @, \$ 56.7525  
@, \$ 68.4687 @, \$ 54.982 @, \$  
9 @, \$ 213.049 @, \$ 234.832 @, \$ 216.987 @, \$ 215.1 @, \$ 221.174 @, \$ 229.166 @, \$ 223.65 @, \$ 227.701 @,  
\$ 228.872 @, \$ 223.91 @, \$

10 @ , \$ 285.452 @ , \$ 281.769 @ , \$ 297.318 @ , \$ 285.319 @ , \$ 270.412 @ , \$ 275.304 @ , \$ 272.967 @ , \$ 282.169 @ , \$ 281.587 @ , \$ 285.172 @ , \$ 11 @ , \$ 1.1077 @ , \$ 9.59316 @ , \$ 9.74232 @ , \$ 8.57804 @ , \$ 5.29377 @ , \$ 22.93 @ , \$ 12.5887 @ , \$ 9.8899 @ , \$ 6.61413 @ , \$ 13.4916 @ , \$ 12 @ , \$ 6.32051 @ , \$ 2.04233 @ , \$ 5.44058 @ , \$ 7.81976 @ , \$ -0.920083 @ , \$ 7.75235 @ , \$ -4.79459 @ , \$ 5.29464 @ , \$ -4.59092 @ , \$ -3.73987 @ , \$ 13 @ , \$ 26.0151 @ , \$ 17.4591 @ , \$ 25.1573 @ , \$ 23.8501 @ , \$ 30.1209 @ , \$ 34.2187 @ , \$ 34.7526 @ , \$ 26.1303 @ , \$ 20.0481 @ , \$ 11.7393 @ , \$ 14 @ , \$ 112.319 @ , \$ 108.651 @ , \$ 119.557 @ , \$ 122.009 @ , \$ 127.525 @ , \$ 144.498 @ , \$ 130.492 @ , \$ 99.7719 @ , \$ 119.662 @ , \$ 118.815 @ , \$ 15 @ , \$ 15.822 @ , \$ -9.47075 @ , \$ 17.6718 @ , \$ 12.7705 @ , \$ 19.5504 @ , \$ 15.3005 @ , \$ 26.9799 @ , \$ 6.00022 @ , \$ 26.3977 @ , \$ 17.5622 @ , \$

## BE21B014

Alpha = 0.0231521

post anova t-test pairs after sorting the sample means in descending order

3,8

9,15

1 @ , \$ 91.4939 @ , \$ 83.3645 @ , \$ 94.7862 @ , \$ 95.6033 @ , \$ 85.1298 @ , \$ 80.9866 @ , \$ 88.8921 @ , \$ 90.5454 @ , \$ 85.858 @ , \$ 92.6269 @ , \$ 2 @ , \$ 113.927 @ , \$ 100.031 @ , \$ 108.345 @ , \$ 107.037 @ , \$ 121.659 @ , \$ 147.782 @ , \$ 119.086 @ , \$ 104.371 @ , \$ 111.894 @ , \$ 114.574 @ , \$ 3 @ , \$ 164.107 @ , \$ 160.026 @ , \$ 159.394 @ , \$ 150.527 @ , \$ 156.803 @ , \$ 189.452 @ , \$ 161.109 @ , \$ 156.686 @ , \$ 160.674 @ , \$ 161.466 @ , \$ 4 @ , \$ 144.9 @ , \$ 137.621 @ , \$ 151.997 @ , \$ 144.255 @ , \$ 136.356 @ , \$ 160.142 @ , \$ 140.71 @ , \$ 149.446 @ , \$ 155.361 @ , \$ 139.84 @ , \$ 5 @ , \$ 213.035 @ , \$ 209.362 @ , \$ 208.259 @ , \$ 214.343 @ , \$ 205.269 @ , \$ 224.53 @ , \$ 214.445 @ , \$ 213.275 @ , \$ 208.805 @ , \$ 210.785 @ , \$ 6 @ , \$ 256.334 @ , \$ 262.317 @ , \$ 269.083 @ , \$ 269.894 @ , \$ 266.415 @ , \$ 279.511 @ , \$ 264.78 @ , \$ 271.331 @ , \$ 270.507 @ , \$ 271.459 @ , \$ 7 @ , \$ 296.05 @ , \$ 294.986 @ , \$ 297.503 @ , \$ 295.354 @ , \$ 285.906 @ , \$ 307.27 @ , \$ 293.967 @ , \$ 295.388 @ , \$ 298.385 @ , \$ 284.809 @ , \$ 8 @ , \$ 246.77 @ , \$ 245.017 @ , \$ 238.653 @ , \$ 258.755 @ , \$ 231.054 @ , \$ 262.692 @ , \$ 240.254 @ , \$ 236.134 @ , \$ 252.302 @ , \$ 246.99 @ , \$ 9 @ , \$ 185.079 @ , \$ 205.17 @ , \$ 192.144 @ , \$ 201.158 @ , \$ 184.203 @ , \$ 190.454 @ , \$ 183.398 @ , \$ 185.691 @ , \$ 158.427 @ , \$ 178.51 @ , \$ 10 @ , \$ 135.214 @ , \$ 119.173 @ , \$ 115.284 @ , \$ 117.584 @ , \$ 131.528 @ , \$ 146.123 @ , \$ 122.761 @ , \$ 129.655 @ , \$ 125.225 @ , \$ 106.794 @ , \$ 11 @ , \$ 44.4286 @ , \$ 32.6472 @ , \$ 42.735 @ , \$ 49.2117 @ , \$ 40.8861 @ , \$ 92.6131 @ , \$ 37.7439 @ , \$ 45.0452 @ , \$ 36.1261 @ , \$ 34.1029 @ , \$ 12 @ , \$ 55.6385 @ , \$ 36.7559 @ , \$ 63.7485 @ , \$ 55.3617 @ , \$ 70.1122 @ , \$ 67.8023 @ , \$ 63.5987 @ , \$ 38.7595 @ , \$ 45.1549 @ , \$ 56.7019 @ , \$ 13 @ , \$ 111.619 @ , \$ 103.998 @ , \$ 103.535 @ , \$ 103.87 @ , \$ 107.507 @ , \$ 88.5639 @ , \$ 102.84 @ , \$ 99.2713 @ , \$ 102.445 @ , \$ 107.199 @ , \$ 14 @ , \$ 103.739 @ , \$ 105.41 @ , \$ 100.046 @ , \$ 105.89 @ , \$ 99.8003 @ , \$ 109.986 @ , \$ 101.901 @ , \$ 101.517 @ , \$ 105.998 @ , \$ 95.2049 @ , \$ 15 @ , \$ 252.888 @ , \$ 265.945 @ , \$ 259.472 @ , \$ 260.677 @ , \$ 251.082 @ , \$ 269.488 @ , \$ 263.252 @ , \$ 274.401 @ , \$ 258.297 @ , \$ 261.541 @ , \$

## BE21B018

Alpha = 0.0161103

post anova t-test pairs after sorting the sample means in descending order

1,8  
9,15

1 @, \$ 142.522 @, \$ 141.959 @, \$ 157.799 @, \$ 155.953 @, \$ 149.848 @, \$ 148.505 @, \$ 132.99 @, \$ 137.079 @, \$ 145.389 @, \$ 144.886 @, \$  
2 @, \$ 238.091 @, \$ 232.666 @, \$ 237.279 @, \$ 228.533 @, \$ 233.691 @, \$ 246.064 @, \$ 235.204 @, \$ 244.301 @, \$ 231.384 @, \$ 229.739 @, \$  
3 @, \$ 260.616 @, \$ 245.168 @, \$ 267.955 @, \$ 259.479 @, \$ 260.019 @, \$ 269.031 @, \$ 260.022 @, \$ 254.532 @, \$ 239.732 @, \$ 263.427 @, \$  
4 @, \$ 186.735 @, \$ 193.75 @, \$ 204.525 @, \$ 202.089 @, \$ 190.648 @, \$ 204.693 @, \$ 198.048 @, \$ 199.275 @, \$ 206.29 @, \$ 177.849 @, \$  
5 @, \$ 225.379 @, \$ 229.281 @, \$ 216.164 @, \$ 211.02 @, \$ 220.723 @, \$ 239.257 @, \$ 199.91 @, \$ 212.296 @, \$ 230.603 @, \$ 215.043 @, \$  
6 @, \$ 252.419 @, \$ 233.313 @, \$ 250.362 @, \$ 251.467 @, \$ 245.366 @, \$ 263.675 @, \$ 226.166 @, \$ 251.492 @, \$ 236.54 @, \$ 256.361 @, \$  
7 @, \$ 71.8106 @, \$ 76.5019 @, \$ 89.8357 @, \$ 87.9072 @, \$ 92.7368 @, \$ 78.0683 @, \$ 72.4884 @, \$ 74.9397 @, \$ 94.582 @, \$ 74.1649 @, \$  
8 @, \$ 112.182 @, \$ 110.966 @, \$ 112.884 @, \$ 109.274 @, \$ 117.725 @, \$ 122.184 @, \$ 106.352 @, \$ 118.101 @, \$ 125.451 @, \$ 108.992 @, \$  
9 @, \$ 183.962 @, \$ 171.282 @, \$ 178.357 @, \$ 172.086 @, \$ 182.156 @, \$ 204.552 @, \$ 181.849 @, \$ 195.465 @, \$ 181.008 @, \$ 184.691 @, \$  
10 @, \$ 88.6398 @, \$ 94.2675 @, \$ 99.2626 @, \$ 104.222 @, \$ 92.6084 @, \$ 96.8067 @, \$ 87.3457 @, \$ 81.982 @, \$ 79.9007 @, \$ 124.217 @, \$  
11 @, \$ 290.667 @, \$ 298.45 @, \$ 300.903 @, \$ 291.451 @, \$ 290.576 @, \$ 276.29 @, \$ 291.981 @, \$ 287.66 @, \$ 298.853 @, \$ 304.741 @, \$  
12 @, \$ 245.984 @, \$ 254.485 @, \$ 253.726 @, \$ 253.206 @, \$ 265.839 @, \$ 285.425 @, \$ 242.265 @, \$ 265.971 @, \$ 242.196 @, \$ 249.596 @, \$  
13 @, \$ 142.386 @, \$ 151.725 @, \$ 146.299 @, \$ 138.932 @, \$ 159.21 @, \$ 164.18 @, \$ 126.705 @, \$ 132.537 @, \$ 152.172 @, \$ 130.278 @, \$  
14 @, \$ 101.793 @, \$ 88.1105 @, \$ 100.645 @, \$ 115.246 @, \$ 88.1738 @, \$ 118.138 @, \$ 108.078 @, \$ 95.6977 @, \$ 96.5284 @, \$ 105.943 @, \$  
15 @, \$ 171.013 @, \$ 182.249 @, \$ 167.265 @, \$ 174.865 @, \$ 176.086 @, \$ 208.175 @, \$ 190.058 @, \$ 169.926 @, \$ 183.609 @, \$ 177.671 @, \$

BE21B020

Alpha = 0.0868942

post anova t-test pairs after sorting the sample means in descending order

3,6

10,14

1 @, \$ 216.168 @, \$ 222.585 @, \$ 214.926 @, \$ 217.922 @, \$ 210.718 @, \$ 210.583 @, \$ 212.263 @, \$ 212.218 @, \$ 221.153 @, \$ 215.202 @, \$  
2 @, \$ 83.3695 @, \$ 84.7281 @, \$ 75.8057 @, \$ 92.5392 @, \$ 88.5051 @, \$ 89.6116 @, \$ 87.4684 @, \$ 80.4023 @, \$ 96.6324 @, \$ 85.7982 @, \$  
3 @, \$ 121.746 @, \$ 125.709 @, \$ 125.158 @, \$ 123.273 @, \$ 122.514 @, \$ 128.396 @, \$ 115.228 @, \$ 117.65 @, \$ 118.18 @, \$ 124.607 @, \$  
4 @, \$ 35.1122 @, \$ 42.9691 @, \$ 41.0043 @, \$ 35.7952 @, \$ 36.5092 @, \$ 31.7459 @, \$ 24.723 @, \$ 31.1018 @, \$ 19.9214 @, \$ 18.4286 @, \$  
5 @, \$ 29.6704 @, \$ 30.3234 @, \$ 31.962 @, \$ 27.8529 @, \$ 29.5037 @, \$ 37.7827 @, \$ 33.0901 @, \$ 31.8387 @, \$ 31.0218 @, \$ 32.7237 @, \$  
6 @, \$ 13.2673 @, \$ 14.4075 @, \$ 14.3669 @, \$ 15.0773 @, \$ 22.9127 @, \$ 27.6774 @, \$ 23.4379 @, \$ 1.60909 @, \$ 23.6993 @, \$ 9.66106 @, \$  
7 @, \$ 123.241 @, \$ 119.881 @, \$ 115.672 @, \$ 112.248 @, \$ 118.377 @, \$ 119.489 @, \$ 120.364 @, \$ 121.868 @, \$ 114.411 @, \$ 107.421 @, \$  
8 @, \$ 91.6389 @, \$ 88.9603 @, \$ 89.9133 @, \$ 91.7908 @, \$ 87.8415 @, \$ 109.036 @, \$ 90.6102 @, \$ 88.1747

@ , \$ 87.8994 @ , \$ 86.4878 @ , \$ 9 @ , \$ 215.166 @ , \$ 207.247 @ , \$ 214.826 @ , \$ 226.693 @ , \$ 219.524 @ , \$ 200.163 @ , \$ 220.581 @ , \$ 219.296 @ , \$ 212.746 @ , \$ 226.408 @ , \$ 10 @ , \$ 65.3982 @ , \$ 52.7347 @ , \$ 64.084 @ , \$ 57.5882 @ , \$ 59.6825 @ , \$ 80.1648 @ , \$ 60.7718 @ , \$ 67.2822 @ , \$ 58.6242 @ , \$ 64.2763 @ , \$ 11 @ , \$ 47.6292 @ , \$ 20.8774 @ , \$ 46.9324 @ , \$ 46.7729 @ , \$ 47.4102 @ , \$ 51.1627 @ , \$ 52.7358 @ , \$ 30.3111 @ , \$ 40.3913 @ , \$ 41.2172 @ , \$ 12 @ , \$ 147.944 @ , \$ 147.512 @ , \$ 147.14 @ , \$ 144.171 @ , \$ 148.65 @ , \$ 155.21 @ , \$ 143.061 @ , \$ 142.081 @ , \$ 143.346 @ , \$ 148.117 @ , \$ 13 @ , \$ 303.623 @ , \$ 296.674 @ , \$ 292.996 @ , \$ 289.753 @ , \$ 293.396 @ , \$ 315.485 @ , \$ 283.817 @ , \$ 296.949 @ , \$ 294.206 @ , \$ 290.478 @ , \$ 14 @ , \$ 108.103 @ , \$ 123.408 @ , \$ 129.614 @ , \$ 108.056 @ , \$ 115.845 @ , \$ 138.212 @ , \$ 124.189 @ , \$ 120.565 @ , \$ 116.065 @ , \$ 135.288 @ , \$ 15 @ , \$ 18.9761 @ , \$ 13.9197 @ , \$ 13.7582 @ , \$ 13.4149 @ , \$ 17.7669 @ , \$ 18.4257 @ , \$ 20.4369 @ , \$ 13.6556 @ , \$ 17.0655 @ , \$ 15.6867 @ , \$

BE21B022

Alpha = 0.045717

post anova t-test pairs after sorting the sample means in descending order

2,8

10,14

1 @ , \$ 141.398 @ , \$ 141.655 @ , \$ 144.527 @ , \$ 135.908 @ , \$ 148.289 @ , \$ 160.995 @ , \$ 144.827 @ , \$ 146.856 @ , \$ 142.522 @ , \$ 139.48 @ , \$ 2 @ , \$ 44.3449 @ , \$ 30.5457 @ , \$ 36.7174 @ , \$ 51.0446 @ , \$ 41.0335 @ , \$ 42.9358 @ , \$ 32.2109 @ , \$ 28.1139 @ , \$ 42.6843 @ , \$ 41.2753 @ , \$ 3 @ , \$ 35.5943 @ , \$ 28.191 @ , \$ 35.8689 @ , \$ 36.1026 @ , \$ 33.0503 @ , \$ 54.3182 @ , \$ 40.979 @ , \$ 37.9231 @ , \$ 50.1987 @ , \$ 33.6011 @ , \$ 4 @ , \$ 73.4844 @ , \$ 53.0962 @ , \$ 84.3825 @ , \$ 80.595 @ , \$ 82.0886 @ , \$ 91.8836 @ , \$ 76.7661 @ , \$ 73.4068 @ , \$ 64.6319 @ , \$ 64.2233 @ , \$ 5 @ , \$ 150.758 @ , \$ 136.385 @ , \$ 129.777 @ , \$ 132.859 @ , \$ 151.983 @ , \$ 150.373 @ , \$ 132.607 @ , \$ 134.829 @ , \$ 136.894 @ , \$ 133.706 @ , \$ 6 @ , \$ 170.33 @ , \$ 177.877 @ , \$ 152.86 @ , \$ 172.086 @ , \$ 161.884 @ , \$ 176.639 @ , \$ 172.733 @ , \$ 167.834 @ , \$ 160.401 @ , \$ 148.662 @ , \$ 7 @ , \$ 12.3904 @ , \$ 2.33392 @ , \$ -11.7428 @ , \$ 16.1157 @ , \$ 18.2756 @ , \$ 11.8212 @ , \$ 7.25659 @ , \$ 0.0307327 @ , \$ -7.38963 @ , \$ 16.4982 @ , \$ 8 @ , \$ 264.936 @ , \$ 277.439 @ , \$ 267.933 @ , \$ 271.779 @ , \$ 274.829 @ , \$ 302.543 @ , \$ 263.794 @ , \$ 269.018 @ , \$ 274.259 @ , \$ 268.149 @ , \$ 9 @ , \$ 273.085 @ , \$ 273.817 @ , \$ 269.575 @ , \$ 263.956 @ , \$ 276.71 @ , \$ 281.786 @ , \$ 273.671 @ , \$ 269.349 @ , \$ 270.051 @ , \$ 270.319 @ , \$ 10 @ , \$ 207.113 @ , \$ 223.383 @ , \$ 221.307 @ , \$ 220.958 @ , \$ 225.159 @ , \$ 205.015 @ , \$ 205.599 @ , \$ 213.44 @ , \$ 219.126 @ , \$ 208.991 @ , \$ 11 @ , \$ 221.585 @ , \$ 235.673 @ , \$ 233.531 @ , \$ 245.817 @ , \$ 239.855 @ , \$ 235.621 @ , \$ 225.149 @ , \$ 230.819 @ , \$ 233.72 @ , \$ 231.823 @ , \$ 12 @ , \$ 280.43 @ , \$ 275.82 @ , \$ 284.82 @ , \$ 285.003 @ , \$ 280.614 @ , \$ 287.817 @ , \$ 277.96 @ , \$ 282.158 @ , \$ 282.747 @ , \$ 286.003 @ , \$ 13 @ , \$ 249.443 @ , \$ 245.322 @ , \$ 261.203 @ , \$ 246.843 @ , \$ 249.989 @ , \$ 240.566 @ , \$ 248.017 @ , \$ 243.775 @ , \$ 241.905 @ , \$ 249.543 @ , \$ 14 @ , \$ 157.025 @ , \$ 144.906 @ , \$ 151.561 @ , \$ 143.728 @ , \$ 146.606 @ , \$ 166.22 @ , \$ 145.419 @ , \$ 141.158 @ , \$ 150.433 @ , \$ 155.808 @ , \$ 15 @ , \$ 148.94 @ , \$ 150.72 @ , \$ 166.369 @ , \$ 159.334 @ , \$ 157.887 @ , \$ 155.13 @ , \$ 155.65 @ , \$ 152.394 @ , \$ 170.366 @ , \$ 145.773 @ , \$

BE21B023

Alpha = 0.0756172

post anova t-test pairs after sorting the sample means in descending order

1,4

12,13

1 @ , \$ 51.8401 @ , \$ 50.8671 @ , \$ 47.3924 @ , \$ 55.2951 @ , \$ 46.9137 @ , \$ 55.959 @ , \$ 43.8292 @ , \$ 51.7563 @ , \$ 41.4607 @ , \$ 47.2821 @ , \$ 2 @ , \$ 38.3782 @ , \$ 38.4363 @ , \$ 38.6936 @ , \$ 40.0222 @ , \$ 36.1204 @ , \$ 42.9273 @ , \$ 35.7458 @ , \$ 36.6844 @ , \$ 36.9332 @ , \$ 36.7125 @ , \$ 3 @ , \$ 143.555 @ , \$ 170.701 @ , \$ 164.715 @ , \$ 161.678 @ , \$ 163.764 @ , \$ 175.628 @ , \$ 165.167 @ , \$ 142.453 @ , \$ 169.936 @ , \$ 174.866 @ , \$ 4 @ , \$ 54.7496 @ , \$ 65.3169 @ , \$ 61.3885 @ , \$ 78.9599 @ , \$ 67.3337 @ , \$ 48.2496 @ , \$ 58.8999 @ , \$ 65.744 @ , \$ 62.5576 @ , \$ 64.4075 @ , \$ 5 @ , \$ 157.129 @ , \$ 127.972 @ , \$ 130.517 @ , \$ 118.668 @ , \$ 148.973 @ , \$ 137.07 @ , \$ 131.163 @ , \$ 122.94 @ , \$ 132.04 @ , \$ 138.552 @ , \$ 6 @ , \$ 226.003 @ , \$ 225.3 @ , \$ 218.92 @ , \$ 213.322 @ , \$ 220.33 @ , \$ 211.677 @ , \$ 214.814 @ , \$ 219.895 @ , \$ 217.909 @ , \$ 225.951 @ , \$ 7 @ , \$ 219.476 @ , \$ 220.718 @ , \$ 219.062 @ , \$ 218.298 @ , \$ 220.002 @ , \$ 230.372 @ , \$ 218.716 @ , \$ 221.879 @ , \$ 220.04 @ , \$ 220.566 @ , \$ 8 @ , \$ 213.729 @ , \$ 207.404 @ , \$ 215.181 @ , \$ 215.404 @ , \$ 215.841 @ , \$ 219.461 @ , \$ 204.601 @ , \$ 221.02 @ , \$ 212.469 @ , \$ 205.767 @ , \$ 9 @ , \$ 285.993 @ , \$ 289.125 @ , \$ 288.042 @ , \$ 286.346 @ , \$ 287.528 @ , \$ 305.068 @ , \$ 285.24 @ , \$ 287.844 @ , \$ 287.92 @ , \$ 286.11 @ , \$ 10 @ , \$ 137.201 @ , \$ 164.22 @ , \$ 149.503 @ , \$ 152.636 @ , \$ 163.087 @ , \$ 140.341 @ , \$ 147.346 @ , \$ 166.354 @ , \$ 175.772 @ , \$ 161.87 @ , \$ 11 @ , \$ 22.8322 @ , \$ 15.4513 @ , \$ 36.1565 @ , \$ 6.58164 @ , \$ 28.1411 @ , \$ 55.5786 @ , \$ 25.4177 @ , \$ 32.5055 @ , \$ 18.1749 @ , \$ 26.9831 @ , \$ 12 @ , \$ 168.766 @ , \$ 172.87 @ , \$ 167.837 @ , \$ 171.808 @ , \$ 178.655 @ , \$ 177.979 @ , \$ 171.498 @ , \$ 174.286 @ , \$ 169.772 @ , \$ 168.207 @ , \$ 13 @ , \$ 234.807 @ , \$ 237.794 @ , \$ 227.049 @ , \$ 238.948 @ , \$ 239.736 @ , \$ 247.415 @ , \$ 234.956 @ , \$ 216.255 @ , \$ 236.665 @ , \$ 234.533 @ , \$ 14 @ , \$ 10.6826 @ , \$ 12.8187 @ , \$ 0.573588 @ , \$ 16.1546 @ , \$ 22.5202 @ , \$ 13.6081 @ , \$ -5.59534 @ , \$ 10.4107 @ , \$ 8.99114 @ , \$ 5.3867 @ , \$ 15 @ , \$ 147.29 @ , \$ 144.253 @ , \$ 135.759 @ , \$ 136.299 @ , \$ 144.998 @ , \$ 144.721 @ , \$ 146.145 @ , \$ 147.556 @ , \$ 137.551 @ , \$ 138.855 @ , \$

BE21B024

Alpha = 0.0356507

post anova t-test pairs after sorting the sample means in descending order

2,6

10,14

1 @ , \$ 278.547 @ , \$ 277.229 @ , \$ 269.893 @ , \$ 274.591 @ , \$ 273.426 @ , \$ 273.328 @ , \$ 254.242 @ , \$ 271.475 @ , \$ 265.29 @ , \$ 279.525 @ , \$ 2 @ , \$ 159.739 @ , \$ 160.534 @ , \$ 172.935 @ , \$ 170.919 @ , \$ 147.033 @ , \$ 172.878 @ , \$ 160.614 @ , \$ 166.387 @ , \$ 161.895 @ , \$ 155.553 @ , \$ 3 @ , \$ 145.921 @ , \$ 155.282 @ , \$ 162.343 @ , \$ 152.15 @ , \$ 150.979 @ , \$ 156.052 @ , \$ 162.973 @ , \$ 176.708 @ , \$ 156.158 @ , \$ 138.045 @ , \$ 4 @ , \$ 210.07 @ , \$ 194.394 @ , \$ 217.105 @ , \$ 218.686 @ , \$ 210.233 @ , \$ 223.825 @ , \$ 206.893 @ , \$ 206.174 @ , \$ 200.08 @ , \$ 219.889 @ , \$ 5 @ , \$ 65.9254 @ , \$ 62.5569 @ , \$ 68.8581 @ , \$ 71.7882 @ , \$ 64.6969 @ , \$ 82.7674 @ , \$ 66.398 @ , \$ 71.7004 @ , \$ 55.6046 @ , \$ 69.0534 @ , \$ 6 @ , \$ 101.827 @ , \$ 103.52 @ , \$ 101.814 @ , \$ 105.829 @ , \$ 102.404 @ , \$ 93.0785 @ , \$ 98.441 @ , \$ 113.557 @ , \$ 98.4819 @ , \$ 100.716 @ , \$

7 @ , \$ 77.1012 @ , \$ 64.0082 @ , \$ 89.1063 @ , \$ 69.2574 @ , \$ 67.6139 @ , \$ 80.6502 @ , \$ 58.7551 @ , \$ 52.5894 @ , \$ 66.5105 @ , \$ 65.7811 @ , \$ 8 @ , \$ 138.647 @ , \$ 117.064 @ , \$ 157.312 @ , \$ 151.232 @ , \$ 138.28 @ , \$ 151.913 @ , \$ 153.763 @ , \$ 128.865 @ , \$ 133.897 @ , \$ 158.946 @ , \$ 9 @ , \$ 226.582 @ , \$ 225.898 @ , \$ 234.762 @ , \$ 243.357 @ , \$ 216.907 @ , \$ 235.905 @ , \$ 221.052 @ , \$ 218.96 @ , \$ 231.673 @ , \$ 215.869 @ , \$ 10 @ , \$ 190.051 @ , \$ 191.6 @ , \$ 186.481 @ , \$ 189.164 @ , \$ 189.262 @ , \$ 190.282 @ , \$ 193.12 @ , \$ 187.542 @ , \$ 189.569 @ , \$ 184.385 @ , \$ 11 @ , \$ 154.612 @ , \$ 151.344 @ , \$ 142.882 @ , \$ 153.394 @ , \$ 151.549 @ , \$ 161.649 @ , \$ 153.943 @ , \$ 150.609 @ , \$ 150.144 @ , \$ 155.95 @ , \$ 12 @ , \$ 22.7593 @ , \$ 29.9633 @ , \$ 32.7178 @ , \$ 25.3686 @ , \$ 17.2475 @ , \$ 12.4646 @ , \$ 13.7601 @ , \$ 22.4871 @ , \$ 28.4728 @ , \$ 5.91875 @ , \$ 13 @ , \$ 10.203 @ , \$ 13.1179 @ , \$ 27.2445 @ , \$ 23.9843 @ , \$ 15.0641 @ , \$ 50.1965 @ , \$ 3.51203 @ , \$ 13.1544 @ , \$ 11.1696 @ , \$ 20.8188 @ , \$ 14 @ , \$ 211.249 @ , \$ 200.915 @ , \$ 205.956 @ , \$ 196.364 @ , \$ 190.404 @ , \$ 199.686 @ , \$ 206.557 @ , \$ 183.988 @ , \$ 208.67 @ , \$ 204.16 @ , \$ 15 @ , \$ 116.275 @ , \$ 132.06 @ , \$ 124.777 @ , \$ 121.524 @ , \$ 126.783 @ , \$ 127.816 @ , \$ 123.173 @ , \$ 117.773 @ , \$ 138.076 @ , \$ 120.719 @ , \$

BE21B025

Alpha = 0.0986206

post anova t-test pairs after sorting the sample means in descending order

1,5

12,15

1 @ , \$ 95.045 @ , \$ 98.4483 @ , \$ 94.6013 @ , \$ 99.0897 @ , \$ 90.094 @ , \$ 119.745 @ , \$ 85.0935 @ , \$ 99.0751 @ , \$ 89.172 @ , \$ 87.6825 @ , \$ 2 @ , \$ 9.81077 @ , \$ 6.73362 @ , \$ 9.05639 @ , \$ 7.60871 @ , \$ 14.3056 @ , \$ 7.1827 @ , \$ 11.5092 @ , \$ 2.42794 @ , \$ 5.61242 @ , \$ 9.45421 @ , \$ 3 @ , \$ 94.2173 @ , \$ 107.268 @ , \$ 93.2801 @ , \$ 104.37 @ , \$ 104.709 @ , \$ 137.188 @ , \$ 105.009 @ , \$ 93.4303 @ , \$ 94.4728 @ , \$ 83.3715 @ , \$ 4 @ , \$ 196.74 @ , \$ 205.139 @ , \$ 197.423 @ , \$ 195.47 @ , \$ 201.381 @ , \$ 202.779 @ , \$ 197.36 @ , \$ 206.008 @ , \$ 192.617 @ , \$ 198.888 @ , \$ 5 @ , \$ 20.484 @ , \$ 9.17159 @ , \$ 4.42659 @ , \$ 7.18075 @ , \$ 15.3716 @ , \$ 40.174 @ , \$ 19.6118 @ , \$ 19.4828 @ , \$ 3.08663 @ , \$ 31.4542 @ , \$ 6 @ , \$ 31.9514 @ , \$ 33.3533 @ , \$ 33.0058 @ , \$ 44.6792 @ , \$ 40.3242 @ , \$ 53.707 @ , \$ 44.0758 @ , \$ 31.5427 @ , \$ 29.4259 @ , \$ 31.304 @ , \$ 7 @ , \$ 11.0893 @ , \$ 11.7536 @ , \$ 23.4493 @ , \$ 17.685 @ , \$ 10.7453 @ , \$ 26.4292 @ , \$ 21.1622 @ , \$ 18.8603 @ , \$ 9.85696 @ , \$ 21.3471 @ , \$ 8 @ , \$ 203.906 @ , \$ 188.245 @ , \$ 196.747 @ , \$ 200.562 @ , \$ 198.092 @ , \$ 206.793 @ , \$ 201.504 @ , \$ 198.742 @ , \$ 186.778 @ , \$ 201.202 @ , \$ 9 @ , \$ 211.407 @ , \$ 194.445 @ , \$ 191.666 @ , \$ 198.646 @ , \$ 198.678 @ , \$ 223.032 @ , \$ 200.027 @ , \$ 201.607 @ , \$ 184.095 @ , \$ 188.794 @ , \$ 10 @ , \$ 25.622 @ , \$ 18.6844 @ , \$ 23.0194 @ , \$ 17.9597 @ , \$ 16.9138 @ , \$ 32.0775 @ , \$ 20.5925 @ , \$ 13.9144 @ , \$ 28.1914 @ , \$ 28.21 @ , \$ 11 @ , \$ 185.487 @ , \$ 187.728 @ , \$ 174.425 @ , \$ 182.457 @ , \$ 182.748 @ , \$ 185.992 @ , \$ 182.633 @ , \$ 189.09 @ , \$ 190.279 @ , \$ 181.099 @ , \$ 12 @ , \$ 157.349 @ , \$ 159.495 @ , \$ 160.271 @ , \$ 150.662 @ , \$ 155.34 @ , \$ 178.841 @ , \$ 154.75 @ , \$ 160.446 @ , \$ 158.279 @ , \$ 156.166 @ , \$ 13 @ , \$ 45.8389 @ , \$ 55.0525 @ , \$ 47.2066 @ , \$ 53.9424 @ , \$ 44.8318 @ , \$ 54.5251 @ , \$ 52.48 @ , \$ 46.6281 @ , \$ 40.6539 @ , \$ 55.3844 @ , \$ 14 @ , \$ 23.7857 @ , \$ 5.77415 @ , \$ 26.679 @ , \$ 17.0715 @ , \$ 18.6977 @ , \$ 41.1771 @ , \$ 24.9098 @ , \$ 18.8842 @ , \$ 24.9309 @ , \$ 32.7311 @ , \$ 15 @ , \$ 59.3277 @ , \$ 54.6259 @ , \$ 58.0864 @ , \$ 56.9685 @ , \$ 60.614 @ , \$ 57.287 @ , \$ 55.8101 @ , \$ 56.8169

@, \$ 63.3957 @, \$ 56.2137 @, \$

BE21B028

Alpha = 0.0514114

post anova t-test pairs after sorting the sample means in descending order

1,7

11,13

1 @, \$ 122.061 @, \$ 127.806 @, \$ 128.393 @, \$ 114.898 @, \$ 131.729 @, \$ 126.241 @, \$ 126.127 @, \$ 125.417 @, \$ 125.741 @, \$ 116.759 @, \$ 2 @, \$ 120.137 @, \$ 120.569 @, \$ 116.121 @, \$ 118.293 @, \$ 117.36 @, \$ 121.58 @, \$ 115.574 @, \$ 118.525 @, \$ 116.406 @, \$ 113.861 @, \$ 3 @, \$ 157.666 @, \$ 134.907 @, \$ 145.052 @, \$ 127.472 @, \$ 147.584 @, \$ 156.041 @, \$ 144.795 @, \$ 142.734 @, \$ 139.014 @, \$ 142.133 @, \$ 4 @, \$ 137.133 @, \$ 142.92 @, \$ 146.658 @, \$ 143.1 @, \$ 145.763 @, \$ 159.266 @, \$ 132.776 @, \$ 156.149 @, \$ 142.105 @, \$ 141.776 @, \$ 5 @, \$ 34.842 @, \$ 23.1044 @, \$ -11.0538 @, \$ 27.2786 @, \$ 28.768 @, \$ 43.4437 @, \$ 20.7501 @, \$ 5.00144 @, \$ 14.2141 @, \$ 20.1649 @, \$ 6 @, \$ 272.141 @, \$ 270.801 @, \$ 269.803 @, \$ 265.892 @, \$ 282.409 @, \$ 277.592 @, \$ 271.551 @, \$ 269.559 @, \$ 274.31 @, \$ 272.763 @, \$ 7 @, \$ 72.1713 @, \$ 74.8082 @, \$ 62.66 @, \$ 73.5035 @, \$ 64.7413 @, \$ 95.4357 @, \$ 75.502 @, \$ 73.3161 @, \$ 67.2644 @, \$ 82.7357 @, \$ 8 @, \$ 179.803 @, \$ 173.247 @, \$ 176.915 @, \$ 171.741 @, \$ 157.475 @, \$ 185.792 @, \$ 173.29 @, \$ 177.924 @, \$ 166.607 @, \$ 179.641 @, \$ 9 @, \$ 273.501 @, \$ 275.305 @, \$ 280.221 @, \$ 265.638 @, \$ 271.087 @, \$ 286.806 @, \$ 280.829 @, \$ 278.646 @, \$ 266.701 @, \$ 279.889 @, \$ 10 @, \$ 88.127 @, \$ 93.5476 @, \$ 89.1409 @, \$ 82.8354 @, \$ 88.2979 @, \$ 114.785 @, \$ 88.2729 @, \$ 92.7076 @, \$ 99.1791 @, \$ 90.1761 @, \$ 11 @, \$ 86.0593 @, \$ 69.2598 @, \$ 80.9903 @, \$ 79.6869 @, \$ 82.8411 @, \$ 103.982 @, \$ 77.249 @, \$ 67.8017 @, \$ 78.4604 @, \$ 63.3569 @, \$ 12 @, \$ 203.333 @, \$ 192.719 @, \$ 169.311 @, \$ 198.99 @, \$ 205.848 @, \$ 193.995 @, \$ 198.711 @, \$ 186.52 @, \$ 189.178 @, \$ 189.644 @, \$ 13 @, \$ 114.2 @, \$ 110.748 @, \$ 115.667 @, \$ 98.7081 @, \$ 115.546 @, \$ 125.44 @, \$ 118.234 @, \$ 100.966 @, \$ 114.535 @, \$ 99.1985 @, \$ 14 @, \$ 46.9277 @, \$ 45.3423 @, \$ 39.8657 @, \$ 31.8072 @, \$ 37.3005 @, \$ 61.9493 @, \$ 33.6989 @, \$ 36.7915 @, \$ 47.1648 @, \$ 35.9968 @, \$ 15 @, \$ 131.591 @, \$ 113.35 @, \$ 123.924 @, \$ 117.942 @, \$ 131.542 @, \$ 127.76 @, \$ 120.442 @, \$ 125.881 @, \$ 118.583 @, \$ 115.879 @, \$

BE21B031

Alpha = 0.02864

post anova t-test pairs after sorting the sample means in descending order

2,5

9,14

1 @, \$ 256.388 @, \$ 252.375 @, \$ 262.86 @, \$ 275.055 @, \$ 263.832 @, \$ 256.196 @, \$ 250.885 @, \$ 250.723 @, \$ 251.03 @, \$ 280.248 @, \$ 2 @, \$ 269.223 @, \$ 285.059 @, \$ 279.826 @, \$ 277.514 @, \$ 272.658 @, \$ 283.72 @, \$ 270.286 @, \$ 277.121 @, \$ 276.21 @, \$ 276.267 @, \$ 3 @, \$ 29.8605 @, \$ 20.5035 @, \$ 31.4905 @, \$ 13.0998 @, \$ 30.649 @, \$ 37.744 @, \$ 5.43246 @, \$ 13.5826 @, \$ 18.6194 @, \$ 6.50487 @, \$ 4 @, \$ 216.49 @, \$ 213.681 @, \$ 215.083 @, \$ 213.07 @, \$ 212.75 @, \$ 228.127 @, \$ 216.018 @, \$ 213.953 @, \$ 214.985 @, \$ 214.536 @, \$ 5 @, \$ 118.526 @, \$ 119.646 @, \$ 116.95 @, \$ 115.3 @, \$ 117.11 @, \$ 102.7 @, \$ 115.063 @, \$ 108.02 @, \$

125.43 @, \$ 113.416 @, \$  
6 @, \$ 55.5455 @, \$ 47.3924 @, \$ 67.9859 @, \$ 55.6803 @, \$ 69.3474 @, \$ 75.0843 @, \$ 47.4513 @, \$ 64.8525 @, \$ 76.2355 @, \$ 64.5433 @, \$  
7 @, \$ 143.459 @, \$ 138.67 @, \$ 140.151 @, \$ 150.122 @, \$ 154.502 @, \$ 176.79 @, \$ 137.555 @, \$ 135.44 @, \$ 132.149 @, \$ 154.576 @, \$  
8 @, \$ 183.466 @, \$ 182.289 @, \$ 184.911 @, \$ 182.828 @, \$ 183.724 @, \$ 200.974 @, \$ 184.099 @, \$ 184.744 @, \$ 183.035 @, \$ 184.358 @, \$  
9 @, \$ 128.676 @, \$ 129.886 @, \$ 131.136 @, \$ 125.844 @, \$ 126.792 @, \$ 154.598 @, \$ 131.075 @, \$ 134.832 @, \$ 138.405 @, \$ 129.807 @, \$  
10 @, \$ 52.256 @, \$ 35.8173 @, \$ 53.9042 @, \$ 51.6213 @, \$ 66.9361 @, \$ 72.3018 @, \$ 55.0868 @, \$ 56.3269 @, \$ 62.3794 @, \$ 50.9749 @, \$  
11 @, \$ 160.821 @, \$ 162.663 @, \$ 161.775 @, \$ 161.369 @, \$ 160.265 @, \$ 168.177 @, \$ 160.263 @, \$ 157.437 @, \$ 158.571 @, \$ 159.272 @, \$  
12 @, \$ 200.76 @, \$ 206.218 @, \$ 215.323 @, \$ 199.875 @, \$ 203.282 @, \$ 219.554 @, \$ 204.373 @, \$ 210.282 @, \$ 211.208 @, \$ 216.292 @, \$  
13 @, \$ 194.501 @, \$ 197.095 @, \$ 190.973 @, \$ 196.309 @, \$ 190.891 @, \$ 196.705 @, \$ 193.522 @, \$ 199.54 @, \$ 194.742 @, \$ 193.629 @, \$  
14 @, \$ 59.4058 @, \$ 72.5102 @, \$ 63.0979 @, \$ 50.6391 @, \$ 56.2858 @, \$ 76.7036 @, \$ 56.9372 @, \$ 57.6904 @, \$ 69.9805 @, \$ 64.2505 @, \$  
15 @, \$ 34.7606 @, \$ 30.8688 @, \$ 46.1941 @, \$ 47.3589 @, \$ 45.9002 @, \$ 40.0097 @, \$ 44.4596 @, \$ 45.1372 @, \$ 36.257 @, \$ 38.6397 @, \$

BE21B032

Alpha = 0.0603511

post anova t-test pairs after sorting the sample means in descending order

2,7

12,13

1 @, \$ 23.0127 @, \$ 17.966 @, \$ 8.53279 @, \$ 18.6875 @, \$ 15.9933 @, \$ 27.2405 @, \$ -5.58612 @, \$ 11.1266 @, \$ 14.4529 @, \$ 9.25262 @, \$  
2 @, \$ 308.922 @, \$ 291.845 @, \$ 291.992 @, \$ 286.658 @, \$ 300.133 @, \$ 272.727 @, \$ 300.682 @, \$ 293.621 @, \$ 293.091 @, \$ 289.19 @, \$  
3 @, \$ 189.544 @, \$ 186.188 @, \$ 180.209 @, \$ 184.569 @, \$ 182.339 @, \$ 188.243 @, \$ 181.293 @, \$ 172.923 @, \$ 175.069 @, \$ 176.864 @, \$  
4 @, \$ 45.2632 @, \$ 28.5067 @, \$ 34.0493 @, \$ 40.729 @, \$ 31.3376 @, \$ 58.2016 @, \$ 27.6286 @, \$ 30.3232 @, \$ 40.9371 @, \$ 34.6831 @, \$  
5 @, \$ 284.264 @, \$ 268.451 @, \$ 282.562 @, \$ 281.387 @, \$ 287.702 @, \$ 294.45 @, \$ 289.529 @, \$ 290.033 @, \$ 271.697 @, \$ 286.774 @, \$  
6 @, \$ 69.4187 @, \$ 94.7844 @, \$ 71.8384 @, \$ 70.574 @, \$ 86.2834 @, \$ 92.4921 @, \$ 66.5341 @, \$ 91.8789 @, \$ 66.3914 @, \$ 87.7561 @, \$  
7 @, \$ 104.043 @, \$ 126.456 @, \$ 117.274 @, \$ 126.833 @, \$ 136.928 @, \$ 123.519 @, \$ 127.382 @, \$ 106.221 @, \$ 126.733 @, \$ 103.741 @, \$  
8 @, \$ 268.37 @, \$ 266.994 @, \$ 286.062 @, \$ 249.064 @, \$ 274.407 @, \$ 263.054 @, \$ 264.12 @, \$ 258.19 @, \$ 258.638 @, \$ 268.901 @, \$  
9 @, \$ 26.5515 @, \$ 27.294 @, \$ 25.8438 @, \$ 21.0523 @, \$ 26.4015 @, \$ 34.6412 @, \$ 27.9676 @, \$ 32.6771 @, \$ 21.1642 @, \$ 24.3424 @, \$  
10 @, \$ 202.5 @, \$ 207.429 @, \$ 207.181 @, \$ 209.423 @, \$ 210.635 @, \$ 217.7 @, \$ 212.509 @, \$ 204.225 @, \$ 207.608 @, \$ 202.837 @, \$  
11 @, \$ 145.166 @, \$ 145.39 @, \$ 146.678 @, \$ 140.031 @, \$ 145.147 @, \$ 167.086 @, \$ 143.11 @, \$ 143.304 @, \$ 147.024 @, \$ 147.725 @, \$  
12 @, \$ 39.5186 @, \$ 35.756 @, \$ 35.7383 @, \$ 30.3533 @, \$ 38.6455 @, \$ 50.4073 @, \$ 39.5079 @, \$ 34.3429 @, \$ 31.3753 @, \$ 31.702 @, \$  
13 @, \$ 135.423 @, \$ 132.453 @, \$ 133.923 @, \$ 125.462 @, \$ 130.908 @, \$ 155.146 @, \$ 121.938 @, \$ 132.651 @, \$ 142.011 @, \$ 138.906 @, \$

14 @ , \$ 1.97093 @ , \$ 22.0759 @ , \$ 20.8671 @ , \$ 6.61938 @ , \$ 17.7067 @ , \$ 12.9024 @ , \$ 2.31587 @ , \$ 24.134 @ , \$ 19.0023 @ , \$ 8.66379 @ , \$ 15 @ , \$ 200.355 @ , \$ 208.919 @ , \$ 202.746 @ , \$ 199.931 @ , \$ 206.037 @ , \$ 214.29 @ , \$ 207.132 @ , \$ 205.45 @ , \$ 203.814 @ , \$ 205.223 @ , \$

### BE21B035

Alpha = 0.0358093

post anova t-test pairs after sorting the sample means in descending order

1,6

10,14

1 @ , \$ 178.8 @ , \$ 166.061 @ , \$ 179.163 @ , \$ 181.239 @ , \$ 179.459 @ , \$ 186.239 @ , \$ 186.643 @ , \$ 177.926 @ , \$ 170.905 @ , \$ 168.601 @ , \$ 2 @ , \$ 237.105 @ , \$ 263.869 @ , \$ 243.339 @ , \$ 249.12 @ , \$ 249.422 @ , \$ 249.878 @ , \$ 267.083 @ , \$ 233.803 @ , \$ 269.261 @ , \$ 248.337 @ , \$ 3 @ , \$ 94.8552 @ , \$ 100.681 @ , \$ 87.0492 @ , \$ 94.3393 @ , \$ 98.284 @ , \$ 93.0174 @ , \$ 95.6152 @ , \$ 97.35 @ , \$ 99.1822 @ , \$ 105.865 @ , \$ 4 @ , \$ 77.6819 @ , \$ 104.059 @ , \$ 103.115 @ , \$ 99.8694 @ , \$ 105.601 @ , \$ 123.552 @ , \$ 86.8175 @ , \$ 108.019 @ , \$ 117.348 @ , \$ 117.056 @ , \$ 5 @ , \$ 45.4854 @ , \$ 36.0002 @ , \$ 33.4904 @ , \$ 32.54 @ , \$ 29.5318 @ , \$ 35.6521 @ , \$ 30.9832 @ , \$ 25.6095 @ , \$ 32.7962 @ , \$ 35.218 @ , \$ 6 @ , \$ 113.798 @ , \$ 114.076 @ , \$ 113.334 @ , \$ 114.855 @ , \$ 108.828 @ , \$ 118.075 @ , \$ 115.403 @ , \$ 108.306 @ , \$ 108.984 @ , \$ 106.553 @ , \$ 7 @ , \$ 115.478 @ , \$ 120.749 @ , \$ 125.865 @ , \$ 122.685 @ , \$ 114.176 @ , \$ 126.587 @ , \$ 118.606 @ , \$ 120.158 @ , \$ 116.33 @ , \$ 120.593 @ , \$ 8 @ , \$ 120.872 @ , \$ 124.741 @ , \$ 111.906 @ , \$ 120.043 @ , \$ 128.854 @ , \$ 120.249 @ , \$ 109.789 @ , \$ 119.557 @ , \$ 117.699 @ , \$ 124.04 @ , \$ 9 @ , \$ 142.527 @ , \$ 125.126 @ , \$ 144.017 @ , \$ 143.812 @ , \$ 134.215 @ , \$ 128.115 @ , \$ 143.768 @ , \$ 136.189 @ , \$ 124.219 @ , \$ 136.507 @ , \$ 10 @ , \$ 130.311 @ , \$ 125.627 @ , \$ 121.44 @ , \$ 143.182 @ , \$ 131.041 @ , \$ 146.765 @ , \$ 126.362 @ , \$ 135 @ , \$ 122.643 @ , \$ 140.049 @ , \$ 11 @ , \$ 57.2225 @ , \$ 52.1263 @ , \$ 52.3369 @ , \$ 57.5863 @ , \$ 51.9079 @ , \$ 73.9727 @ , \$ 54.5968 @ , \$ 53.2905 @ , \$ 54.3773 @ , \$ 50.8261 @ , \$ 12 @ , \$ 163.116 @ , \$ 164.111 @ , \$ 165.36 @ , \$ 165.015 @ , \$ 159.821 @ , \$ 152.495 @ , \$ 165.411 @ , \$ 163.526 @ , \$ 165.477 @ , \$ 164.738 @ , \$ 13 @ , \$ 233.547 @ , \$ 233.273 @ , \$ 226.43 @ , \$ 237.065 @ , \$ 228.035 @ , \$ 231.812 @ , \$ 242.977 @ , \$ 242.391 @ , \$ 224.83 @ , \$ 226.778 @ , \$ 14 @ , \$ 42.6256 @ , \$ 43.951 @ , \$ 43.7866 @ , \$ 44.4996 @ , \$ 42.0934 @ , \$ 60.382 @ , \$ 42.2976 @ , \$ 41.9906 @ , \$ 43.9671 @ , \$ 42.1245 @ , \$ 15 @ , \$ 39.9229 @ , \$ 36.5193 @ , \$ 35.5552 @ , \$ 48.5679 @ , \$ 37.1356 @ , \$ 68.6287 @ , \$ 35.811 @ , \$ 48.1211 @ , \$ 45.9674 @ , \$ 50.6208 @ , \$

### BE21B036

Alpha = 0.0939503

post anova t-test pairs after sorting the sample means in descending order

1,6

10,13

1 @ , \$ 118.654 @ , \$ 105.832 @ , \$ 127.088 @ , \$ 120.82 @ , \$ 110.645 @ , \$ 130.792 @ , \$ 101.432 @ , \$ 113.212 @ , \$ 119.286 @ , \$ 98.1145 @ , \$ 2 @ , \$ 69.6362 @ , \$ 62.4865 @ , \$ 68.9685 @ , \$ 71.2548 @ , \$ 61.3666 @ , \$ 81.9938 @ , \$ 76.902 @ , \$ 79.0925 @ , \$ 63.6811 @ , \$ 78.9372 @ , \$ 3 @ , \$ 211.28 @ , \$ 220.098 @ , \$ 218.692 @ , \$ 221.976 @ , \$ 213.967 @ , \$ 236.405 @ , \$ 217.713 @ , \$ 219.979 @ , \$ 203.945 @ , \$ 218.941 @ , \$

4 @ , \$ 103.134 @ , \$ 104.193 @ , \$ 110.39 @ , \$ 98.5292 @ , \$ 104.499 @ , \$ 102.77 @ , \$ 101.453 @ , \$ 105.33 @ ,  
\$ 103.079 @ , \$ 105.083 @ , \$ 5 @ , \$ 102.557 @ , \$ 94.7897 @ , \$ 110.495 @ , \$ 106.086 @ , \$ 104.322 @ , \$ 115.409 @ , \$ 102.387 @ , \$ 115.951  
@ , \$ 103.896 @ , \$ 117.287 @ , \$ 6 @ , \$ 102.303 @ , \$ 102.774 @ , \$ 104.821 @ , \$ 100.133 @ , \$ 103.47 @ , \$ 135.616 @ , \$ 94.8734 @ , \$ 102.772  
@ , \$ 88.4832 @ , \$ 105.291 @ , \$ 7 @ , \$ 139.35 @ , \$ 155.606 @ , \$ 147.903 @ , \$ 141.678 @ , \$ 152.621 @ , \$ 153.45 @ , \$ 145.42 @ , \$ 143.217 @ ,  
\$ 141.649 @ , \$ 147.962 @ , \$ 8 @ , \$ 275.746 @ , \$ 277.638 @ , \$ 279.558 @ , \$ 276.334 @ , \$ 274.859 @ , \$ 293.89 @ , \$ 277.794 @ , \$ 295.251  
@ , \$ 288.625 @ , \$ 267.573 @ , \$ 9 @ , \$ 136.984 @ , \$ 158.948 @ , \$ 165.045 @ , \$ 153.588 @ , \$ 152.387 @ , \$ 172.183 @ , \$ 169.353 @ , \$ 148.04  
@ , \$ 143.773 @ , \$ 149.222 @ , \$ 10 @ , \$ 82.6557 @ , \$ 70.9663 @ , \$ 84.6887 @ , \$ 76.8267 @ , \$ 76.1877 @ , \$ 94.4335 @ , \$ 73.9598 @ , \$  
80.1942 @ , \$ 91.8798 @ , \$ 92.2841 @ , \$ 11 @ , \$ 70.8684 @ , \$ 69.26 @ , \$ 68.2329 @ , \$ 62.4082 @ , \$ 68.5333 @ , \$ 68.0547 @ , \$ 69.8493 @ , \$ 69.8451  
@ , \$ 59.8463 @ , \$ 78.9918 @ , \$ 12 @ , \$ 137.654 @ , \$ 134.374 @ , \$ 138.446 @ , \$ 150.907 @ , \$ 130.362 @ , \$ 155.061 @ , \$ 135.921 @ , \$  
139.495 @ , \$ 141.882 @ , \$ 134.802 @ , \$ 13 @ , \$ 192.886 @ , \$ 191.956 @ , \$ 194.532 @ , \$ 186.448 @ , \$ 193.171 @ , \$ 206.627 @ , \$ 197.51 @ , \$ 194.188  
@ , \$ 197.394 @ , \$ 196.296 @ , \$ 14 @ , \$ 245.507 @ , \$ 250.927 @ , \$ 241.575 @ , \$ 239.951 @ , \$ 249.861 @ , \$ 243.393 @ , \$ 246.437 @ , \$  
248.413 @ , \$ 242.766 @ , \$ 247.603 @ , \$ 15 @ , \$ 10.6582 @ , \$ 7.40887 @ , \$ 4.33327 @ , \$ 0.0598286 @ , \$ 9.44233 @ , \$ 30.5015 @ , \$ -3.84253 @ , \$  
11.1571 @ , \$ 5.43225 @ , \$ 19.4495 @ , \$

BE21B038

Alpha = 0.0538438

post anova t-test pairs after sorting the sample means in descending order

3,6

12,14

1 @ , \$ 132.416 @ , \$ 136.911 @ , \$ 143.832 @ , \$ 138.34 @ , \$ 144.15 @ , \$ 142.884 @ , \$ 139.946 @ , \$ 144.284 @ ,  
\$ 145.49 @ , \$ 137.938 @ , \$ 2 @ , \$ 128.337 @ , \$ 127.984 @ , \$ 128.383 @ , \$ 129.008 @ , \$ 133.664 @ , \$ 148.828 @ , \$ 125.618 @ , \$ 131.385  
@ , \$ 135.961 @ , \$ 134.975 @ , \$ 3 @ , \$ 251.768 @ , \$ 249.564 @ , \$ 253.763 @ , \$ 251.639 @ , \$ 251.841 @ , \$ 253.487 @ , \$ 251.438 @ , \$ 250.464  
@ , \$ 251.854 @ , \$ 252.089 @ , \$ 4 @ , \$ 260.336 @ , \$ 257.536 @ , \$ 262.731 @ , \$ 261.582 @ , \$ 259.446 @ , \$ 261.974 @ , \$ 263.522 @ , \$ 259.731  
@ , \$ 256.663 @ , \$ 263.842 @ , \$ 5 @ , \$ 77.8164 @ , \$ 72.4982 @ , \$ 65.8006 @ , \$ 67.2564 @ , \$ 75.5779 @ , \$ 72.4283 @ , \$ 76.72 @ , \$ 68.561 @ ,  
\$ 75.9977 @ , \$ 68.0331 @ , \$ 6 @ , \$ 238.15 @ , \$ 230.377 @ , \$ 247.094 @ , \$ 223.881 @ , \$ 231.772 @ , \$ 239.88 @ , \$ 227.045 @ , \$ 241.186 @ ,  
\$ 235.882 @ , \$ 234.629 @ , \$ 7 @ , \$ 59.535 @ , \$ 59.6173 @ , \$ 56.6009 @ , \$ 59.5684 @ , \$ 58.4838 @ , \$ 73.7598 @ , \$ 64.2413 @ , \$ 61.7098  
@ , \$ 56.249 @ , \$ 59.5821 @ , \$ 8 @ , \$ 202.905 @ , \$ 214.75 @ , \$ 201.402 @ , \$ 201.011 @ , \$ 200.028 @ , \$ 225.732 @ , \$ 203.122 @ , \$ 205.705  
@ , \$ 200.292 @ , \$ 190.65 @ , \$ 9 @ , \$ 286.485 @ , \$ 281.592 @ , \$ 281.108 @ , \$ 271.131 @ , \$ 281.785 @ , \$ 283.895 @ , \$ 280.606 @ , \$ 280.486  
@ , \$ 268.15 @ , \$ 275.555 @ , \$ 10 @ , \$ 290.743 @ , \$ 288.245 @ , \$ 298.52 @ , \$ 294.518 @ , \$ 292.394 @ , \$ 294.937 @ , \$ 293.015 @ , \$ 291.166  
@ , \$ 287.922 @ , \$ 290.688 @ , \$ 11 @ , \$ 207.684 @ , \$ 214.683 @ , \$ 198.913 @ , \$ 216.91 @ , \$ 203.039 @ , \$ 224.899 @ , \$ 222.189 @ , \$ 200.995  
@ , \$ 190.087 @ , \$ 217.019 @ , \$ 12 @ , \$ 131.802 @ , \$ 99.1129 @ , \$ 109.472 @ , \$ 106.548 @ , \$ 111.706 @ , \$ 128.46 @ , \$ 104.657 @ , \$ 107.865

@ , \$ 117.391 @ , \$ 118.815 @ , \$  
13 @ , \$ 262.757 @ , \$ 261.233 @ , \$ 260.712 @ , \$ 257.615 @ , \$ 261.854 @ , \$ 260.625 @ , \$ 261.188 @ , \$  
261.188 @ , \$ 262.805 @ , \$ 256.849 @ , \$  
14 @ , \$ 38.9078 @ , \$ 34.3289 @ , \$ 47.6297 @ , \$ 31.4905 @ , \$ 41.7384 @ , \$ 35.6763 @ , \$ 39.7816 @ , \$  
49.2581 @ , \$ 52.3837 @ , \$ 54.3786 @ , \$  
15 @ , \$ 10.9223 @ , \$ 3.05099 @ , \$ 8.65173 @ , \$ -4.28185 @ , \$ -3.47595 @ , \$ 22.8958 @ , \$ 14.8592 @ , \$  
10.8252 @ , \$ 2.45194 @ , \$ 0.961606 @ , \$

#### BE21B039

Alpha = 0.0142564

post anova t-test pairs after sorting the sample means in descending order

3,7

9,14

1 @ , \$ 260.682 @ , \$ 257.212 @ , \$ 254.758 @ , \$ 252.586 @ , \$ 255.767 @ , \$ 275.105 @ , \$ 264.841 @ , \$ 252.434  
@ , \$ 259.299 @ , \$ 260.327 @ , \$  
2 @ , \$ 151.814 @ , \$ 159.237 @ , \$ 158.132 @ , \$ 148.154 @ , \$ 149.37 @ , \$ 164.359 @ , \$ 147.371 @ , \$ 155.762  
@ , \$ 152.314 @ , \$ 157.189 @ , \$  
3 @ , \$ 72.011 @ , \$ 47.0543 @ , \$ 74.1522 @ , \$ 69.945 @ , \$ 60.9377 @ , \$ 64.0624 @ , \$ 59.3684 @ , \$ 66.0823 @  
, \$ 66.7327 @ , \$ 59.4162 @ , \$  
4 @ , \$ 189.458 @ , \$ 189.749 @ , \$ 184.322 @ , \$ 184.278 @ , \$ 185.877 @ , \$ 205.605 @ , \$ 188.527 @ , \$ 188.472  
@ , \$ 186.501 @ , \$ 186.179 @ , \$  
5 @ , \$ 109.446 @ , \$ 100.92 @ , \$ 100.791 @ , \$ 99.9896 @ , \$ 104.899 @ , \$ 120.872 @ , \$ 103.242 @ , \$ 110.503  
@ , \$ 113.077 @ , \$ 106.871 @ , \$  
6 @ , \$ 78.8686 @ , \$ 85.2224 @ , \$ 59.6979 @ , \$ 59.9855 @ , \$ 62.1911 @ , \$ 111.109 @ , \$ 83.0562 @ , \$ 70.5361  
@ , \$ 56.4656 @ , \$ 57.9677 @ , \$  
7 @ , \$ 229.814 @ , \$ 240.046 @ , \$ 236.312 @ , \$ 230.696 @ , \$ 252.765 @ , \$ 231.14 @ , \$ 231.113 @ , \$ 241.019  
@ , \$ 248.316 @ , \$ 235.66 @ , \$  
8 @ , \$ 230.052 @ , \$ 224.984 @ , \$ 225.034 @ , \$ 227.966 @ , \$ 231.251 @ , \$ 256.804 @ , \$ 234.484 @ , \$ 232.407  
@ , \$ 228.388 @ , \$ 235.126 @ , \$  
9 @ , \$ 6.79498 @ , \$ 8.67765 @ , \$ 0.691698 @ , \$ 2.6145 @ , \$ -2.9319 @ , \$ 7.52985 @ , \$ -2.87328 @ , \$ 4.27512  
@ , \$ 15.4928 @ , \$ 3.14907 @ , \$  
10 @ , \$ 288.005 @ , \$ 288.158 @ , \$ 287.599 @ , \$ 288.643 @ , \$ 287.313 @ , \$ 318.028 @ , \$ 286.604 @ , \$ 287.57  
@ , \$ 287.634 @ , \$ 286.799 @ , \$  
11 @ , \$ 258.745 @ , \$ 260.686 @ , \$ 255.209 @ , \$ 257.501 @ , \$ 254.048 @ , \$ 275.213 @ , \$ 257.011 @ , \$  
263.757 @ , \$ 251.457 @ , \$ 258.862 @ , \$  
12 @ , \$ 161.193 @ , \$ 166.023 @ , \$ 162.263 @ , \$ 160.001 @ , \$ 188.417 @ , \$ 174.17 @ , \$ 164.082 @ , \$ 153.037  
@ , \$ 160.352 @ , \$ 168.344 @ , \$  
13 @ , \$ 140.665 @ , \$ 155.55 @ , \$ 166.809 @ , \$ 150.536 @ , \$ 156.251 @ , \$ 163.031 @ , \$ 163.745 @ , \$ 147.825  
@ , \$ 171.464 @ , \$ 132.953 @ , \$  
14 @ , \$ 214.44 @ , \$ 218.871 @ , \$ 217.648 @ , \$ 214.895 @ , \$ 214.272 @ , \$ 210.172 @ , \$ 213.062 @ , \$ 218.319  
@ , \$ 211.002 @ , \$ 216.777 @ , \$  
15 @ , \$ 56.4539 @ , \$ 53.6586 @ , \$ 59.1487 @ , \$ 54.2845 @ , \$ 58.0001 @ , \$ 54.0128 @ , \$ 58.0826 @ , \$  
57.6067 @ , \$ 65.6302 @ , \$ 55.3841 @ , \$

#### BE21B044

Alpha = 0.0288799

post anova t-test pairs after sorting the sample means in descending order

2,4

10,14

1 @ , \$ 70.3088 @ , \$ 56.5005 @ , \$ 55.434 @ , \$ 53.7719 @ , \$ 56.6833 @ , \$ 96.451 @ , \$ 60.6191 @ , \$ 43.3709 @  
, \$ 67.8355 @ , \$ 46.8737 @ , \$  
2 @ , \$ 155.613 @ , \$ 153.271 @ , \$ 149.326 @ , \$ 148.652 @ , \$ 153.209 @ , \$ 164.11 @ , \$ 139.899 @ , \$ 151.939

@ , \$ 155.396 @ , \$ 157.451 @ , \$  
3 @ , \$ 53.5014 @ , \$ 32.536 @ , \$ 21.4934 @ , \$ 57.5371 @ , \$ 26.758 @ , \$ 58.5375 @ , \$ 50.9715 @ , \$ 56.7196 @ , \$ 29.2887 @ , \$ 49.6467 @ , \$  
4 @ , \$ 302.711 @ , \$ 297.019 @ , \$ 288.701 @ , \$ 289.81 @ , \$ 293.493 @ , \$ 306.351 @ , \$ 290.287 @ , \$ 303.367 @ , \$ 296.142 @ , \$ 295.612 @ , \$  
5 @ , \$ 40.4442 @ , \$ 44.3284 @ , \$ 56.7395 @ , \$ 58.87 @ , \$ 52.2687 @ , \$ 45.9773 @ , \$ 44.0617 @ , \$ 46.3081 @ , \$ 42.829 @ , \$ 58.6109 @ , \$  
6 @ , \$ 150.013 @ , \$ 160.78 @ , \$ 150.185 @ , \$ 142.568 @ , \$ 145.397 @ , \$ 157.549 @ , \$ 138.834 @ , \$ 141.14 @ , \$ 165.01 @ , \$ 134.146 @ , \$  
7 @ , \$ 219.424 @ , \$ 226.022 @ , \$ 202.712 @ , \$ 214.173 @ , \$ 217.803 @ , \$ 215.156 @ , \$ 226.232 @ , \$ 221.316 @ , \$ 216.884 @ , \$ 214.982 @ , \$  
8 @ , \$ 102.259 @ , \$ 99.1806 @ , \$ 92.0028 @ , \$ 78.3878 @ , \$ 90.2535 @ , \$ 125.958 @ , \$ 93.2786 @ , \$ 90.2616 @ , \$ 91.4696 @ , \$ 95.7871 @ , \$  
9 @ , \$ 281.534 @ , \$ 270.039 @ , \$ 268.493 @ , \$ 280.082 @ , \$ 286.073 @ , \$ 309.711 @ , \$ 296.934 @ , \$ 279.824 @ , \$ 281.114 @ , \$ 277.922 @ , \$  
10 @ , \$ 179.164 @ , \$ 167.94 @ , \$ 172.642 @ , \$ 172.774 @ , \$ 168.342 @ , \$ 202.69 @ , \$ 179.428 @ , \$ 183.819 @ , \$ 175.378 @ , \$ 171.256 @ , \$  
11 @ , \$ 185.524 @ , \$ 184.449 @ , \$ 181.245 @ , \$ 188.644 @ , \$ 178.021 @ , \$ 179.217 @ , \$ 175.578 @ , \$ 183.169 @ , \$ 176.238 @ , \$ 175.705 @ , \$  
12 @ , \$ 183.327 @ , \$ 186.238 @ , \$ 171.509 @ , \$ 170.979 @ , \$ 193.683 @ , \$ 198.706 @ , \$ 170.147 @ , \$ 175.601 @ , \$ 170.678 @ , \$ 165.459 @ , \$  
13 @ , \$ 62.1777 @ , \$ 54.6856 @ , \$ 66.3353 @ , \$ 63.9244 @ , \$ 58.1161 @ , \$ 77.4818 @ , \$ 59.4162 @ , \$ 56.9252 @ , \$ 51.7418 @ , \$ 50.4225 @ , \$  
14 @ , \$ 30.7669 @ , \$ 16.771 @ , \$ 26.4638 @ , \$ 23.9881 @ , \$ 27.4789 @ , \$ 44.7722 @ , \$ 24.6287 @ , \$ 18.3004 @ , \$ 15.7735 @ , \$ 14.9654 @ , \$  
15 @ , \$ 82.1772 @ , \$ 75.051 @ , \$ 76.737 @ , \$ 68.3816 @ , \$ 77.1338 @ , \$ 102.117 @ , \$ 80.6845 @ , \$ 73.2896 @ , \$ 79.1713 @ , \$ 71.6041 @ , \$

BS21B001

Alpha = 0.0853107

post anova t-test pairs after sorting the sample means in descending order

3,5

11,13

1 @ , \$ 205.284 @ , \$ 217.193 @ , \$ 209.895 @ , \$ 208.213 @ , \$ 216.178 @ , \$ 239.43 @ , \$ 218.831 @ , \$ 214.145 @ , \$ 213.843 @ , \$ 210.158 @ , \$  
2 @ , \$ 195.629 @ , \$ 194.932 @ , \$ 180.554 @ , \$ 198.58 @ , \$ 194.67 @ , \$ 200.241 @ , \$ 193.394 @ , \$ 192.65 @ , \$ 195.001 @ , \$ 212.872 @ , \$  
3 @ , \$ 12.8242 @ , \$ 22.0405 @ , \$ 17.0906 @ , \$ 26.7001 @ , \$ 19.5942 @ , \$ 29.0095 @ , \$ 15.0085 @ , \$ 12.1778 @ , \$ 18.0049 @ , \$ 19.5977 @ , \$  
4 @ , \$ 108.887 @ , \$ 110.362 @ , \$ 104.661 @ , \$ 104.354 @ , \$ 116.172 @ , \$ 119.739 @ , \$ 115.155 @ , \$ 108.108 @ , \$ 110.334 @ , \$ 106.308 @ , \$  
5 @ , \$ 106.474 @ , \$ 107.566 @ , \$ 114.475 @ , \$ 108.654 @ , \$ 111.115 @ , \$ 123.141 @ , \$ 106.696 @ , \$ 105.451 @ , \$ 112.159 @ , \$ 98.2802 @ , \$  
6 @ , \$ 213.073 @ , \$ 215.24 @ , \$ 209.318 @ , \$ 212.271 @ , \$ 223.874 @ , \$ 218.011 @ , \$ 216.68 @ , \$ 207.862 @ , \$ 218.733 @ , \$ 203.578 @ , \$  
7 @ , \$ 62.0713 @ , \$ 73.7296 @ , \$ 79.6834 @ , \$ 71.5742 @ , \$ 66.7009 @ , \$ 79.6044 @ , \$ 72.7836 @ , \$ 77.5198 @ , \$ 63.3713 @ , \$ 74.9117 @ , \$  
8 @ , \$ 103.038 @ , \$ 99.2699 @ , \$ 92.5032 @ , \$ 105.321 @ , \$ 98.4678 @ , \$ 106.775 @ , \$ 89.3491 @ , \$ 76.4388 @ , \$ 90.6176 @ , \$ 91.6315 @ , \$  
9 @ , \$ 190.745 @ , \$ 175.523 @ , \$ 174.242 @ , \$ 182.494 @ , \$ 178.054 @ , \$ 190.492 @ , \$ 180.713 @ , \$ 166.431 @ , \$ 176.081 @ , \$ 192.004 @ , \$  
10 @ , \$ 58.8582 @ , \$ 57.9717 @ , \$ 48.5448 @ , \$ 62.7525 @ , \$ 58.4587 @ , \$ 77.1655 @ , \$ 55.5514 @ , \$ 53.1016 @ , \$ 55.2679 @ , \$ 53.2991 @ , \$

11 @ , \$ 62.8884 @ , \$ 62.3321 @ , \$ 61.4648 @ , \$ 63.0677 @ , \$ 64.494 @ , \$ 86.4669 @ , \$ 66.8611 @ , \$ 72.8033 @ , \$ 54.3757 @ , \$ 67.11 @ , \$ 12 @ , \$ 208.258 @ , \$ 209.27 @ , \$ 213.28 @ , \$ 215.572 @ , \$ 217.64 @ , \$ 207.14 @ , \$ 216.016 @ , \$ 207.055 @ , \$ 217.962 @ , \$ 214.077 @ , \$ 13 @ , \$ 127.384 @ , \$ 128.384 @ , \$ 134.343 @ , \$ 120.517 @ , \$ 130.171 @ , \$ 143.16 @ , \$ 131.107 @ , \$ 132.025 @ , \$ 128.408 @ , \$ 136.219 @ , \$ 14 @ , \$ 270.324 @ , \$ 287.546 @ , \$ 294.848 @ , \$ 266.248 @ , \$ 294.645 @ , \$ 312.949 @ , \$ 293.457 @ , \$ 281.01 @ , \$ 291.855 @ , \$ 282.671 @ , \$ 15 @ , \$ 243.961 @ , \$ 233.434 @ , \$ 233.244 @ , \$ 240.134 @ , \$ 238.93 @ , \$ 256.797 @ , \$ 232.22 @ , \$ 245.121 @ , \$ 242.322 @ , \$ 243.91 @ , \$

#### BS21B003

Alpha = 0.050001

post anova t-test pairs after sorting the sample means in descending order

3,7

11,14

1 @ , \$ 174.009 @ , \$ 155.825 @ , \$ 174.686 @ , \$ 166.549 @ , \$ 168.92 @ , \$ 186.846 @ , \$ 158.615 @ , \$ 175.016 @ , \$ 171.148 @ , \$ 179.629 @ , \$ 2 @ , \$ 133.422 @ , \$ 129.854 @ , \$ 139.61 @ , \$ 140.167 @ , \$ 130.197 @ , \$ 134.494 @ , \$ 129.983 @ , \$ 120.238 @ , \$ 136.972 @ , \$ 134.019 @ , \$ 3 @ , \$ 64.5439 @ , \$ 70.3729 @ , \$ 57.603 @ , \$ 66.4662 @ , \$ 73.167 @ , \$ 85.4251 @ , \$ 65.5914 @ , \$ 64.7811 @ , \$ 64.3067 @ , \$ 66.5323 @ , \$ 4 @ , \$ 60.7923 @ , \$ 62.8671 @ , \$ 51.2305 @ , \$ 73.4889 @ , \$ 69.8115 @ , \$ 69.031 @ , \$ 54.1007 @ , \$ 64.1162 @ , \$ 61.1508 @ , \$ 59.4476 @ , \$ 5 @ , \$ 83.9352 @ , \$ 81.0657 @ , \$ 82.6871 @ , \$ 78.7855 @ , \$ 76.3272 @ , \$ 81.0992 @ , \$ 77.3665 @ , \$ 74.3612 @ , \$ 77.1393 @ , \$ 89.2364 @ , \$ 6 @ , \$ 95.7245 @ , \$ 93.9684 @ , \$ 80.6377 @ , \$ 101.729 @ , \$ 89.1048 @ , \$ 97.5461 @ , \$ 85.4523 @ , \$ 96.3053 @ , \$ 91.2658 @ , \$ 86.6844 @ , \$ 7 @ , \$ 243.879 @ , \$ 234.48 @ , \$ 251.948 @ , \$ 241.795 @ , \$ 251.563 @ , \$ 261.814 @ , \$ 248.642 @ , \$ 253.96 @ , \$ 247.96 @ , \$ 241.552 @ , \$ 8 @ , \$ 270.857 @ , \$ 272.287 @ , \$ 261.531 @ , \$ 266.986 @ , \$ 267.833 @ , \$ 255.894 @ , \$ 262.532 @ , \$ 271.501 @ , \$ 271.357 @ , \$ 266.593 @ , \$ 9 @ , \$ 208.194 @ , \$ 207.496 @ , \$ 202.059 @ , \$ 207.663 @ , \$ 201.418 @ , \$ 208.116 @ , \$ 205.105 @ , \$ 203.855 @ , \$ 210.151 @ , \$ 205.071 @ , \$ 10 @ , \$ 65.4486 @ , \$ 77.8712 @ , \$ 82.9634 @ , \$ 82.0867 @ , \$ 84.5962 @ , \$ 59.9151 @ , \$ 75.4115 @ , \$ 72.6586 @ , \$ 65.2188 @ , \$ 93.9844 @ , \$ 11 @ , \$ 111.778 @ , \$ 111.312 @ , \$ 91.8394 @ , \$ 102.313 @ , \$ 99.3356 @ , \$ 101.318 @ , \$ 97.0243 @ , \$ 96.0881 @ , \$ 103.447 @ , \$ 92.8594 @ , \$ 12 @ , \$ 200.365 @ , \$ 206.485 @ , \$ 208.642 @ , \$ 192.15 @ , \$ 202.281 @ , \$ 217.547 @ , \$ 201.973 @ , \$ 214.127 @ , \$ 220.315 @ , \$ 195.919 @ , \$ 13 @ , \$ 146.436 @ , \$ 125.914 @ , \$ 145.72 @ , \$ 145.768 @ , \$ 143.581 @ , \$ 162.963 @ , \$ 148.309 @ , \$ 144.069 @ , \$ 121.179 @ , \$ 147.699 @ , \$ 14 @ , \$ 44.0131 @ , \$ 39.8197 @ , \$ 41.3761 @ , \$ 51.9081 @ , \$ 52.7971 @ , \$ 56.6392 @ , \$ 54.6175 @ , \$ 58.6898 @ , \$ 45.8517 @ , \$ 51.7741 @ , \$ 15 @ , \$ 155.987 @ , \$ 165.403 @ , \$ 157.311 @ , \$ 161.256 @ , \$ 165.893 @ , \$ 177.296 @ , \$ 167.161 @ , \$ 159.379 @ , \$ 167.326 @ , \$ 165.672 @ , \$

#### BS21B004

Alpha = 0.0459257

post anova t-test pairs after sorting the sample means in descending order

2,7

11,15

1 @ , \$ 192.094 @ , \$ 181.912 @ , \$ 196.698 @ , \$ 184.805 @ , \$ 183.542 @ , \$ 198.292 @ , \$ 164.996 @ , \$ 164.098 @ , \$ 195.45 @ , \$ 196.398 @ , \$ 93.2053 @ , \$ 106.85 @ , \$ 111.448 @ , \$ 92.8742 @ , \$ 117.152 @ , \$ 104.893 @ , \$ 100.813 @ , \$ 101.475 @ , \$ 102.778 @ , \$ 104.191 @ , \$ 3 @ , \$ 233.882 @ , \$ 220.102 @ , \$ 245.537 @ , \$ 225.926 @ , \$ 239.972 @ , \$ 235.668 @ , \$ 231.973 @ , \$ 229.196 @ , \$ 232.886 @ , \$ 225.306 @ , \$ 4 @ , \$ 76.7359 @ , \$ 64.9042 @ , \$ 71.4332 @ , \$ 67.8765 @ , \$ 65.9159 @ , \$ 64.559 @ , \$ 66.7839 @ , \$ 69.1881 @ , \$ 68.0973 @ , \$ 67.6261 @ , \$ 5 @ , \$ 210.587 @ , \$ 212.37 @ , \$ 222.191 @ , \$ 220.251 @ , \$ 213.763 @ , \$ 217.086 @ , \$ 192.639 @ , \$ 205.71 @ , \$ 210.845 @ , \$ 214.951 @ , \$ 6 @ , \$ 76.0173 @ , \$ 88.5733 @ , \$ 71.0736 @ , \$ 95.6763 @ , \$ 65.2251 @ , \$ 78.3027 @ , \$ 75.9198 @ , \$ 87.6172 @ , \$ 75.2095 @ , \$ 87.9822 @ , \$ 7 @ , \$ 5.35443 @ , \$ 4.44351 @ , \$ 4.93924 @ , \$ 2.00788 @ , \$ 3.69985 @ , \$ 12.5677 @ , \$ 0.913054 @ , \$ 3.85228 @ , \$ 2.92868 @ , \$ 4.27679 @ , \$ 8 @ , \$ 284.57 @ , \$ 281.23 @ , \$ 286.016 @ , \$ 285.228 @ , \$ 283.523 @ , \$ 292.607 @ , \$ 284.455 @ , \$ 284.157 @ , \$ 285.142 @ , \$ 279.91 @ , \$ 9 @ , \$ 192.411 @ , \$ 207.152 @ , \$ 217.524 @ , \$ 235.936 @ , \$ 226.732 @ , \$ 234.245 @ , \$ 201.567 @ , \$ 221.673 @ , \$ 208.253 @ , \$ 211.46 @ , \$ 10 @ , \$ 312.092 @ , \$ 289.069 @ , \$ 284.74 @ , \$ 286.705 @ , \$ 288.944 @ , \$ 317.707 @ , \$ 266.509 @ , \$ 279.529 @ , \$ 281.36 @ , \$ 293.332 @ , \$ 11 @ , \$ 229.941 @ , \$ 223.379 @ , \$ 223.677 @ , \$ 225.903 @ , \$ 210.182 @ , \$ 228.044 @ , \$ 232.54 @ , \$ 232.544 @ , \$ 228.326 @ , \$ 223.814 @ , \$ 12 @ , \$ 189.236 @ , \$ 192.198 @ , \$ 200.224 @ , \$ 211.953 @ , \$ 195.883 @ , \$ 226.333 @ , \$ 219.105 @ , \$ 195.086 @ , \$ 194.175 @ , \$ 200.777 @ , \$ 13 @ , \$ 121.426 @ , \$ 121.334 @ , \$ 124.656 @ , \$ 121.526 @ , \$ 118.423 @ , \$ 153.393 @ , \$ 126.732 @ , \$ 112.991 @ , \$ 129.668 @ , \$ 118.182 @ , \$ 14 @ , \$ 139.03 @ , \$ 140.177 @ , \$ 156.827 @ , \$ 136.596 @ , \$ 142.503 @ , \$ 141.41 @ , \$ 156.271 @ , \$ 138.522 @ , \$ 132.172 @ , \$ 153.668 @ , \$ 15 @ , \$ 123.507 @ , \$ 94.5989 @ , \$ 110.448 @ , \$ 94.4082 @ , \$ 113.421 @ , \$ 100.549 @ , \$ 95.8817 @ , \$ 112.938 @ , \$ 78.095 @ , \$ 99.272 @ , \$

BS21B005

Alpha = 0.044055

post anova t-test pairs after sorting the sample means in descending order

1,7

11,13

1 @ , \$ 98.077 @ , \$ 82.4435 @ , \$ 93.0238 @ , \$ 87.2127 @ , \$ 90.8432 @ , \$ 90.969 @ , \$ 89.2045 @ , \$ 97.394 @ , \$ 89.0052 @ , \$ 89.5368 @ , \$ 2 @ , \$ 39.8455 @ , \$ 35.3199 @ , \$ 42.6459 @ , \$ 37.3842 @ , \$ 33.3237 @ , \$ 52.5929 @ , \$ 32.3522 @ , \$ 33.6552 @ , \$ 28.9102 @ , \$ 36.8071 @ , \$ 3 @ , \$ 80.9849 @ , \$ 75.1144 @ , \$ 78.3784 @ , \$ 85.6256 @ , \$ 80.9126 @ , \$ 93.3532 @ , \$ 72.2439 @ , \$ 80.7107 @ , \$ 76.5751 @ , \$ 72.2624 @ , \$ 4 @ , \$ 168.92 @ , \$ 169.747 @ , \$ 165.662 @ , \$ 158.02 @ , \$ 173.474 @ , \$ 184.853 @ , \$ 166.248 @ , \$ 169.295 @ , \$ 158.093 @ , \$ 171.798 @ , \$ 5 @ , \$ 164.481 @ , \$ 149.881 @ , \$ 162.719 @ , \$ 155.945 @ , \$ 165.865 @ , \$ 142.868 @ , \$ 157.525 @ , \$ 159.296 @ , \$ 165.098 @ , \$ 147.181 @ , \$ 6 @ , \$ 236.91 @ , \$ 255.601 @ , \$ 262.307 @ , \$ 260.331 @ , \$ 249.87 @ , \$ 262.649 @ , \$ 247.566 @ , \$ 248.107 @ , \$ 250.902 @ , \$ 250.768 @ , \$ 7 @ , \$ 245.514 @ , \$ 242.896 @ , \$ 251.325 @ , \$ 241.056 @ , \$ 240.227 @ , \$ 267 @ , \$ 266.355 @ , \$ 238.129 @ , \$ 242.902 @ , \$ 245.258 @ , \$ 8 @ , \$ 152.671 @ , \$ 143.12 @ , \$ 137.25 @ , \$ 140.71 @ , \$ 137.293 @ , \$ 161.469 @ , \$ 135.073 @ , \$ 151.99 @ , \$ 138.772 @ , \$ 142.899 @ , \$ 9 @ , \$ 131.58 @ , \$ 129.909 @ , \$ 132.811 @ , \$ 130.041 @ , \$ 129.842 @ , \$ 125.834 @ , \$ 130.121 @ , \$ 130.488

@, \$ 130.855 @, \$ 130.779 @, \$  
10 @, \$ 202.888 @, \$ 189.904 @, \$ 188.054 @, \$ 206.94 @, \$ 208.873 @, \$ 232.091 @, \$ 205.776 @, \$ 200.303  
@, \$ 200.431 @, \$ 205.673 @, \$  
11 @, \$ 168.252 @, \$ 182.176 @, \$ 173.998 @, \$ 169.097 @, \$ 163.729 @, \$ 192.309 @, \$ 179.462 @, \$  
158.146 @, \$ 175.006 @, \$ 193.887 @, \$  
12 @, \$ 282.34 @, \$ 280.934 @, \$ 280.732 @, \$ 283.777 @, \$ 281.87 @, \$ 275.331 @, \$ 280.553 @, \$ 280.456  
@, \$ 279.082 @, \$ 283.166 @, \$  
13 @, \$ 248.948 @, \$ 222.446 @, \$ 246.047 @, \$ 254.625 @, \$ 271.009 @, \$ 256.498 @, \$ 245.126 @, \$  
222.422 @, \$ 243.045 @, \$ 268.922 @, \$  
14 @, \$ 206.71 @, \$ 173.515 @, \$ 190.632 @, \$ 191.205 @, \$ 179.766 @, \$ 185.376 @, \$ 188.027 @, \$ 165.302  
@, \$ 177.921 @, \$ 186.775 @, \$  
15 @, \$ 60.9945 @, \$ 60.2481 @, \$ 60.2426 @, \$ 61.2896 @, \$ 60.3642 @, \$ 68.9606 @, \$ 60.3565 @, \$  
60.5369 @, \$ 60.5988 @, \$ 61.5059 @, \$

BS21B006

Alpha = 0.0865512

post anova t-test pairs after sorting the sample means in descending order

1,6

11,14

1 @, \$ 138.289 @, \$ 141.519 @, \$ 122.278 @, \$ 136.121 @, \$ 132.128 @, \$ 137.788 @, \$ 127.846 @, \$ 125.688  
@, \$ 135.34 @, \$ 137.908 @, \$  
2 @, \$ 102.758 @, \$ 79.3271 @, \$ 93.7064 @, \$ 98.5721 @, \$ 94.983 @, \$ 97.9328 @, \$ 96.156 @, \$ 95.5336 @,  
\$ 100.524 @, \$ 96.4795 @, \$  
3 @, \$ 155.293 @, \$ 163.659 @, \$ 164.584 @, \$ 147.266 @, \$ 160.444 @, \$ 160.245 @, \$ 166.079 @, \$ 156.689  
@, \$ 167.721 @, \$ 154.839 @, \$  
4 @, \$ 123.179 @, \$ 142.103 @, \$ 137.716 @, \$ 135.372 @, \$ 119.984 @, \$ 149.27 @, \$ 110.202 @, \$ 127.876  
@, \$ 152.736 @, \$ 147.646 @, \$  
5 @, \$ 126 @, \$ 129.036 @, \$ 128.054 @, \$ 132.076 @, \$ 123.184 @, \$ 133.325 @, \$ 124.517 @, \$ 124.445 @,  
\$ 131.169 @, \$ 131.748 @, \$  
6 @, \$ 246.762 @, \$ 254.117 @, \$ 254.046 @, \$ 258.664 @, \$ 249.606 @, \$ 240.922 @, \$ 257.171 @, \$ 250.776  
@, \$ 252.305 @, \$ 256.312 @, \$  
7 @, \$ 286.979 @, \$ 297.135 @, \$ 294.359 @, \$ 291.516 @, \$ 289.646 @, \$ 298.617 @, \$ 297.678 @, \$ 297.843  
@, \$ 295.733 @, \$ 294.056 @, \$  
8 @, \$ 26.4 @, \$ 33.5717 @, \$ -4.93925 @, \$ 25.0267 @, \$ 15.9223 @, \$ 12.7261 @, \$ 1.68438 @, \$ -8.3794 @,  
\$ 13.4089 @, \$ 19.4021 @, \$  
9 @, \$ 257.528 @, \$ 235.324 @, \$ 248.542 @, \$ 253.295 @, \$ 255.954 @, \$ 269.712 @, \$ 239.358 @, \$ 234.513  
@, \$ 245.726 @, \$ 231.415 @, \$  
10 @, \$ 73.6162 @, \$ 73.6682 @, \$ 68.5517 @, \$ 77.2686 @, \$ 75.3446 @, \$ 101.509 @, \$ 76.1378 @, \$  
73.1667 @, \$ 68.0788 @, \$ 68.5043 @, \$  
11 @, \$ 138.065 @, \$ 153.94 @, \$ 167.416 @, \$ 162.039 @, \$ 170.303 @, \$ 181.834 @, \$ 158.148 @, \$ 161.093  
@, \$ 149.429 @, \$ 143.879 @, \$  
12 @, \$ 53.9037 @, \$ 56.2297 @, \$ 40.9291 @, \$ 52.127 @, \$ 50.7143 @, \$ 68.6851 @, \$ 58.1432 @, \$ 51.5168  
@, \$ 45.0578 @, \$ 42.0434 @, \$  
13 @, \$ 240.448 @, \$ 241.736 @, \$ 239.314 @, \$ 243.058 @, \$ 242.627 @, \$ 254.864 @, \$ 241.626 @, \$ 240.61  
@, \$ 240.535 @, \$ 240.432 @, \$  
14 @, \$ 82.3878 @, \$ 82.2697 @, \$ 88.9211 @, \$ 81.9048 @, \$ 84.3805 @, \$ 89.5595 @, \$ 81.846 @, \$ 85.0045  
@, \$ 81.5409 @, \$ 88.2698 @, \$  
15 @, \$ 212.851 @, \$ 213.584 @, \$ 216.511 @, \$ 219.597 @, \$ 213.124 @, \$ 205.48 @, \$ 218.786 @, \$ 213.127  
@, \$ 224.213 @, \$ 211.145 @, \$

BS21B007

Alpha = 0.0466282

post anova t-test pairs after sorting the sample means in descending order

3,4

10,13

1 @ , \$ 127.984 @ , \$ 135.274 @ , \$ 137.882 @ , \$ 110.429 @ , \$ 121.471 @ , \$ 116.266 @ , \$ 128.355 @ , \$ 121.437 @ , \$ 121.829 @ , \$ 113.047 @ , \$ 2 @ , \$ 197.602 @ , \$ 194.043 @ , \$ 193.353 @ , \$ 196.165 @ , \$ 190.353 @ , \$ 208.667 @ , \$ 193.196 @ , \$ 194.774 @ , \$ 193.773 @ , \$ 192.365 @ , \$ 3 @ , \$ 68.201 @ , \$ 52.5319 @ , \$ 60.3678 @ , \$ 57.1995 @ , \$ 60.6196 @ , \$ 75.805 @ , \$ 62.6701 @ , \$ 64.2097 @ , \$ 66.2715 @ , \$ 62.5456 @ , \$ 4 @ , \$ 191.25 @ , \$ 178.705 @ , \$ 186.292 @ , \$ 188.346 @ , \$ 190.852 @ , \$ 197.986 @ , \$ 193.998 @ , \$ 197.15 @ , \$ 191.786 @ , \$ 183.559 @ , \$ 5 @ , \$ 263.188 @ , \$ 257.948 @ , \$ 257.491 @ , \$ 244.002 @ , \$ 258.113 @ , \$ 290.837 @ , \$ 256.558 @ , \$ 256.071 @ , \$ 253.284 @ , \$ 257.854 @ , \$ 6 @ , \$ 110.731 @ , \$ 100.086 @ , \$ 105.777 @ , \$ 101.576 @ , \$ 110.226 @ , \$ 118.721 @ , \$ 123.526 @ , \$ 114.05 @ , \$ 119.87 @ , \$ 108.987 @ , \$ 7 @ , \$ 176.245 @ , \$ 166.471 @ , \$ 155.226 @ , \$ 158.827 @ , \$ 166.049 @ , \$ 169.081 @ , \$ 159.656 @ , \$ 166.064 @ , \$ 146.477 @ , \$ 159.368 @ , \$ 8 @ , \$ 111.021 @ , \$ 120.282 @ , \$ 114.656 @ , \$ 110.693 @ , \$ 109.696 @ , \$ 137.169 @ , \$ 120.375 @ , \$ 104.577 @ , \$ 125.219 @ , \$ 113.108 @ , \$ 9 @ , \$ 42.6768 @ , \$ 36.4494 @ , \$ 42.595 @ , \$ 37.3596 @ , \$ 34.3074 @ , \$ 35.5991 @ , \$ 44.6109 @ , \$ 34.9477 @ , \$ 40.0929 @ , \$ 43.8982 @ , \$ 10 @ , \$ 109.219 @ , \$ 114.734 @ , \$ 112.26 @ , \$ 108.881 @ , \$ 109.795 @ , \$ 121.625 @ , \$ 106.713 @ , \$ 110.251 @ , \$ 110.623 @ , \$ 107.262 @ , \$ 11 @ , \$ 12.4041 @ , \$ 4.56621 @ , \$ 7.18862 @ , \$ 16.8864 @ , \$ 2.30275 @ , \$ 34.0701 @ , \$ 9.76157 @ , \$ 3.34045 @ , \$ 1.71423 @ , \$ 1.80092 @ , \$ 12 @ , \$ 83.7242 @ , \$ 89.3426 @ , \$ 76.7934 @ , \$ 88.5599 @ , \$ 90.2205 @ , \$ 105.652 @ , \$ 79.043 @ , \$ 93.0501 @ , \$ 95.781 @ , \$ 87.3706 @ , \$ 13 @ , \$ 231.168 @ , \$ 247.753 @ , \$ 258.314 @ , \$ 238.898 @ , \$ 254.831 @ , \$ 254.654 @ , \$ 240.38 @ , \$ 247.027 @ , \$ 251.154 @ , \$ 246.075 @ , \$ 14 @ , \$ 112.074 @ , \$ 118.371 @ , \$ 110.096 @ , \$ 132.79 @ , \$ 126.877 @ , \$ 136.304 @ , \$ 107.234 @ , \$ 105.207 @ , \$ 102.953 @ , \$ 128.236 @ , \$ 15 @ , \$ 188.727 @ , \$ 188.512 @ , \$ 188.027 @ , \$ 191.562 @ , \$ 170.781 @ , \$ 206.728 @ , \$ 177.361 @ , \$ 183.988 @ , \$ 198.377 @ , \$ 180.33 @ , \$

BS21B008

Alpha = 0.0795945

post anova t-test pairs after sorting the sample means in descending order

3,4

12,13

1 @ , \$ 241.781 @ , \$ 239.93 @ , \$ 237.885 @ , \$ 238.864 @ , \$ 240.531 @ , \$ 253.207 @ , \$ 236.778 @ , \$ 239.678 @ , \$ 238.077 @ , \$ 243.501 @ , \$ 2 @ , \$ 279.316 @ , \$ 278.655 @ , \$ 277.018 @ , \$ 278.17 @ , \$ 281.828 @ , \$ 288.918 @ , \$ 277.698 @ , \$ 276.976 @ , \$ 278.164 @ , \$ 275.521 @ , \$ 3 @ , \$ 283.684 @ , \$ 278.787 @ , \$ 288.263 @ , \$ 273.555 @ , \$ 270.692 @ , \$ 284.361 @ , \$ 281.431 @ , \$ 280.408 @ , \$ 282.299 @ , \$ 270.726 @ , \$ 4 @ , \$ 231.025 @ , \$ 258.364 @ , \$ 238.388 @ , \$ 248.801 @ , \$ 267.879 @ , \$ 225.604 @ , \$ 261.63 @ , \$ 240.446 @ , \$ 242.425 @ , \$ 239.008 @ , \$ 5 @ , \$ 115.236 @ , \$ 115.76 @ , \$ 97.9786 @ , \$ 97.735 @ , \$ 106.633 @ , \$ 95.5564 @ , \$ 106.312 @ , \$ 98.6418 @ , \$ 96.0876 @ , \$ 96.3624 @ , \$ 6 @ , \$ 112.095 @ , \$ 120.411 @ , \$ 113.95 @ , \$ 95.8674 @ , \$ 88.8632 @ , \$ 137.237 @ , \$ 121.326 @ , \$ 104.271 @ , \$ 114.82 @ , \$ 119.201 @ , \$ 7 @ , \$ 246.312 @ , \$ 251.584 @ , \$ 248.047 @ , \$ 247.274 @ , \$ 251.727 @ , \$ 263.49 @ , \$ 246.93 @ , \$ 251.736 @ , \$ 257.693 @ , \$ 248.088 @ , \$

8 @, \$ 33.882 @, \$ 46.6883 @, \$ 32.1867 @, \$ 34.2618 @, \$ 41.636 @, \$ 42.0246 @, \$ 28.3143 @, \$ 32.4791 @, \$ 32.2207 @, \$ 28.3655 @, \$ 9 @, \$ 166.641 @, \$ 185.447 @, \$ 176.621 @, \$ 173.609 @, \$ 161.675 @, \$ 186.072 @, \$ 180.288 @, \$ 179.531 @, \$ 160.844 @, \$ 184.533 @, \$ 10 @, \$ 96.1588 @, \$ 89.871 @, \$ 96.5999 @, \$ 95.495 @, \$ 102.856 @, \$ 116.991 @, \$ 102.342 @, \$ 92.9133 @, \$ 100.053 @, \$ 96.6986 @, \$ 11 @, \$ 25.1279 @, \$ 32.1626 @, \$ 29.542 @, \$ 14.621 @, \$ 36.8843 @, \$ 33.3341 @, \$ 33.9784 @, \$ 32.5307 @, \$ 14.2297 @, \$ 28.7039 @, \$ 12 @, \$ 58.5724 @, \$ 58.1576 @, \$ 57.9863 @, \$ 61.5363 @, \$ 59.9175 @, \$ 105.212 @, \$ 60.3393 @, \$ 67.3478 @, \$ 70.0128 @, \$ 62.3774 @, \$ 13 @, \$ 253.824 @, \$ 247.026 @, \$ 230.518 @, \$ 245.29 @, \$ 252.858 @, \$ 251.502 @, \$ 242.465 @, \$ 242.311 @, \$ 245.059 @, \$ 243.588 @, \$ 14 @, \$ 209.529 @, \$ 211.192 @, \$ 212.877 @, \$ 211.414 @, \$ 215.451 @, \$ 235.786 @, \$ 212.351 @, \$ 216.305 @, \$ 209.512 @, \$ 214.431 @, \$ 15 @, \$ 271.196 @, \$ 283.882 @, \$ 262.712 @, \$ 278.199 @, \$ 268.337 @, \$ 281.206 @, \$ 282.285 @, \$ 275.881 @, \$ 281.317 @, \$ 292.12 @, \$

BS21B009

Alpha = 0.0123611

post anova t-test pairs after sorting the sample means in descending order

1,7

9,13

1 @, \$ 283.399 @, \$ 286.973 @, \$ 286.777 @, \$ 296.351 @, \$ 271.493 @, \$ 273.55 @, \$ 294.684 @, \$ 268.586 @, \$ 277.921 @, \$ 292.03 @, \$ 2 @, \$ 273.351 @, \$ 268.88 @, \$ 272.303 @, \$ 273.066 @, \$ 268.486 @, \$ 272.104 @, \$ 263.024 @, \$ 270.156 @, \$ 273.524 @, \$ 260.787 @, \$ 3 @, \$ 148.219 @, \$ 155.467 @, \$ 153.417 @, \$ 149.561 @, \$ 145.157 @, \$ 171.194 @, \$ 142.491 @, \$ 148.762 @, \$ 142.381 @, \$ 156.22 @, \$ 4 @, \$ 223.032 @, \$ 223.713 @, \$ 218.023 @, \$ 226.595 @, \$ 217.29 @, \$ 229.331 @, \$ 227.017 @, \$ 237.017 @, \$ 216.968 @, \$ 238.447 @, \$ 5 @, \$ 239.601 @, \$ 235.31 @, \$ 238.01 @, \$ 230.102 @, \$ 234.762 @, \$ 235.279 @, \$ 236.445 @, \$ 233.294 @, \$ 234.83 @, \$ 234.082 @, \$ 6 @, \$ 166.185 @, \$ 165.539 @, \$ 168.538 @, \$ 168.235 @, \$ 168.086 @, \$ 180.968 @, \$ 167.114 @, \$ 169.204 @, \$ 166.142 @, \$ 167.844 @, \$ 7 @, \$ 173.51 @, \$ 168.182 @, \$ 161.71 @, \$ 165.187 @, \$ 174.674 @, \$ 195.589 @, \$ 172.681 @, \$ 170.377 @, \$ 176.772 @, \$ 168.293 @, \$ 8 @, \$ 26.6043 @, \$ 23.9443 @, \$ 26.3366 @, \$ 22.7435 @, \$ 26.4431 @, \$ 36.9358 @, \$ 27.3553 @, \$ 27.727 @, \$ 27.3084 @, \$ 27.0407 @, \$ 9 @, \$ 240.034 @, \$ 232.316 @, \$ 243.474 @, \$ 243.333 @, \$ 245.905 @, \$ 246.903 @, \$ 210.658 @, \$ 245.788 @, \$ 218.22 @, \$ 255.375 @, \$ 10 @, \$ 113.395 @, \$ 114.304 @, \$ 108.164 @, \$ 106.384 @, \$ 103.118 @, \$ 118.781 @, \$ 92.7286 @, \$ 103.52 @, \$ 108.172 @, \$ 103.862 @, \$ 11 @, \$ 62.9609 @, \$ 59.9997 @, \$ 76.4306 @, \$ 70.233 @, \$ 65.5745 @, \$ 68.2747 @, \$ 67.6631 @, \$ 64.8607 @, \$ 61.2484 @, \$ 48.0308 @, \$ 12 @, \$ 228.108 @, \$ 242.959 @, \$ 241.086 @, \$ 249.414 @, \$ 228.479 @, \$ 240.681 @, \$ 225.057 @, \$ 243.786 @, \$ 231.108 @, \$ 235.109 @, \$ 13 @, \$ 209.686 @, \$ 195.325 @, \$ 204.962 @, \$ 225.757 @, \$ 187.81 @, \$ 213.884 @, \$ 212.896 @, \$ 199.417 @, \$ 198.429 @, \$ 217.086 @, \$ 14 @, \$ 249.232 @, \$ 229.892 @, \$ 266.881 @, \$ 267.958 @, \$ 257.955 @, \$ 257.005 @, \$ 251.933 @, \$ 276.337 @, \$ 254.883 @, \$ 243.704 @, \$ 15 @, \$ 289.943 @, \$ 292.987 @, \$ 289.484 @, \$ 298.368 @, \$ 292.122 @, \$ 285.568 @, \$ 295.596 @, \$ 288.547 @, \$ 296.064 @, \$ 296.651 @, \$

BS21B010

Alpha = 0.0509282

post anova t-test pairs after sorting the sample means in descending order

2,4

9,14

1 @ , \$ 5.56801 @ , \$ 14.7391 @ , \$ 17.7644 @ , \$ 10.217 @ , \$ 17.9358 @ , \$ -2.71975 @ , \$ 17.7111 @ , \$ 9.59991 @ , \$ 23.0823 @ , \$ 13.9592 @ , \$ 2 @ , \$ 89.7812 @ , \$ 91.8412 @ , \$ 90.8137 @ , \$ 87.8652 @ , \$ 88.9877 @ , \$ 101.82 @ , \$ 89.0588 @ , \$ 90.6192 @ , \$ 90.2357 @ , \$ 87.066 @ , \$ 3 @ , \$ 57.3274 @ , \$ 51.3747 @ , \$ 59.7923 @ , \$ 54.1412 @ , \$ 47.9019 @ , \$ 64.8573 @ , \$ 53.9263 @ , \$ 47.4358 @ , \$ 45.3875 @ , \$ 42.0576 @ , \$ 4 @ , \$ 120.799 @ , \$ 138.686 @ , \$ 126.528 @ , \$ 127.297 @ , \$ 134.259 @ , \$ 139.259 @ , \$ 118.83 @ , \$ 142.763 @ , \$ 121.319 @ , \$ 138.862 @ , \$ 5 @ , \$ 49.1667 @ , \$ 58.5019 @ , \$ 65.9054 @ , \$ 40.5122 @ , \$ 37.7379 @ , \$ 55.5481 @ , \$ 36.8386 @ , \$ 40.6097 @ , \$ 33.8645 @ , \$ 52.38 @ , \$ 6 @ , \$ 204.049 @ , \$ 172.031 @ , \$ 151.236 @ , \$ 188.123 @ , \$ 183.483 @ , \$ 192.667 @ , \$ 170.785 @ , \$ 170.78 @ , \$ 180.206 @ , \$ 171.503 @ , \$ 7 @ , \$ 141.178 @ , \$ 136.837 @ , \$ 130.121 @ , \$ 133.428 @ , \$ 134.785 @ , \$ 147.96 @ , \$ 129.818 @ , \$ 134.828 @ , \$ 136.836 @ , \$ 133.247 @ , \$ 8 @ , \$ 8.0189 @ , \$ 16.7079 @ , \$ 16.6575 @ , \$ 14.7663 @ , \$ 13.3979 @ , \$ 21.2296 @ , \$ 10.8515 @ , \$ 13.227 @ , \$ 14.7938 @ , \$ 15.8614 @ , \$ 9 @ , \$ 125.948 @ , \$ 115.627 @ , \$ 128.883 @ , \$ 105.622 @ , \$ 108.639 @ , \$ 115.818 @ , \$ 115.127 @ , \$ 99.8888 @ , \$ 109.177 @ , \$ 113.231 @ , \$ 10 @ , \$ -1.99954 @ , \$ -4.68747 @ , \$ 0.369414 @ , \$ 0.968373 @ , \$ 5.56224 @ , \$ 2.88135 @ , \$ -1.49516 @ , \$ 5.84264 @ , \$ 10.8723 @ , \$ 6.9751 @ , \$ 11 @ , \$ 248.152 @ , \$ 252.328 @ , \$ 247.167 @ , \$ 245.592 @ , \$ 254.091 @ , \$ 267.243 @ , \$ 256.507 @ , \$ 254.233 @ , \$ 244.814 @ , \$ 246.832 @ , \$ 12 @ , \$ 222.153 @ , \$ 222.137 @ , \$ 218.231 @ , \$ 220.787 @ , \$ 219.491 @ , \$ 229.306 @ , \$ 219.412 @ , \$ 217.97 @ , \$ 221.762 @ , \$ 222.397 @ , \$ 13 @ , \$ 169.944 @ , \$ 161.04 @ , \$ 163.677 @ , \$ 176.907 @ , \$ 163.63 @ , \$ 170.839 @ , \$ 159.096 @ , \$ 164.642 @ , \$ 147.22 @ , \$ 165.827 @ , \$ 14 @ , \$ 41.8651 @ , \$ 34.9061 @ , \$ 23.4726 @ , \$ 35.8173 @ , \$ 40.2767 @ , \$ 35.6447 @ , \$ 35.9064 @ , \$ 27.2276 @ , \$ 34.8603 @ , \$ 32.5202 @ , \$ 15 @ , \$ 51.9576 @ , \$ 55.9979 @ , \$ 53.5703 @ , \$ 54.2149 @ , \$ 53.3601 @ , \$ 61.3158 @ , \$ 55.5618 @ , \$ 53.3239 @ , \$ 54.0655 @ , \$ 51.5476 @ , \$

BS21B012

Alpha = 0.0627587

post anova t-test pairs after sorting the sample means in descending order

1,8

12,15

1 @ , \$ 280.527 @ , \$ 261.53 @ , \$ 267.601 @ , \$ 277.56 @ , \$ 251.36 @ , \$ 278.185 @ , \$ 270.94 @ , \$ 256.567 @ , \$ 266.88 @ , \$ 242.481 @ , \$ 2 @ , \$ 169.458 @ , \$ 172.826 @ , \$ 149.635 @ , \$ 166.477 @ , \$ 180.123 @ , \$ 171.333 @ , \$ 138.201 @ , \$ 151.078 @ , \$ 165.024 @ , \$ 160.808 @ , \$ 3 @ , \$ 184.825 @ , \$ 174.882 @ , \$ 182.432 @ , \$ 175.13 @ , \$ 175.54 @ , \$ 196.127 @ , \$ 184.415 @ , \$ 183.657 @ , \$ 176.4 @ , \$ 181.043 @ , \$ 4 @ , \$ 20.6821 @ , \$ 35.2794 @ , \$ 46.6868 @ , \$ 34.3372 @ , \$ 39.8383 @ , \$ 41.5788 @ , \$ 51.4588 @ , \$ 31.4687 @ , \$ 11.0418 @ , \$ 39.6706 @ , \$ 5 @ , \$ 171.668 @ , \$ 181.195 @ , \$ 158.022 @ , \$ 168.165 @ , \$ 179.323 @ , \$ 160.648 @ , \$ 184.893 @ , \$ 163.092 @ , \$ 173.52 @ , \$ 172.064 @ , \$ 6 @ , \$ 223.222 @ , \$ 216.213 @ , \$ 225.439 @ , \$ 218.41 @ , \$ 228.617 @ , \$ 241.08 @ , \$ 213.103 @ , \$ 229.739 @

, \$ 229.868 @ , \$ 226.032 @ , \$ 7 @ , \$ 227.129 @ , \$ 234.369 @ , \$ 229.266 @ , \$ 219.614 @ , \$ 218.992 @ , \$ 225.138 @ , \$ 222.979 @ , \$ 206.187 @ , \$ 235.673 @ , \$ 238.517 @ , \$ 8 @ , \$ 81.3272 @ , \$ 70.6464 @ , \$ 71.3426 @ , \$ 74.113 @ , \$ 67.6263 @ , \$ 60.041 @ , \$ 68.1161 @ , \$ 61.6909 @ , \$ 60.6846 @ , \$ 71.9133 @ , \$ 9 @ , \$ 290.622 @ , \$ 282.204 @ , \$ 273.476 @ , \$ 284.056 @ , \$ 272.732 @ , \$ 270.861 @ , \$ 279.012 @ , \$ 280.944 @ , \$ 284.333 @ , \$ 281.994 @ , \$ 10 @ , \$ 276.905 @ , \$ 275.395 @ , \$ 272.566 @ , \$ 266.705 @ , \$ 282.707 @ , \$ 295.433 @ , \$ 270.129 @ , \$ 268.102 @ , \$ 275.661 @ , \$ 265.82 @ , \$ 11 @ , \$ 149.92 @ , \$ 158.201 @ , \$ 149.326 @ , \$ 158.481 @ , \$ 164.998 @ , \$ 156.167 @ , \$ 159.313 @ , \$ 175.184 @ , \$ 168.35 @ , \$ 162.37 @ , \$ 12 @ , \$ 236.824 @ , \$ 233.295 @ , \$ 230.622 @ , \$ 234.011 @ , \$ 228.599 @ , \$ 230.737 @ , \$ 226.113 @ , \$ 231.833 @ , \$ 240.929 @ , \$ 233.173 @ , \$ 13 @ , \$ 6.43751 @ , \$ -0.533057 @ , \$ 3.47515 @ , \$ 9.72328 @ , \$ 6.99618 @ , \$ 9.15338 @ , \$ 2.96646 @ , \$ 9.4082 @ , \$ 12.795 @ , \$ 7.22988 @ , \$ 14 @ , \$ 80.7913 @ , \$ 89.5834 @ , \$ 80.7353 @ , \$ 99.5636 @ , \$ 94.0474 @ , \$ 98.7858 @ , \$ 76.8586 @ , \$ 89.3551 @ , \$ 85.863 @ , \$ 85.9551 @ , \$ 15 @ , \$ 203.927 @ , \$ 177.057 @ , \$ 200.591 @ , \$ 189.072 @ , \$ 208.536 @ , \$ 216.877 @ , \$ 197.71 @ , \$ 183.692 @ , \$ 204.376 @ , \$ 186.722 @ , \$

BS21B013

Alpha = 0.0903121

post anova t-test pairs after sorting the sample means in descending order

2,5

12,14

1 @ , \$ 27.1421 @ , \$ 31.9317 @ , \$ 45.236 @ , \$ 37.1737 @ , \$ 40.7754 @ , \$ 38.5103 @ , \$ 34.787 @ , \$ 44.2991 @ , \$ 28.5529 @ , \$ 34.9353 @ , \$ 2 @ , \$ 28.3916 @ , \$ 8.29975 @ , \$ 19.4977 @ , \$ 19.2346 @ , \$ 23.7734 @ , \$ 38.9249 @ , \$ 28.7119 @ , \$ 18.5678 @ , \$ 29.2372 @ , \$ 13.8967 @ , \$ 3 @ , \$ 157.965 @ , \$ 166.234 @ , \$ 160.202 @ , \$ 151.419 @ , \$ 148.226 @ , \$ 158.139 @ , \$ 164.091 @ , \$ 159.903 @ , \$ 151.065 @ , \$ 157.134 @ , \$ 4 @ , \$ 51.6298 @ , \$ 61.8856 @ , \$ 53.6412 @ , \$ 42.8097 @ , \$ 46.8808 @ , \$ 75.5459 @ , \$ 62.61 @ , \$ 66.1663 @ , \$ 43.8002 @ , \$ 58.3613 @ , \$ 5 @ , \$ 30.7226 @ , \$ 30.7223 @ , \$ 25.8435 @ , \$ 60.9096 @ , \$ 20.2707 @ , \$ 47.5064 @ , \$ 36.3047 @ , \$ 32.9192 @ , \$ 29.0807 @ , \$ 48.8801 @ , \$ 6 @ , \$ 156.779 @ , \$ 157.8 @ , \$ 157.411 @ , \$ 161.909 @ , \$ 156.41 @ , \$ 155.219 @ , \$ 159.588 @ , \$ 165.568 @ , \$ 157.766 @ , \$ 166.747 @ , \$ 7 @ , \$ 292.254 @ , \$ 285.789 @ , \$ 289.143 @ , \$ 282.229 @ , \$ 288.196 @ , \$ 300.958 @ , \$ 299.929 @ , \$ 281.043 @ , \$ 276.579 @ , \$ 267.932 @ , \$ 8 @ , \$ 148.557 @ , \$ 150.378 @ , \$ 162.858 @ , \$ 140.591 @ , \$ 149.302 @ , \$ 134.285 @ , \$ 132.425 @ , \$ 149.081 @ , \$ 143.982 @ , \$ 167.324 @ , \$ 9 @ , \$ 61.0775 @ , \$ 65.8048 @ , \$ 67.7714 @ , \$ 61.543 @ , \$ 58.6264 @ , \$ 60.8307 @ , \$ 64.1856 @ , \$ 65.2429 @ , \$ 58.1618 @ , \$ 61.312 @ , \$ 10 @ , \$ 107.105 @ , \$ 122.283 @ , \$ 112.299 @ , \$ 119.2 @ , \$ 115.276 @ , \$ 135.993 @ , \$ 114.259 @ , \$ 107.376 @ , \$ 115.148 @ , \$ 107.618 @ , \$ 11 @ , \$ 79.0633 @ , \$ 80.2105 @ , \$ 80.3782 @ , \$ 77.8808 @ , \$ 82.1073 @ , \$ 83.4426 @ , \$ 83.3824 @ , \$ 77.1571 @ , \$ 81.3903 @ , \$ 82.792 @ , \$ 12 @ , \$ 184.268 @ , \$ 194.737 @ , \$ 181.025 @ , \$ 187.712 @ , \$ 179.146 @ , \$ 169.06 @ , \$ 175.736 @ , \$ 178.285 @ , \$ 180.9 @ , \$ 177.802 @ , \$ 13 @ , \$ 109.299 @ , \$ 102.129 @ , \$ 108.436 @ , \$ 100.262 @ , \$ 102.366 @ , \$ 106.631 @ , \$ 101.615 @ , \$ 104.076 @ , \$ 96.0217 @ , \$ 111.404 @ , \$ 14 @ , \$ 124.4 @ , \$ 131.319 @ , \$ 117.389 @ , \$ 126.989 @ , \$ 136.483 @ , \$ 160.375 @ , \$ 139.705 @ , \$ 128.295 @ , \$ 142.357 @ , \$ 126.181 @ , \$

15 @ , \$ 110.021 @ , \$ 98.1068 @ , \$ 106.811 @ , \$ 111.071 @ , \$ 107.267 @ , \$ 137.016 @ , \$ 98.5227 @ , \$ 101.427 @ , \$ 119.849 @ , \$ 104.744 @ , \$

#### BS21B014

Alpha = 0.072731

post anova t-test pairs after sorting the sample means in descending order

2,8

12,14

1 @ , \$ 23.8648 @ , \$ 12.9895 @ , \$ 10.6686 @ , \$ 17.088 @ , \$ 17.6226 @ , \$ 40.8889 @ , \$ 25.6951 @ , \$ 13.8485 @ , \$ 14.8397 @ , \$ 17.4346 @ , \$ 2 @ , \$ 224.034 @ , \$ 216.163 @ , \$ 233.391 @ , \$ 230.192 @ , \$ 250.835 @ , \$ 224.508 @ , \$ 219.859 @ , \$ 218.771 @ , \$ 226.177 @ , \$ 223.898 @ , \$ 3 @ , \$ 156.318 @ , \$ 149.45 @ , \$ 150.385 @ , \$ 155.093 @ , \$ 150.795 @ , \$ 169.732 @ , \$ 151.478 @ , \$ 144.568 @ , \$ 151.193 @ , \$ 145.64 @ , \$ 4 @ , \$ 226.248 @ , \$ 216.103 @ , \$ 222.501 @ , \$ 225.086 @ , \$ 220.507 @ , \$ 221.698 @ , \$ 210.401 @ , \$ 224.126 @ , \$ 231.194 @ , \$ 237.248 @ , \$ 5 @ , \$ 51.4731 @ , \$ 44.4958 @ , \$ 52.5014 @ , \$ 46.8471 @ , \$ 46.7487 @ , \$ 39.6217 @ , \$ 45.2931 @ , \$ 38.202 @ , \$ 42.7513 @ , \$ 36.405 @ , \$ 6 @ , \$ 208.072 @ , \$ 197.125 @ , \$ 199.236 @ , \$ 215.315 @ , \$ 214.088 @ , \$ 220.964 @ , \$ 206.521 @ , \$ 205.226 @ , \$ 191.561 @ , \$ 199.214 @ , \$ 7 @ , \$ 288.293 @ , \$ 302.48 @ , \$ 281.442 @ , \$ 297.061 @ , \$ 277.465 @ , \$ 275.124 @ , \$ 279.607 @ , \$ 275.075 @ , \$ 298.133 @ , \$ 278.564 @ , \$ 8 @ , \$ 16.4978 @ , \$ 15.7308 @ , \$ 15.4128 @ , \$ 7.35744 @ , \$ 17.7745 @ , \$ 23.3769 @ , \$ 16.4947 @ , \$ 18.4861 @ , \$ 21.5893 @ , \$ 20.4034 @ , \$ 9 @ , \$ 141.823 @ , \$ 147.927 @ , \$ 141.631 @ , \$ 133.669 @ , \$ 142.673 @ , \$ 133.913 @ , \$ 140.139 @ , \$ 148.587 @ , \$ 131.244 @ , \$ 144.61 @ , \$ 10 @ , \$ 266.934 @ , \$ 271.731 @ , \$ 267.306 @ , \$ 282.757 @ , \$ 291.136 @ , \$ 279.931 @ , \$ 264.48 @ , \$ 257.672 @ , \$ 267.312 @ , \$ 273.88 @ , \$ 11 @ , \$ 190.098 @ , \$ 171.986 @ , \$ 199.476 @ , \$ 179.164 @ , \$ 185.585 @ , \$ 199.117 @ , \$ 175.119 @ , \$ 158.956 @ , \$ 181.216 @ , \$ 176.087 @ , \$ 12 @ , \$ 233.462 @ , \$ 226.938 @ , \$ 251.959 @ , \$ 242.127 @ , \$ 245.42 @ , \$ 226.235 @ , \$ 236.727 @ , \$ 250.846 @ , \$ 246.219 @ , \$ 244.577 @ , \$ 13 @ , \$ 106.466 @ , \$ 105.542 @ , \$ 128.151 @ , \$ 112.157 @ , \$ 118.539 @ , \$ 118.913 @ , \$ 109.177 @ , \$ 105.007 @ , \$ 101.122 @ , \$ 117.609 @ , \$ 14 @ , \$ 130.227 @ , \$ 118.358 @ , \$ 134.622 @ , \$ 120.839 @ , \$ 120.928 @ , \$ 133.062 @ , \$ 130.626 @ , \$ 116.856 @ , \$ 126.545 @ , \$ 120.955 @ , \$ 15 @ , \$ 264.46 @ , \$ 262.11 @ , \$ 273.059 @ , \$ 263.64 @ , \$ 260.352 @ , \$ 271.91 @ , \$ 274.511 @ , \$ 261.637 @ , \$ 270.804 @ , \$ 269.342 @ , \$

#### BS21B015

Alpha = 0.0580434

post anova t-test pairs after sorting the sample means in descending order

1,5

11,15

1 @ , \$ 263.976 @ , \$ 273.54 @ , \$ 282.448 @ , \$ 277.983 @ , \$ 265.09 @ , \$ 286.312 @ , \$ 274.434 @ , \$ 269.779 @ , \$ 270.195 @ , \$ 280.784 @ , \$ 2 @ , \$ 60.1228 @ , \$ 63.6999 @ , \$ 58.5763 @ , \$ 51.8444 @ , \$ 50.0436 @ , \$ 81.9996 @ , \$ 47.7579 @ , \$ 56.2956 @ , \$ 52.9843 @ , \$ 55.6932 @ , \$ 3 @ , \$ 235.016 @ , \$ 237.953 @ , \$ 240.72 @ , \$ 231.582 @ , \$ 239.061 @ , \$ 248.515 @ , \$ 239.007 @ , \$ 240.58 @ , \$ 241.182 @ , \$ 239.971 @ , \$ 4 @ , \$ -4.29342 @ , \$ 19.5731 @ , \$ -2.38344 @ , \$ 14.009 @ , \$ 23.7983 @ , \$ 5.63323 @ , \$ 10.0477 @ , \$ 2.01025 @ , \$ 14.8074 @ , \$ 4.25577 @ , \$

5 @, \$ 292.016 @, \$ 295.219 @, \$ 288.089 @, \$ 300.216 @, \$ 290.47 @, \$ 301.543 @, \$ 294.472 @, \$ 287.722 @, \$ 297.811 @, \$ 302.794 @, \$ 6 @, \$ 110.605 @, \$ 130.914 @, \$ 107.509 @, \$ 121.841 @, \$ 112.836 @, \$ 119.642 @, \$ 118.689 @, \$ 119.803 @, \$ 113.126 @, \$ 128.043 @, \$ 7 @, \$ 184.847 @, \$ 172.816 @, \$ 187.17 @, \$ 187.799 @, \$ 187.427 @, \$ 169.394 @, \$ 185.302 @, \$ 182.431 @, \$ 183.347 @, \$ 192.263 @, \$ 8 @, \$ 185.676 @, \$ 187.041 @, \$ 197.575 @, \$ 182.758 @, \$ 187.112 @, \$ 198.402 @, \$ 186.896 @, \$ 175.05 @, \$ 178.755 @, \$ 185.946 @, \$ 9 @, \$ 229.747 @, \$ 228.495 @, \$ 223.214 @, \$ 235.562 @, \$ 228.817 @, \$ 236.6 @, \$ 228.505 @, \$ 227.914 @, \$ 231.332 @, \$ 228.625 @, \$ 10 @, \$ 129.643 @, \$ 141.554 @, \$ 114.441 @, \$ 140.997 @, \$ 128.117 @, \$ 141.181 @, \$ 139.562 @, \$ 145.238 @, \$ 139.755 @, \$ 142.369 @, \$ 11 @, \$ 14.3417 @, \$ 5.82743 @, \$ -1.35018 @, \$ -3.76865 @, \$ 16.7433 @, \$ 27.9334 @, \$ 12.2868 @, \$ 0.28014 @, \$ 16.2737 @, \$ 22.5477 @, \$ 12 @, \$ 222.764 @, \$ 226.179 @, \$ 212.506 @, \$ 227.629 @, \$ 248.588 @, \$ 236.853 @, \$ 217.838 @, \$ 236.736 @, \$ 226.389 @, \$ 215.221 @, \$ 13 @, \$ 152.184 @, \$ 139.692 @, \$ 149.842 @, \$ 159.545 @, \$ 143.928 @, \$ 170.932 @, \$ 156.325 @, \$ 149.796 @, \$ 147.089 @, \$ 148.364 @, \$ 14 @, \$ 70.9457 @, \$ 57.3071 @, \$ 49.0923 @, \$ 59.3428 @, \$ 58.2543 @, \$ 52.8208 @, \$ 54.5889 @, \$ 61.483 @, \$ 54.7543 @, \$ 71.9055 @, \$ 15 @, \$ 63.0322 @, \$ 51.9477 @, \$ 74.756 @, \$ 67.2321 @, \$ 67.988 @, \$ 74.9157 @, \$ 69.9633 @, \$ 68.2624 @, \$ 68.9477 @, \$ 73.4014 @, \$

BS21B016

Alpha = 0.0935927

post anova t-test pairs after sorting the sample means in descending order

2,5

11,14

1 @, \$ 272.188 @, \$ 270.168 @, \$ 261.602 @, \$ 264.78 @, \$ 262.582 @, \$ 281.884 @, \$ 262.905 @, \$ 276.256 @, \$ 269.833 @, \$ 273.697 @, \$ 2 @, \$ 186.561 @, \$ 181.086 @, \$ 181.449 @, \$ 184.628 @, \$ 192.864 @, \$ 194.946 @, \$ 188.505 @, \$ 197.163 @, \$ 191.05 @, \$ 182.169 @, \$ 3 @, \$ 103.294 @, \$ 104.751 @, \$ 91.7257 @, \$ 101.191 @, \$ 96.8102 @, \$ 92.2139 @, \$ 103.751 @, \$ 103.703 @, \$ 97.8931 @, \$ 103.749 @, \$ 4 @, \$ 29.6958 @, \$ 52.2775 @, \$ 56.8544 @, \$ 43.8726 @, \$ 49.2667 @, \$ 86.4506 @, \$ 65.9966 @, \$ 47.7177 @, \$ 39.658 @, \$ 47.467 @, \$ 5 @, \$ 290.931 @, \$ 294.508 @, \$ 293.795 @, \$ 292.567 @, \$ 295.406 @, \$ 303.295 @, \$ 295.044 @, \$ 294.458 @, \$ 288.248 @, \$ 296.175 @, \$ 6 @, \$ 239.686 @, \$ 246.622 @, \$ 246.596 @, \$ 227.712 @, \$ 237.157 @, \$ 247.226 @, \$ 238.427 @, \$ 237.762 @, \$ 223.931 @, \$ 237.795 @, \$ 7 @, \$ 224.348 @, \$ 226.393 @, \$ 229.062 @, \$ 229.398 @, \$ 226.439 @, \$ 223.792 @, \$ 220.485 @, \$ 230.778 @, \$ 224.333 @, \$ 229.454 @, \$ 8 @, \$ 117.426 @, \$ 131.32 @, \$ 95.0121 @, \$ 102.926 @, \$ 119.143 @, \$ 132.032 @, \$ 100.85 @, \$ 107.793 @, \$ 114.784 @, \$ 114.83 @, \$ 9 @, \$ 255.831 @, \$ 258.529 @, \$ 264.646 @, \$ 258.228 @, \$ 270.445 @, \$ 262.732 @, \$ 271.493 @, \$ 273.535 @, \$ 252.595 @, \$ 251.991 @, \$ 10 @, \$ 77.2349 @, \$ 85.3864 @, \$ 77.8786 @, \$ 84.464 @, \$ 81.7054 @, \$ 96.9224 @, \$ 87.0796 @, \$ 82.4143 @, \$ 87.2861 @, \$ 84.0098 @, \$ 11 @, \$ 112.307 @, \$ 119.109 @, \$ 115.326 @, \$ 116.12 @, \$ 117.228 @, \$ 124.864 @, \$ 122.229 @, \$ 120.159 @, \$ 110.921 @, \$ 117.372 @, \$ 12 @, \$ 271.091 @, \$ 262.039 @, \$ 263.933 @, \$ 260.486 @, \$ 272.963 @, \$ 265.133 @, \$ 258.92 @, \$ 260.199 @, \$ 250.459 @, \$ 263.95 @, \$ 13 @, \$ 29.634 @, \$ 29.837 @, \$ 29.7942 @, \$ 29.6091 @, \$ 29.7457 @, \$ 51.8707 @, \$ 29.5112 @, \$ 29.9845

@ , \$ 29.8099 @ , \$ 29.7173 @ , \$  
14 @ , \$ 215.602 @ , \$ 217.405 @ , \$ 219.259 @ , \$ 209.807 @ , \$ 222.523 @ , \$ 215.943 @ , \$ 218.702 @ , \$  
218.434 @ , \$ 223.35 @ , \$ 218.286 @ , \$  
15 @ , \$ 229.006 @ , \$ 229.709 @ , \$ 228.06 @ , \$ 229.249 @ , \$ 217.127 @ , \$ 217.606 @ , \$ 234.351 @ , \$ 224.411  
@ , \$ 222.2 @ , \$ 228.397 @ , \$

## BS21B017

Alpha = 0.0995194

post anova t-test pairs after sorting the sample means in descending order

3,5

10,14

1 @ , \$ 210.569 @ , \$ 206.061 @ , \$ 191.193 @ , \$ 203.991 @ , \$ 199.399 @ , \$ 213.801 @ , \$ 201.92 @ , \$ 209.129  
@ , \$ 207.258 @ , \$ 200.623 @ , \$  
2 @ , \$ 164.037 @ , \$ 171.396 @ , \$ 187.609 @ , \$ 173.503 @ , \$ 174.291 @ , \$ 186.004 @ , \$ 179.868 @ , \$ 169.447  
@ , \$ 161.351 @ , \$ 162.635 @ , \$  
3 @ , \$ 185.892 @ , \$ 183.843 @ , \$ 194.864 @ , \$ 164.256 @ , \$ 174.516 @ , \$ 185.781 @ , \$ 176.316 @ , \$ 192.521  
@ , \$ 185.001 @ , \$ 188.527 @ , \$  
4 @ , \$ 42.1802 @ , \$ 45.2492 @ , \$ 36.4816 @ , \$ 45.5231 @ , \$ 43.4321 @ , \$ 18.6776 @ , \$ 35.3946 @ , \$ 34.6724  
@ , \$ 32.7886 @ , \$ 39.5543 @ , \$  
5 @ , \$ 250.788 @ , \$ 238.973 @ , \$ 240.55 @ , \$ 240.25 @ , \$ 250.611 @ , \$ 252.024 @ , \$ 243.478 @ , \$ 251.25 @ ,  
\$ 240.11 @ , \$ 241.384 @ , \$  
6 @ , \$ 173.769 @ , \$ 171.163 @ , \$ 167.277 @ , \$ 169.994 @ , \$ 178.733 @ , \$ 162.382 @ , \$ 167.744 @ , \$ 168.611  
@ , \$ 175.644 @ , \$ 164.704 @ , \$  
7 @ , \$ 225.068 @ , \$ 232.813 @ , \$ 234.258 @ , \$ 240.738 @ , \$ 234.081 @ , \$ 265.147 @ , \$ 237.683 @ , \$ 230.013  
@ , \$ 235.807 @ , \$ 234.944 @ , \$  
8 @ , \$ 298.07 @ , \$ 279.859 @ , \$ 277.296 @ , \$ 295.628 @ , \$ 294.748 @ , \$ 296.878 @ , \$ 286.846 @ , \$ 304.537  
@ , \$ 294.124 @ , \$ 294.992 @ , \$  
9 @ , \$ 290.465 @ , \$ 276.024 @ , \$ 279.144 @ , \$ 276.632 @ , \$ 271.045 @ , \$ 276.648 @ , \$ 265.75 @ , \$ 262.21 @ ,  
\$ 266.699 @ , \$ 266.713 @ , \$  
10 @ , \$ 268.364 @ , \$ 267.415 @ , \$ 255.87 @ , \$ 270.182 @ , \$ 267.356 @ , \$ 292.61 @ , \$ 273.775 @ , \$ 268.853  
@ , \$ 273.232 @ , \$ 284.6 @ , \$  
11 @ , \$ 207.055 @ , \$ 213.975 @ , \$ 209.994 @ , \$ 228.597 @ , \$ 202.329 @ , \$ 230.534 @ , \$ 211.742 @ , \$  
211.355 @ , \$ 209.533 @ , \$ 217.327 @ , \$  
12 @ , \$ 216.491 @ , \$ 218.452 @ , \$ 220.292 @ , \$ 223.624 @ , \$ 200.411 @ , \$ 214.53 @ , \$ 204.346 @ , \$ 207.84  
@ , \$ 209.682 @ , \$ 198.998 @ , \$  
13 @ , \$ 156.691 @ , \$ 175.845 @ , \$ 183.218 @ , \$ 179.374 @ , \$ 179.928 @ , \$ 185.889 @ , \$ 184.123 @ , \$  
193.121 @ , \$ 167.753 @ , \$ 176.821 @ , \$  
14 @ , \$ 92.9027 @ , \$ 81.6016 @ , \$ 95.0078 @ , \$ 90.1803 @ , \$ 101.104 @ , \$ 87.6241 @ , \$ 87.8938 @ , \$  
80.0489 @ , \$ 91.0564 @ , \$ 86.1106 @ , \$  
15 @ , \$ 214.357 @ , \$ 202.884 @ , \$ 206.181 @ , \$ 202.338 @ , \$ 211.594 @ , \$ 234.572 @ , \$ 207.487 @ , \$  
205.063 @ , \$ 204.178 @ , \$ 207.379 @ , \$

## BS21B018

Alpha = 0.0504814

post anova t-test pairs after sorting the sample means in descending order

3,4

10,14

1 @ , \$ 78.7417 @ , \$ 87.8594 @ , \$ 77.83 @ , \$ 79.0475 @ , \$ 78.383 @ , \$ 101.35 @ , \$ 86.8918 @ , \$ 80.3924 @ , \$  
85.6907 @ , \$ 84.9034 @ , \$  
2 @ , \$ 27.2001 @ , \$ 11.0527 @ , \$ 21.7146 @ , \$ 9.27925 @ , \$ 12.403 @ , \$ 23.3387 @ , \$ 32.6982 @ , \$ 13.3469  
@ , \$ 10.3305 @ , \$ 15.2328 @ , \$  
3 @ , \$ 20.2104 @ , \$ 24.2742 @ , \$ 17.5244 @ , \$ 23.7753 @ , \$ 30.9216 @ , \$ 26.2076 @ , \$ 21.1772 @ , \$ 22.166

@, \$ 22.7943 @, \$ 26.7146 @, \$ 4 @, \$ 20.583 @, \$ 0.983147 @, \$ 3.62717 @, \$ 15.789 @, \$ 13.64 @, \$ 41.8445 @, \$ 7.70268 @, \$ -17.4407 @, \$ 23.3555 @, \$ 16.5297 @, \$ 5 @, \$ 198.414 @, \$ 183.275 @, \$ 171.575 @, \$ 174.881 @, \$ 166.415 @, \$ 171.038 @, \$ 171.776 @, \$ 178.033 @, \$ 170.364 @, \$ 171.944 @, \$ 6 @, \$ 124.808 @, \$ 113.78 @, \$ 107.568 @, \$ 126.259 @, \$ 124.075 @, \$ 116.152 @, \$ 119.014 @, \$ 113.274 @, \$ 114.124 @, \$ 114.071 @, \$ 7 @, \$ 101.337 @, \$ 95.2222 @, \$ 90.3611 @, \$ 101.613 @, \$ 106.013 @, \$ 91.7572 @, \$ 99.1424 @, \$ 103.043 @, \$ 89.3701 @, \$ 94.7736 @, \$ 8 @, \$ 67.48 @, \$ 65.7047 @, \$ 67.1274 @, \$ 68.1804 @, \$ 59.1685 @, \$ 81.3544 @, \$ 62.5372 @, \$ 67.0634 @, \$ 65.0951 @, \$ 55.9679 @, \$ 9 @, \$ 262.246 @, \$ 249.581 @, \$ 253.219 @, \$ 255.267 @, \$ 257.665 @, \$ 274.24 @, \$ 262.966 @, \$ 257.269 @, \$ 255.039 @, \$ 258.423 @, \$ 10 @, \$ 18.8842 @, \$ 15.8169 @, \$ 21.3597 @, \$ 21.0125 @, \$ 19.3707 @, \$ 26.6014 @, \$ 22.3577 @, \$ 17.5072 @, \$ 22.6915 @, \$ 20.2994 @, \$ 11 @, \$ 286.805 @, \$ 292.533 @, \$ 311.941 @, \$ 308.282 @, \$ 297.571 @, \$ 311.633 @, \$ 312.871 @, \$ 292.672 @, \$ 302.905 @, \$ 300.912 @, \$ 12 @, \$ 289.756 @, \$ 308.332 @, \$ 302.358 @, \$ 301.011 @, \$ 294.202 @, \$ 313.842 @, \$ 299.317 @, \$ 299.006 @, \$ 308.776 @, \$ 291.995 @, \$ 13 @, \$ 207.24 @, \$ 205.58 @, \$ 214.904 @, \$ 211.529 @, \$ 207.358 @, \$ 240.848 @, \$ 209.182 @, \$ 223.759 @, \$ 210.934 @, \$ 209.981 @, \$ 14 @, \$ 227.062 @, \$ 230.219 @, \$ 234.286 @, \$ 236.051 @, \$ 240.457 @, \$ 249.143 @, \$ 230.205 @, \$ 234.276 @, \$ 244.389 @, \$ 224.291 @, \$ 15 @, \$ 148.568 @, \$ 155.581 @, \$ 145.096 @, \$ 151.349 @, \$ 154.738 @, \$ 149.081 @, \$ 147.667 @, \$ 152.759 @, \$ 151.302 @, \$ 145.728 @, \$

BS21B019

Alpha = 0.0881662

post anova t-test pairs after sorting the sample means in descending order

3,5

12,13

1 @, \$ 96.688 @, \$ 102.151 @, \$ 98.1835 @, \$ 104.476 @, \$ 94.4568 @, \$ 107.035 @, \$ 102.18 @, \$ 99.172 @, \$ 106.381 @, \$ 106.351 @, \$ 2 @, \$ 158.635 @, \$ 157.829 @, \$ 160.208 @, \$ 160.153 @, \$ 160.687 @, \$ 177.965 @, \$ 160.125 @, \$ 156.967 @, \$ 155.682 @, \$ 161.404 @, \$ 3 @, \$ 95.8443 @, \$ 98.1737 @, \$ 80.2208 @, \$ 113.984 @, \$ 107.438 @, \$ 115.938 @, \$ 101.545 @, \$ 106.182 @, \$ 116.148 @, \$ 111.38 @, \$ 4 @, \$ 68.1867 @, \$ 80.2999 @, \$ 70.9727 @, \$ 73.9032 @, \$ 69.5922 @, \$ 74.7777 @, \$ 83.7251 @, \$ 70.3983 @, \$ 66.2202 @, \$ 74.3603 @, \$ 5 @, \$ 246.506 @, \$ 253.204 @, \$ 249.047 @, \$ 245.539 @, \$ 251.9 @, \$ 255.445 @, \$ 245.097 @, \$ 248.048 @, \$ 248.983 @, \$ 254.309 @, \$ 6 @, \$ 126.888 @, \$ 141.722 @, \$ 127.802 @, \$ 143.3 @, \$ 124.309 @, \$ 127.821 @, \$ 132.008 @, \$ 127.943 @, \$ 122.804 @, \$ 141.55 @, \$ 7 @, \$ 16.5807 @, \$ 30.309 @, \$ 40.5793 @, \$ 33.9038 @, \$ 17.3529 @, \$ 13.0594 @, \$ 37.1467 @, \$ 25.578 @, \$ 15.7059 @, \$ 46.7935 @, \$ 8 @, \$ -8.43928 @, \$ 4.84653 @, \$ 7.79022 @, \$ 17.8272 @, \$ 5.87581 @, \$ 10.3519 @, \$ 1.50184 @, \$ 6.16175 @, \$ 4.55159 @, \$ -7.72355 @, \$ 9 @, \$ 203.114 @, \$ 195.304 @, \$ 188.624 @, \$ 184.694 @, \$ 209.008 @, \$ 222.565 @, \$ 192.269 @, \$ 203.32 @, \$ 202.324 @, \$ 183.771 @, \$ 10 @, \$ 240.975 @, \$ 232.418 @, \$ 235.837 @, \$ 227.655 @, \$ 229.505 @, \$ 234.929 @, \$ 231.874 @, \$ 257.874 @, \$ 236.459 @, \$ 231.065 @, \$ 11 @, \$ 167.369 @, \$ 166.337 @, \$ 174.125 @, \$ 171.87 @, \$ 176.442 @, \$ 197.466 @, \$ 176.831 @, \$ 168.066 @, \$ 184.549 @, \$ 178.54 @, \$

12 @ , \$ 71.7837 @ , \$ 75.6541 @ , \$ 72.738 @ , \$ 81.382 @ , \$ 71.298 @ , \$ 85.9453 @ , \$ 72.0117 @ , \$ 67.233 @ ,  
\$ 81.9801 @ , \$ 73.4991 @ , \$ 13 @ , \$ 289.725 @ , \$ 290.981 @ , \$ 289.992 @ , \$ 290.803 @ , \$ 290.969 @ , \$ 296.596 @ , \$ 299.843 @ , \$  
287.516 @ , \$ 287.694 @ , \$ 286.926 @ , \$ 14 @ , \$ 21.7749 @ , \$ 25.1072 @ , \$ 22.1194 @ , \$ 20.825 @ , \$ 19.1518 @ , \$ 25.2302 @ , \$ 23.2649 @ , \$ 16.5188  
@ , \$ 20.2876 @ , \$ 21.7259 @ , \$ 15 @ , \$ 112.029 @ , \$ 124.284 @ , \$ 117.261 @ , \$ 127.684 @ , \$ 107.707 @ , \$ 136.334 @ , \$ 112.507 @ , \$  
126.475 @ , \$ 107.192 @ , \$ 108.218 @ , \$

## BS21B020

Alpha = 0.0123777

post anova t-test pairs after sorting the sample means in descending order

3,7

10,14

1 @ , \$ 231.284 @ , \$ 220.659 @ , \$ 239.503 @ , \$ 221.318 @ , \$ 245.562 @ , \$ 236.56 @ , \$ 232.987 @ , \$ 222.876  
@ , \$ 237.531 @ , \$ 226.985 @ , \$ 2 @ , \$ 228.4 @ , \$ 206.86 @ , \$ 213.235 @ , \$ 207.919 @ , \$ 210.657 @ , \$ 237.273 @ , \$ 213.187 @ , \$ 222.296 @ ,  
\$ 217.546 @ , \$ 227.629 @ , \$ 3 @ , \$ 147.29 @ , \$ 153.765 @ , \$ 144.559 @ , \$ 126.443 @ , \$ 140.028 @ , \$ 163.649 @ , \$ 153.618 @ , \$ 150.467  
@ , \$ 151.898 @ , \$ 137.345 @ , \$ 4 @ , \$ 143.575 @ , \$ 135.465 @ , \$ 143.739 @ , \$ 150.931 @ , \$ 155.864 @ , \$ 156.438 @ , \$ 162.081 @ , \$ 146.534  
@ , \$ 141.892 @ , \$ 157.84 @ , \$ 5 @ , \$ 225.936 @ , \$ 235.204 @ , \$ 227.34 @ , \$ 230.224 @ , \$ 242.543 @ , \$ 235.372 @ , \$ 248.929 @ , \$ 243.473  
@ , \$ 240.109 @ , \$ 236.683 @ , \$ 6 @ , \$ 40.1436 @ , \$ 49.0806 @ , \$ 52.3555 @ , \$ 49.7781 @ , \$ 42.6536 @ , \$ 69.661 @ , \$ 52.5876 @ , \$ 39.2938  
@ , \$ 39.8162 @ , \$ 49.5403 @ , \$ 7 @ , \$ 187.809 @ , \$ 169.387 @ , \$ 147.78 @ , \$ 181.466 @ , \$ 166.279 @ , \$ 180.197 @ , \$ 166.687 @ , \$ 183.629  
@ , \$ 179.993 @ , \$ 165.338 @ , \$ 8 @ , \$ 61.5402 @ , \$ 63.4241 @ , \$ 64.9203 @ , \$ 65.2926 @ , \$ 83.0099 @ , \$ 73.6388 @ , \$ 67.3405 @ , \$ 66.3015  
@ , \$ 63.0018 @ , \$ 60.106 @ , \$ 9 @ , \$ 124.041 @ , \$ 94.4293 @ , \$ 111.361 @ , \$ 103.571 @ , \$ 107.186 @ , \$ 117.537 @ , \$ 117.712 @ , \$ 119.53  
@ , \$ 109.571 @ , \$ 121.537 @ , \$ 10 @ , \$ 206.165 @ , \$ 182.947 @ , \$ 201.486 @ , \$ 208.957 @ , \$ 206.975 @ , \$ 227.746 @ , \$ 198.034 @ , \$  
200.135 @ , \$ 205.583 @ , \$ 196.99 @ , \$ 11 @ , \$ 251.107 @ , \$ 250.332 @ , \$ 264.073 @ , \$ 241.484 @ , \$ 248.601 @ , \$ 253.855 @ , \$ 244.227 @ , \$  
256.726 @ , \$ 254.233 @ , \$ 240.105 @ , \$ 12 @ , \$ 162.568 @ , \$ 152.275 @ , \$ 160.434 @ , \$ 167.336 @ , \$ 148.177 @ , \$ 147.134 @ , \$ 162.829 @ , \$  
168.531 @ , \$ 160.672 @ , \$ 160.686 @ , \$ 13 @ , \$ 170.545 @ , \$ 180.236 @ , \$ 185.088 @ , \$ 173.455 @ , \$ 171.661 @ , \$ 175.247 @ , \$ 179.43 @ , \$ 177.461  
@ , \$ 177.845 @ , \$ 182.39 @ , \$ 14 @ , \$ 221.495 @ , \$ 213.108 @ , \$ 244.51 @ , \$ 213.06 @ , \$ 207.798 @ , \$ 225.869 @ , \$ 221.029 @ , \$ 219.615  
@ , \$ 214.803 @ , \$ 211.267 @ , \$ 15 @ , \$ 136.53 @ , \$ 132.192 @ , \$ 127.426 @ , \$ 134.205 @ , \$ 132.468 @ , \$ 155.239 @ , \$ 139.629 @ , \$ 134.063  
@ , \$ 137.04 @ , \$ 129.81 @ , \$

## BS21B021

Alpha = 0.0190489

post anova t-test pairs after sorting the sample means in descending order

3,4

9,14

1 @ , \$ 180.366 @ , \$ 169.879 @ , \$ 187.497 @ , \$ 175.487 @ , \$ 191.158 @ , \$ 183.224 @ , \$ 188.9 @ , \$ 188.043 @ ,  
\$ 182.258 @ , \$ 179.773 @ , \$

2 @, \$ 242.224 @, \$ 236.847 @, \$ 243.177 @, \$ 232.892 @, \$ 238.958 @, \$ 244.647 @, \$ 234.401 @, \$ 240.383 @, \$ 239.293 @, \$ 232.847 @, \$ 3 @, \$ 128.894 @, \$ 127.402 @, \$ 115.929 @, \$ 128.838 @, \$ 127.526 @, \$ 101.807 @, \$ 116.457 @, \$ 106.091 @, \$ 111.934 @, \$ 110.714 @, \$ 4 @, \$ 180.438 @, \$ 166.102 @, \$ 183.071 @, \$ 178.258 @, \$ 190.282 @, \$ 205.291 @, \$ 186.315 @, \$ 167.819 @, \$ 172.261 @, \$ 187.291 @, \$ 5 @, \$ 260.095 @, \$ 236.066 @, \$ 250.724 @, \$ 238.937 @, \$ 250.399 @, \$ 261.516 @, \$ 248.808 @, \$ 238.375 @, \$ 243.34 @, \$ 249.545 @, \$ 6 @, \$ 148.605 @, \$ 138.272 @, \$ 164.923 @, \$ 134.535 @, \$ 134.269 @, \$ 161.011 @, \$ 140.718 @, \$ 158.25 @, \$ 144.108 @, \$ 146.437 @, \$ 7 @, \$ 268.006 @, \$ 268.315 @, \$ 266.244 @, \$ 266.051 @, \$ 268.587 @, \$ 269.977 @, \$ 267.673 @, \$ 267.683 @, \$ 268.503 @, \$ 268.826 @, \$ 8 @, \$ 203.367 @, \$ 190.133 @, \$ 204.201 @, \$ 187.607 @, \$ 192.922 @, \$ 218.207 @, \$ 200.323 @, \$ 188.513 @, \$ 182.025 @, \$ 200.011 @, \$ 9 @, \$ 239.386 @, \$ 231.813 @, \$ 226.802 @, \$ 232.715 @, \$ 234.202 @, \$ 252.369 @, \$ 230.902 @, \$ 241.05 @, \$ 227.158 @, \$ 231.498 @, \$ 10 @, \$ 195.066 @, \$ 195.009 @, \$ 200.213 @, \$ 192.419 @, \$ 194.575 @, \$ 208.691 @, \$ 194.63 @, \$ 191.364 @, \$ 197.348 @, \$ 194.03 @, \$ 11 @, \$ 301.685 @, \$ 292.845 @, \$ 308.527 @, \$ 295.487 @, \$ 277.277 @, \$ 317.353 @, \$ 293.384 @, \$ 290.277 @, \$ 289.431 @, \$ 299.613 @, \$ 12 @, \$ 234.346 @, \$ 219.897 @, \$ 221.19 @, \$ 224.031 @, \$ 221.134 @, \$ 224.36 @, \$ 225.034 @, \$ 220.221 @, \$ 226.136 @, \$ 230.902 @, \$ 13 @, \$ 203.557 @, \$ 217.343 @, \$ 217.84 @, \$ 215.044 @, \$ 212.747 @, \$ 231.867 @, \$ 192.914 @, \$ 197.541 @, \$ 221.494 @, \$ 208.611 @, \$ 14 @, \$ 110.248 @, \$ 90.0479 @, \$ 104.661 @, \$ 109.988 @, \$ 110.687 @, \$ 127.262 @, \$ 113.653 @, \$ 110.337 @, \$ 108.625 @, \$ 100.927 @, \$ 15 @, \$ 107.669 @, \$ 95.3616 @, \$ 96.1047 @, \$ 121.484 @, \$ 105.008 @, \$ 128.358 @, \$ 123.203 @, \$ 100.79 @, \$ 113.093 @, \$ 93.6381 @, \$

BS21B022

Alpha = 0.0951697

post anova t-test pairs after sorting the sample means in descending order

1,4

9,14

1 @, \$ 51.4404 @, \$ 49.4274 @, \$ 49.3961 @, \$ 48.985 @, \$ 41.73 @, \$ 56.1305 @, \$ 52.2309 @, \$ 54.8862 @, \$ 49.8015 @, \$ 58.1902 @, \$ 2 @, \$ 45.5541 @, \$ 40.5587 @, \$ 25.3529 @, \$ 39.6634 @, \$ 43.7984 @, \$ 33.4635 @, \$ 27.673 @, \$ 53.7062 @, \$ 31.7342 @, \$ 56.4121 @, \$ 3 @, \$ 260.905 @, \$ 265.169 @, \$ 265.71 @, \$ 263.811 @, \$ 262.307 @, \$ 283.42 @, \$ 259.6 @, \$ 268.801 @, \$ 258.633 @, \$ 259.917 @, \$ 4 @, \$ 108.122 @, \$ 104.909 @, \$ 115.501 @, \$ 110.424 @, \$ 107.965 @, \$ 123.521 @, \$ 92.5994 @, \$ 98.2241 @, \$ 95.9357 @, \$ 108.772 @, \$ 5 @, \$ 38.8934 @, \$ 44.4992 @, \$ 57.4603 @, \$ 42.2557 @, \$ 56.7357 @, \$ 61.1454 @, \$ 43.9883 @, \$ 55.5342 @, \$ 52.4571 @, \$ 47.7472 @, \$ 6 @, \$ 200.541 @, \$ 195.527 @, \$ 197.18 @, \$ 195.941 @, \$ 202.621 @, \$ 205.644 @, \$ 201.564 @, \$ 200.189 @, \$ 197.387 @, \$ 193.92 @, \$ 7 @, \$ 277.132 @, \$ 252.626 @, \$ 257.874 @, \$ 261.402 @, \$ 273.741 @, \$ 257.625 @, \$ 260.959 @, \$ 264.866 @, \$ 257.785 @, \$ 252.009 @, \$ 8 @, \$ 299.894 @, \$ 301.301 @, \$ 305.569 @, \$ 293.368 @, \$ 296.618 @, \$ 318.269 @, \$ 300.036 @, \$ 299.15 @, \$ 302.212 @, \$ 302.272 @, \$ 9 @, \$ 214.812 @, \$ 221.795 @, \$ 222.721 @, \$ 226.596 @, \$ 220.998 @, \$ 229.661 @, \$ 215.788 @, \$ 216.237 @, \$ 234.55 @, \$ 219.681 @, \$ 10 @, \$ 214.469 @, \$ 204.041 @, \$ 227.052 @, \$ 200.768 @, \$ 211.329 @, \$ 226.192 @, \$ 217.7 @, \$ 214.19 @

, \$ 214.144 @ , \$ 208.355 @ , \$  
11 @ , \$ 158.129 @ , \$ 182.419 @ , \$ 179.562 @ , \$ 178.996 @ , \$ 169.892 @ , \$ 171.045 @ , \$ 164.349 @ , \$  
168.489 @ , \$ 176.643 @ , \$ 185.185 @ , \$  
12 @ , \$ 137.373 @ , \$ 123.011 @ , \$ 130.12 @ , \$ 127.919 @ , \$ 135.022 @ , \$ 155.121 @ , \$ 143.986 @ , \$ 134.123  
@ , \$ 134.975 @ , \$ 139.894 @ , \$  
13 @ , \$ 296.449 @ , \$ 292.062 @ , \$ 296.853 @ , \$ 299.181 @ , \$ 294.699 @ , \$ 307.325 @ , \$ 296.91 @ , \$ 301.211  
@ , \$ 296.26 @ , \$ 297.663 @ , \$  
14 @ , \$ 154.784 @ , \$ 143.169 @ , \$ 140.933 @ , \$ 157.144 @ , \$ 143.776 @ , \$ 153.588 @ , \$ 142.877 @ , \$  
147.354 @ , \$ 150.922 @ , \$ 143.591 @ , \$  
15 @ , \$ 24.6937 @ , \$ 6.98714 @ , \$ 39.4976 @ , \$ 1.79692 @ , \$ 14.7879 @ , \$ 27.1701 @ , \$ -0.873795 @ , \$  
26.8339 @ , \$ 10.9885 @ , \$ 21.9058 @ , \$

#### BS21B023

Alpha = 0.0754689

post anova t-test pairs after sorting the sample means in descending order

2,7

10,15

1 @ , \$ 205.01 @ , \$ 200.737 @ , \$ 211.969 @ , \$ 190.678 @ , \$ 193.036 @ , \$ 194.596 @ , \$ 219.513 @ , \$ 186.606  
@ , \$ 195.586 @ , \$ 194.719 @ , \$  
2 @ , \$ 198.18 @ , \$ 198.512 @ , \$ 203.465 @ , \$ 203.297 @ , \$ 199.601 @ , \$ 196.363 @ , \$ 204.124 @ , \$ 203.88 @  
, \$ 203.254 @ , \$ 203.759 @ , \$  
3 @ , \$ 293.123 @ , \$ 283.112 @ , \$ 292.78 @ , \$ 290.677 @ , \$ 293.304 @ , \$ 289.977 @ , \$ 289.518 @ , \$ 293.236  
@ , \$ 285.847 @ , \$ 287.104 @ , \$  
4 @ , \$ 17.3748 @ , \$ 13.8993 @ , \$ 18.3572 @ , \$ 17.7604 @ , \$ 17.1813 @ , \$ 17.4353 @ , \$ 26.0623 @ , \$ 16.9865  
@ , \$ 20.1197 @ , \$ 22.6132 @ , \$  
5 @ , \$ 131.743 @ , \$ 127.463 @ , \$ 129.548 @ , \$ 121.832 @ , \$ 132.532 @ , \$ 140.238 @ , \$ 139.973 @ , \$ 122.749  
@ , \$ 131.869 @ , \$ 116.381 @ , \$  
6 @ , \$ 182.094 @ , \$ 189.752 @ , \$ 186.023 @ , \$ 192.772 @ , \$ 181.775 @ , \$ 193.052 @ , \$ 188.067 @ , \$ 195.999  
@ , \$ 183.763 @ , \$ 189.758 @ , \$  
7 @ , \$ 218.999 @ , \$ 226.695 @ , \$ 216.516 @ , \$ 221.479 @ , \$ 225.36 @ , \$ 227.104 @ , \$ 234.68 @ , \$ 226.133 @  
, \$ 226.765 @ , \$ 223.259 @ , \$  
8 @ , \$ 219.209 @ , \$ 212.582 @ , \$ 210.187 @ , \$ 212.959 @ , \$ 209.008 @ , \$ 223.66 @ , \$ 220.125 @ , \$ 219.468  
@ , \$ 218.778 @ , \$ 222.531 @ , \$  
9 @ , \$ 295.642 @ , \$ 293.918 @ , \$ 298.018 @ , \$ 295.478 @ , \$ 285.41 @ , \$ 312.879 @ , \$ 279.078 @ , \$ 289.481  
@ , \$ 297.469 @ , \$ 293.193 @ , \$  
10 @ , \$ 131.227 @ , \$ 131.626 @ , \$ 133.382 @ , \$ 132.039 @ , \$ 135.319 @ , \$ 133.764 @ , \$ 135.896 @ , \$  
134.075 @ , \$ 130.735 @ , \$ 131.964 @ , \$  
11 @ , \$ 173.411 @ , \$ 172.764 @ , \$ 179.561 @ , \$ 186.252 @ , \$ 160.96 @ , \$ 173.53 @ , \$ 170.652 @ , \$ 161.858  
@ , \$ 168.475 @ , \$ 185.056 @ , \$  
12 @ , \$ 251.473 @ , \$ 239.604 @ , \$ 246.781 @ , \$ 244.764 @ , \$ 253.298 @ , \$ 261.797 @ , \$ 246.404 @ , \$  
248.738 @ , \$ 241.887 @ , \$ 235.3 @ , \$  
13 @ , \$ 255.308 @ , \$ 252.298 @ , \$ 244.889 @ , \$ 247.877 @ , \$ 245.716 @ , \$ 272.865 @ , \$ 258.099 @ , \$ 261.82  
@ , \$ 251.56 @ , \$ 249.084 @ , \$  
14 @ , \$ 209.89 @ , \$ 200.384 @ , \$ 215.224 @ , \$ 211.885 @ , \$ 207.628 @ , \$ 208.14 @ , \$ 207.371 @ , \$ 218.942  
@ , \$ 221.015 @ , \$ 211.432 @ , \$  
15 @ , \$ 91.3566 @ , \$ 81.5817 @ , \$ 117.15 @ , \$ 84.9669 @ , \$ 91.8516 @ , \$ 92.5474 @ , \$ 107.827 @ , \$ 81.4972  
@ , \$ 97.3323 @ , \$ 87.606 @ , \$

#### BS21B025

Alpha = 0.0364963

post anova t-test pairs after sorting the sample means in descending order

2,4

12,13

1 @ , \$ 12.375 @ , \$ 20.6362 @ , \$ 13.2295 @ , \$ 14.8333 @ , \$ 11.2309 @ , \$ 32.6348 @ , \$ 19.0245 @ , \$ 17.2788 @ , \$ 6.33846 @ , \$ 12.3683 @ , \$ 2 @ , \$ 126.413 @ , \$ 134.07 @ , \$ 122.346 @ , \$ 127.066 @ , \$ 137.451 @ , \$ 134.668 @ , \$ 142.675 @ , \$ 126.664 @ , \$ 121.122 @ , \$ 141.325 @ , \$ 3 @ , \$ 272.84 @ , \$ 280.617 @ , \$ 271.588 @ , \$ 265.907 @ , \$ 268.83 @ , \$ 287.133 @ , \$ 289.352 @ , \$ 288.048 @ , \$ 278.143 @ , \$ 275.59 @ , \$ 4 @ , \$ 224.345 @ , \$ 211.984 @ , \$ 217.688 @ , \$ 224.603 @ , \$ 229.268 @ , \$ 242.56 @ , \$ 226.34 @ , \$ 222.205 @ , \$ 239.894 @ , \$ 235.76 @ , \$ 5 @ , \$ 271.123 @ , \$ 265.617 @ , \$ 266.999 @ , \$ 267.917 @ , \$ 272.409 @ , \$ 291.686 @ , \$ 264.944 @ , \$ 265.976 @ , \$ 264.921 @ , \$ 268.308 @ , \$ 6 @ , \$ 235.79 @ , \$ 251.316 @ , \$ 262.685 @ , \$ 241.052 @ , \$ 254.818 @ , \$ 276.57 @ , \$ 267.024 @ , \$ 253.712 @ , \$ 254.727 @ , \$ 250.847 @ , \$ 7 @ , \$ 292.48 @ , \$ 290.283 @ , \$ 290.605 @ , \$ 286.337 @ , \$ 287.502 @ , \$ 299.002 @ , \$ 290.296 @ , \$ 282.361 @ , \$ 293.378 @ , \$ 288.775 @ , \$ 8 @ , \$ 228.779 @ , \$ 243.32 @ , \$ 231.221 @ , \$ 238.226 @ , \$ 229.601 @ , \$ 247.58 @ , \$ 236.19 @ , \$ 232.152 @ , \$ 232.498 @ , \$ 248.81 @ , \$ 9 @ , \$ 176.426 @ , \$ 183.143 @ , \$ 173.703 @ , \$ 171.31 @ , \$ 183.943 @ , \$ 178.577 @ , \$ 161.463 @ , \$ 170.711 @ , \$ 186.652 @ , \$ 172.691 @ , \$ 10 @ , \$ 215.632 @ , \$ 211.218 @ , \$ 199.183 @ , \$ 208.451 @ , \$ 216.541 @ , \$ 254.831 @ , \$ 207.331 @ , \$ 204.197 @ , \$ 231.313 @ , \$ 215.278 @ , \$ 11 @ , \$ 52.3855 @ , \$ 43.42 @ , \$ 52.658 @ , \$ 41.6546 @ , \$ 36.9257 @ , \$ 65.0805 @ , \$ 42.1404 @ , \$ 53.2344 @ , \$ 40.6221 @ , \$ 53.0234 @ , \$ 12 @ , \$ 266.447 @ , \$ 261.22 @ , \$ 270.739 @ , \$ 267.456 @ , \$ 253.95 @ , \$ 272.551 @ , \$ 263.435 @ , \$ 279.302 @ , \$ 259.629 @ , \$ 262.874 @ , \$ 13 @ , \$ 101.016 @ , \$ 105.633 @ , \$ 87.957 @ , \$ 103.451 @ , \$ 100.569 @ , \$ 138.36 @ , \$ 95.5383 @ , \$ 103.838 @ , \$ 98.931 @ , \$ 96.189 @ , \$ 14 @ , \$ 119.931 @ , \$ 116.61 @ , \$ 135.368 @ , \$ 129.423 @ , \$ 114.927 @ , \$ 144.961 @ , \$ 131.657 @ , \$ 121.095 @ , \$ 127.859 @ , \$ 111.537 @ , \$ 15 @ , \$ 230.796 @ , \$ 239.978 @ , \$ 205.086 @ , \$ 230.248 @ , \$ 222.979 @ , \$ 230.571 @ , \$ 225.025 @ , \$ 233.486 @ , \$ 242.968 @ , \$ 230.371 @ , \$

BS21B026

Alpha = 0.0675712

post anova t-test pairs after sorting the sample means in descending order

3,4

10,14

1 @ , \$ 177.552 @ , \$ 177.169 @ , \$ 179.544 @ , \$ 184.257 @ , \$ 176.048 @ , \$ 187.818 @ , \$ 177.911 @ , \$ 175.801 @ , \$ 179.018 @ , \$ 178.673 @ , \$ 2 @ , \$ 118.546 @ , \$ 121.533 @ , \$ 116.475 @ , \$ 108.308 @ , \$ 108.837 @ , \$ 132.342 @ , \$ 111.871 @ , \$ 117.19 @ , \$ 116.684 @ , \$ 98.0504 @ , \$ 3 @ , \$ 196.689 @ , \$ 189.752 @ , \$ 174.092 @ , \$ 194.021 @ , \$ 187.537 @ , \$ 199.938 @ , \$ 192.762 @ , \$ 177.552 @ , \$ 192.979 @ , \$ 175.445 @ , \$ 4 @ , \$ 124.768 @ , \$ 99.5056 @ , \$ 120.898 @ , \$ 107.862 @ , \$ 126.421 @ , \$ 136.985 @ , \$ 118.552 @ , \$ 111.971 @ , \$ 98.3257 @ , \$ 122.373 @ , \$ 5 @ , \$ 159.577 @ , \$ 140.402 @ , \$ 154.044 @ , \$ 147.025 @ , \$ 134.677 @ , \$ 167.974 @ , \$ 149.846 @ , \$ 161.88 @ , \$ 132.214 @ , \$ 157.403 @ , \$ 6 @ , \$ 41.5374 @ , \$ 29.3284 @ , \$ 40.3994 @ , \$ 31.4466 @ , \$ 36.9318 @ , \$ 60.9511 @ , \$ 31.187 @ , \$ 42.0818 @ , \$ 37.1786 @ , \$ 38.7299 @ , \$ 7 @ , \$ 154.684 @ , \$ 149.873 @ , \$ 146.973 @ , \$ 151.768 @ , \$ 142.433 @ , \$ 156.83 @ , \$ 157.071 @ , \$ 138.22 @ , \$ 140.574 @ , \$ 147.798 @ , \$ 8 @ , \$ 79.1898 @ , \$ 73.2938 @ , \$ 74.5476 @ , \$ 71.5044 @ , \$ 75.5688 @ , \$ 78.8385 @ , \$ 72.46 @ , \$ 77.9436 @ , \$ 73.9464 @ , \$ 67.2646 @ , \$

9 @ , \$ 241.393 @ , \$ 243.909 @ , \$ 250.13 @ , \$ 252.952 @ , \$ 255.12 @ , \$ 244.421 @ , \$ 237.468 @ , \$ 253.453 @ , \$ 237.928 @ , \$ 244.752 @ , \$ 10 @ , \$ 109.201 @ , \$ 135.863 @ , \$ 128.663 @ , \$ 122.689 @ , \$ 120.003 @ , \$ 115.535 @ , \$ 103.05 @ , \$ 119.363 @ , \$ 120.924 @ , \$ 112.16 @ , \$ 11 @ , \$ 236.977 @ , \$ 227.476 @ , \$ 234.762 @ , \$ 216.581 @ , \$ 224.965 @ , \$ 254.054 @ , \$ 225.745 @ , \$ 235.479 @ , \$ 239.581 @ , \$ 244.07 @ , \$ 12 @ , \$ 112.253 @ , \$ 97.7996 @ , \$ 116.444 @ , \$ 106.027 @ , \$ 117.337 @ , \$ 134.623 @ , \$ 121.976 @ , \$ 120.061 @ , \$ 101.645 @ , \$ 112.505 @ , \$ 13 @ , \$ 7.47048 @ , \$ -1.83336 @ , \$ 4.12709 @ , \$ -14.0724 @ , \$ 7.82297 @ , \$ 13.7096 @ , \$ -1.30663 @ , \$ 15.1917 @ , \$ -11.933 @ , \$ -7.8324 @ , \$ 14 @ , \$ 262.752 @ , \$ 256.556 @ , \$ 265.761 @ , \$ 275.498 @ , \$ 264.374 @ , \$ 264.636 @ , \$ 260.332 @ , \$ 265.094 @ , \$ 243.22 @ , \$ 266.632 @ , \$ 15 @ , \$ 184.689 @ , \$ 210.42 @ , \$ 193.187 @ , \$ 206.535 @ , \$ 202.715 @ , \$ 219.488 @ , \$ 196.212 @ , \$ 207.701 @ , \$ 215.125 @ , \$ 207.971 @ , \$

BS21B027

Alpha = 0.0245038

post anova t-test pairs after sorting the sample means in descending order

3,4

11,14

1 @ , \$ 128.125 @ , \$ 130.913 @ , \$ 127.633 @ , \$ 126.499 @ , \$ 124.234 @ , \$ 142.102 @ , \$ 124.931 @ , \$ 140.433 @ , \$ 123.137 @ , \$ 126.14 @ , \$ 2 @ , \$ 278.565 @ , \$ 280.669 @ , \$ 264.046 @ , \$ 262.747 @ , \$ 285.369 @ , \$ 280.887 @ , \$ 280.684 @ , \$ 255.892 @ , \$ 254.365 @ , \$ 269.828 @ , \$ 3 @ , \$ 67.2071 @ , \$ 76.3335 @ , \$ 69.9142 @ , \$ 74.847 @ , \$ 70.8335 @ , \$ 66.5486 @ , \$ 59.3798 @ , \$ 70.4884 @ , \$ 74.6371 @ , \$ 75.8197 @ , \$ 4 @ , \$ 145.541 @ , \$ 145.557 @ , \$ 145.586 @ , \$ 146.648 @ , \$ 144.894 @ , \$ 167.47 @ , \$ 145.518 @ , \$ 145.858 @ , \$ 145.842 @ , \$ 146.006 @ , \$ 5 @ , \$ 160.121 @ , \$ 163.442 @ , \$ 149.558 @ , \$ 160.202 @ , \$ 148.377 @ , \$ 151.305 @ , \$ 154.676 @ , \$ 134.638 @ , \$ 165.438 @ , \$ 168.132 @ , \$ 6 @ , \$ 228.827 @ , \$ 237.612 @ , \$ 229.992 @ , \$ 230.562 @ , \$ 245.913 @ , \$ 246.566 @ , \$ 245.03 @ , \$ 223.234 @ , \$ 224.021 @ , \$ 229.626 @ , \$ 7 @ , \$ 255.718 @ , \$ 267.233 @ , \$ 251.701 @ , \$ 261.98 @ , \$ 265.5 @ , \$ 281.474 @ , \$ 264.138 @ , \$ 261.036 @ , \$ 250.13 @ , \$ 262.512 @ , \$ 8 @ , \$ 261.298 @ , \$ 270.762 @ , \$ 259.051 @ , \$ 263.232 @ , \$ 278.513 @ , \$ 277.903 @ , \$ 271.366 @ , \$ 265.531 @ , \$ 259.791 @ , \$ 259.263 @ , \$ 9 @ , \$ 37.847 @ , \$ 49.069 @ , \$ 45.1609 @ , \$ 56.5339 @ , \$ 33.791 @ , \$ 49.1911 @ , \$ 45.4565 @ , \$ 58.3201 @ , \$ 35.7955 @ , \$ 52.0658 @ , \$ 10 @ , \$ 41.7043 @ , \$ 43.8542 @ , \$ 24.0492 @ , \$ 37.1782 @ , \$ 40.0308 @ , \$ 38.7825 @ , \$ 20.0979 @ , \$ 28.9333 @ , \$ 32.2276 @ , \$ 42.583 @ , \$ 11 @ , \$ 56.0593 @ , \$ 43.9564 @ , \$ 39.8162 @ , \$ 40.3074 @ , \$ 30.779 @ , \$ 57.4119 @ , \$ 51.3152 @ , \$ 40.3383 @ , \$ 40.4428 @ , \$ 56.2142 @ , \$ 12 @ , \$ 63.8059 @ , \$ 66.5961 @ , \$ 63.2955 @ , \$ 60.7458 @ , \$ 67.2938 @ , \$ 84.5631 @ , \$ 66.0709 @ , \$ 61.6333 @ , \$ 60.5139 @ , \$ 61.7771 @ , \$ 13 @ , \$ 129.35 @ , \$ 125.327 @ , \$ 125.544 @ , \$ 127.003 @ , \$ 125.773 @ , \$ 130.81 @ , \$ 124.235 @ , \$ 126.446 @ , \$ 127.201 @ , \$ 127.77 @ , \$ 14 @ , \$ 24.6085 @ , \$ 9.98675 @ , \$ 11.912 @ , \$ 12.4291 @ , \$ 5.4659 @ , \$ 6.79681 @ , \$ 10.8701 @ , \$ 23.3038 @ , \$ 1.68163 @ , \$ 16.0183 @ , \$ 15 @ , \$ 275.089 @ , \$ 264.144 @ , \$ 282.196 @ , \$ 279.768 @ , \$ 276.674 @ , \$ 287.689 @ , \$ 275.754 @ , \$ 282.267 @ , \$ 264.541 @ , \$ 272.015 @ , \$

BS21B028

Alpha = 0.0382292

post anova t-test pairs after sorting the sample means in descending order

1,8

11,15

1 @ , \$ 255.042 @ , \$ 260.059 @ , \$ 255.337 @ , \$ 238.688 @ , \$ 267.962 @ , \$ 265.561 @ , \$ 252.528 @ , \$ 248.951 @ , \$ 257.372 @ , \$ 245.387 @ , \$  
2 @ , \$ 114.642 @ , \$ 114.089 @ , \$ 113.615 @ , \$ 113.888 @ , \$ 114.892 @ , \$ 120.403 @ , \$ 113.793 @ , \$ 114.724 @ , \$ 114.592 @ , \$ 113.99 @ , \$  
3 @ , \$ 103.971 @ , \$ 114.376 @ , \$ 101.357 @ , \$ 106.442 @ , \$ 97.0272 @ , \$ 112.222 @ , \$ 98.7528 @ , \$ 107.534 @ , \$ 114.628 @ , \$ 115.631 @ , \$  
4 @ , \$ 32.3834 @ , \$ 42.3482 @ , \$ 37.8942 @ , \$ 34.2397 @ , \$ 28.8406 @ , \$ 48.3782 @ , \$ 29.0769 @ , \$ 31.1375 @ , \$ 25.015 @ , \$ 27.0567 @ , \$  
5 @ , \$ 110.77 @ , \$ 109.652 @ , \$ 114.752 @ , \$ 123.161 @ , \$ 116.019 @ , \$ 106.78 @ , \$ 105.548 @ , \$ 116.319 @ , \$ 113.609 @ , \$ 115.531 @ , \$  
6 @ , \$ 134.547 @ , \$ 135.089 @ , \$ 127.28 @ , \$ 135.401 @ , \$ 137.948 @ , \$ 120.226 @ , \$ 133.813 @ , \$ 135.918 @ , \$ 134.038 @ , \$ 135.684 @ , \$  
7 @ , \$ 107.29 @ , \$ 98.8288 @ , \$ 102.415 @ , \$ 105.962 @ , \$ 105.199 @ , \$ 115.221 @ , \$ 104.924 @ , \$ 102.018 @ , \$ 98.145 @ , \$ 102.71 @ , \$  
8 @ , \$ 159.613 @ , \$ 159.9 @ , \$ 143.471 @ , \$ 144.183 @ , \$ 149.515 @ , \$ 194.168 @ , \$ 168.079 @ , \$ 138.314 @ , \$ 170.391 @ , \$ 147.594 @ , \$  
9 @ , \$ 210.774 @ , \$ 209.262 @ , \$ 208.552 @ , \$ 210.626 @ , \$ 208.587 @ , \$ 216.493 @ , \$ 207.583 @ , \$ 208.148 @ , \$ 208.758 @ , \$ 208.789 @ , \$  
10 @ , \$ 214.41 @ , \$ 217.721 @ , \$ 216.344 @ , \$ 221.463 @ , \$ 214.767 @ , \$ 225.663 @ , \$ 219.254 @ , \$ 218.676 @ , \$ 220.426 @ , \$ 206.642 @ , \$  
11 @ , \$ 115.461 @ , \$ 112.672 @ , \$ 116.427 @ , \$ 114.389 @ , \$ 115.567 @ , \$ 127.65 @ , \$ 116.18 @ , \$ 114.079 @ , \$ 108.274 @ , \$ 110.797 @ , \$  
12 @ , \$ 120.43 @ , \$ 105.468 @ , \$ 112.784 @ , \$ 103.729 @ , \$ 114.866 @ , \$ 113.223 @ , \$ 106.325 @ , \$ 107.964 @ , \$ 122.249 @ , \$ 107.764 @ , \$  
13 @ , \$ 28.3984 @ , \$ 34.3873 @ , \$ 27.9103 @ , \$ 34.9547 @ , \$ 34.6526 @ , \$ 34.8585 @ , \$ 37.8096 @ , \$ 37.8554 @ , \$ 33.7331 @ , \$ 36.3945 @ , \$  
14 @ , \$ 174.757 @ , \$ 175.323 @ , \$ 174.2 @ , \$ 176.433 @ , \$ 174.242 @ , \$ 193.342 @ , \$ 174.307 @ , \$ 174.048 @ , \$ 166.341 @ , \$ 173.775 @ , \$  
15 @ , \$ 100.777 @ , \$ 116.41 @ , \$ 107.095 @ , \$ 108.089 @ , \$ 118.284 @ , \$ 134.327 @ , \$ 92.5919 @ , \$ 111.768 @ , \$ 104.293 @ , \$ 117.677 @ , \$

BS21B029

Alpha = 0.0640661

post anova t-test pairs after sorting the sample means in descending order

1,4

11,15

1 @ , \$ 63.7151 @ , \$ 74.6927 @ , \$ 66.1519 @ , \$ 72.5276 @ , \$ 73.5712 @ , \$ 84.6591 @ , \$ 70.5872 @ , \$ 64.3453 @ , \$ 70.53 @ , \$ 72.9618 @ , \$  
2 @ , \$ 133.277 @ , \$ 119.757 @ , \$ 140.475 @ , \$ 120.486 @ , \$ 137.628 @ , \$ 155.196 @ , \$ 141.625 @ , \$ 133.192 @ , \$ 113.778 @ , \$ 131.624 @ , \$  
3 @ , \$ 170.307 @ , \$ 173.538 @ , \$ 167.578 @ , \$ 176.352 @ , \$ 155.725 @ , \$ 189.39 @ , \$ 171.841 @ , \$ 171.642 @ , \$ 182.554 @ , \$ 164.577 @ , \$  
4 @ , \$ 264.392 @ , \$ 258.337 @ , \$ 266.308 @ , \$ 267.103 @ , \$ 276.999 @ , \$ 273.883 @ , \$ 258.361 @ , \$ 252.857 @ , \$ 262.487 @ , \$ 268.862 @ , \$  
5 @ , \$ 25.8174 @ , \$ 37.1843 @ , \$ 31.2504 @ , \$ 29.0372 @ , \$ 34.2592 @ , \$ 45.0652 @ , \$ 33.5882 @ , \$ 27.3678 @ , \$ 31.3454 @ , \$ 33.2342 @ , \$  
6 @ , \$ 34.2666 @ , \$ 23.476 @ , \$ 37.7229 @ , \$ 36.9419 @ , \$ 29.3957 @ , \$ 39.0889 @ , \$ 41.5089 @ , \$ 36.1893 @ , \$ 31.4011 @ , \$ 43.6883 @ , \$  
7 @ , \$ 47.0619 @ , \$ 51.7399 @ , \$ 64.6427 @ , \$ 59.0083 @ , \$ 53.3451 @ , \$ 52.9181 @ , \$ 62.9047 @ , \$ 48.6139

@, \$ 64.6189 @, \$ 51.7792 @, \$ 8 @, \$ 231.297 @, \$ 238.823 @, \$ 242.738 @, \$ 231.388 @, \$ 234.54 @, \$ 252.182 @, \$ 240.771 @, \$ 235.334 @, \$ 238.893 @, \$ 225.566 @, \$ 9 @, \$ 69.0975 @, \$ 73.1393 @, \$ 67.2026 @, \$ 70.4542 @, \$ 72.1894 @, \$ 77.7752 @, \$ 70.7952 @, \$ 69.5341 @, \$ 72.9247 @, \$ 75.0422 @, \$ 10 @, \$ 233.48 @, \$ 219.222 @, \$ 222.799 @, \$ 226.105 @, \$ 213.537 @, \$ 239.847 @, \$ 217.385 @, \$ 227.431 @, \$ 227.385 @, \$ 214.508 @, \$ 11 @, \$ 28.1692 @, \$ 29.3132 @, \$ 36.3197 @, \$ 30.0278 @, \$ 28.0565 @, \$ 35.5968 @, \$ 31.6779 @, \$ 29.8581 @, \$ 30.9851 @, \$ 27.3932 @, \$ 12 @, \$ 125.487 @, \$ 135.442 @, \$ 129.272 @, \$ 131.068 @, \$ 135.31 @, \$ 152.532 @, \$ 134.934 @, \$ 133.869 @, \$ 132.784 @, \$ 136.857 @, \$ 13 @, \$ 75.8904 @, \$ 75.8263 @, \$ 73.2022 @, \$ 72.4486 @, \$ 75.7336 @, \$ 77.7935 @, \$ 75.3264 @, \$ 75.7009 @, \$ 74.6148 @, \$ 75.27 @, \$ 14 @, \$ 33.6037 @, \$ 33.9529 @, \$ 11.4266 @, \$ 34.476 @, \$ 32.6926 @, \$ 37.8374 @, \$ 18.8668 @, \$ 29.4779 @, \$ 29.5261 @, \$ 41.6174 @, \$ 15 @, \$ 5.01614 @, \$ 17.5422 @, \$ 1.13559 @, \$ -9.97135 @, \$ 30.0687 @, \$ 52.977 @, \$ 9.05411 @, \$ 20.4366 @, \$ 34.8768 @, \$ 2.3748 @, \$

BS21B032

Alpha = 0.0112339

post anova t-test pairs after sorting the sample means in descending order

3,7

12,15

1 @, \$ 152.06 @, \$ 155.197 @, \$ 156.384 @, \$ 152.868 @, \$ 153.884 @, \$ 143.994 @, \$ 146.291 @, \$ 137.531 @, \$ 151.025 @, \$ 153.15 @, \$ 2 @, \$ 283.336 @, \$ 289.047 @, \$ 302.572 @, \$ 291.555 @, \$ 299.93 @, \$ 303.003 @, \$ 291.025 @, \$ 277.363 @, \$ 297.622 @, \$ 289.438 @, \$ 3 @, \$ 110.751 @, \$ 119.398 @, \$ 107.854 @, \$ 113.773 @, \$ 113.286 @, \$ 95.8003 @, \$ 109.878 @, \$ 120.248 @, \$ 116.848 @, \$ 112.06 @, \$ 4 @, \$ 274.126 @, \$ 263.42 @, \$ 269.544 @, \$ 270.163 @, \$ 273.577 @, \$ 257.982 @, \$ 268.45 @, \$ 265.209 @, \$ 261.422 @, \$ 263.568 @, \$ 5 @, \$ 190.519 @, \$ 190.614 @, \$ 193.129 @, \$ 190.005 @, \$ 190.806 @, \$ 201.401 @, \$ 190.752 @, \$ 191.796 @, \$ 194.561 @, \$ 191.911 @, \$ 6 @, \$ 19.018 @, \$ 15.8083 @, \$ 11.3432 @, \$ 18.6492 @, \$ 11.8165 @, \$ 23.7201 @, \$ 15.0253 @, \$ 18.6379 @, \$ 16.0725 @, \$ 15.3704 @, \$ 7 @, \$ 170.437 @, \$ 159.984 @, \$ 175.959 @, \$ 160.724 @, \$ 161.592 @, \$ 182.227 @, \$ 165.854 @, \$ 162.56 @, \$ 157.028 @, \$ 164.243 @, \$ 8 @, \$ 210.898 @, \$ 203.812 @, \$ 203.408 @, \$ 204.941 @, \$ 204.916 @, \$ 183.184 @, \$ 209.663 @, \$ 207.587 @, \$ 209.764 @, \$ 193.05 @, \$ 9 @, \$ 247.481 @, \$ 239.916 @, \$ 234.789 @, \$ 218.016 @, \$ 237.042 @, \$ 228.672 @, \$ 243.498 @, \$ 225.429 @, \$ 236.223 @, \$ 240.837 @, \$ 10 @, \$ 77.1299 @, \$ 93.058 @, \$ 105.896 @, \$ 72.6188 @, \$ 94.8777 @, \$ 116.361 @, \$ 104.646 @, \$ 90.7063 @, \$ 90.5734 @, \$ 90.6998 @, \$ 11 @, \$ 2.73521 @, \$ 3.03372 @, \$ 8.66785 @, \$ 12.6427 @, \$ 12.9768 @, \$ 25.4606 @, \$ 11.3602 @, \$ 22.6398 @, \$ 13.9693 @, \$ 21.1126 @, \$ 12 @, \$ 149.689 @, \$ 151.804 @, \$ 152.479 @, \$ 147.326 @, \$ 150.889 @, \$ 172.68 @, \$ 147.747 @, \$ 147.737 @, \$ 147.336 @, \$ 150.182 @, \$ 13 @, \$ 151.987 @, \$ 173.613 @, \$ 159.439 @, \$ 168.621 @, \$ 152.54 @, \$ 188.821 @, \$ 164.339 @, \$ 155.366 @, \$ 155.214 @, \$ 159.106 @, \$ 14 @, \$ 51.3615 @, \$ 60.1441 @, \$ 44.4301 @, \$ 56.2059 @, \$ 50.573 @, \$ 57.116 @, \$ 58.9696 @, \$ 53.9848 @, \$ 53.4315 @, \$ 56.1607 @, \$ 15 @, \$ 5.59102 @, \$ 2.62125 @, \$ 5.9156 @, \$ 2.37225 @, \$ 9.83344 @, \$ 26.4765 @, \$ 5.79983 @, \$ 3.61444 @, \$ 4.79119 @, \$ 6.70891 @, \$

BS21B033

Alpha = 0.0269521

post anova t-test pairs after sorting the sample means in descending order

3,5

10,15

1 @ , \$ 197.495 @ , \$ 191.685 @ , \$ 196.516 @ , \$ 191.693 @ , \$ 187.002 @ , \$ 216.158 @ , \$ 186.656 @ , \$ 192.774 @ , \$ 182.583 @ , \$ 193.844 @ , \$  
2 @ , \$ 257.83 @ , \$ 274.77 @ , \$ 271.879 @ , \$ 275.234 @ , \$ 281.087 @ , \$ 280.697 @ , \$ 247.613 @ , \$ 275.755 @ , \$ 268.82 @ , \$ 263.936 @ , \$  
3 @ , \$ 267.069 @ , \$ 254.389 @ , \$ 275.716 @ , \$ 281.741 @ , \$ 279.274 @ , \$ 280.304 @ , \$ 262.431 @ , \$ 261.569 @ , \$ 276.768 @ , \$ 265.988 @ , \$  
4 @ , \$ 180.812 @ , \$ 184.795 @ , \$ 187.263 @ , \$ 194.71 @ , \$ 189.666 @ , \$ 174.679 @ , \$ 197.665 @ , \$ 190.769 @ , \$ 196.292 @ , \$ 168.796 @ , \$  
5 @ , \$ 185.438 @ , \$ 182.992 @ , \$ 186.278 @ , \$ 191.838 @ , \$ 185.52 @ , \$ 202.912 @ , \$ 192.523 @ , \$ 183.745 @ , \$ 191.74 @ , \$ 186.744 @ , \$  
6 @ , \$ 221.144 @ , \$ 218.054 @ , \$ 221.92 @ , \$ 226.296 @ , \$ 229.13 @ , \$ 223.48 @ , \$ 220.27 @ , \$ 219.68 @ , \$ 220.876 @ , \$ 227.361 @ , \$  
7 @ , \$ 35.6137 @ , \$ 34.4254 @ , \$ 35.7058 @ , \$ 37.7594 @ , \$ 32.4535 @ , \$ 53.0889 @ , \$ 32.0495 @ , \$ 32.7201 @ , \$ 35.7007 @ , \$ 34.3009 @ , \$  
8 @ , \$ 34.803 @ , \$ 36.4206 @ , \$ 30.4443 @ , \$ 32.6142 @ , \$ 32.8634 @ , \$ 49.0803 @ , \$ 26.4256 @ , \$ 27.7242 @ , \$ 33.219 @ , \$ 24.7511 @ , \$  
9 @ , \$ 301.071 @ , \$ 290.354 @ , \$ 292.726 @ , \$ 293.518 @ , \$ 278.807 @ , \$ 295.89 @ , \$ 295.437 @ , \$ 281.004 @ , \$ 281.424 @ , \$ 290.843 @ , \$  
10 @ , \$ 69.7818 @ , \$ 57.2232 @ , \$ 56.7106 @ , \$ 73.0154 @ , \$ 72.1866 @ , \$ 80.0106 @ , \$ 58.8685 @ , \$ 62.6137 @ , \$ 70.4755 @ , \$ 67.4671 @ , \$  
11 @ , \$ 239.162 @ , \$ 243.704 @ , \$ 241.11 @ , \$ 234.847 @ , \$ 240.774 @ , \$ 256.864 @ , \$ 236.801 @ , \$ 239.404 @ , \$ 245.625 @ , \$ 240.844 @ , \$  
12 @ , \$ 243.601 @ , \$ 237.371 @ , \$ 228.222 @ , \$ 238.122 @ , \$ 235.396 @ , \$ 272.098 @ , \$ 243.839 @ , \$ 238.733 @ , \$ 234.445 @ , \$ 240.428 @ , \$  
13 @ , \$ 191.141 @ , \$ 189.02 @ , \$ 191.066 @ , \$ 195.337 @ , \$ 193.054 @ , \$ 210.255 @ , \$ 189.315 @ , \$ 198.058 @ , \$ 192.879 @ , \$ 192.057 @ , \$  
14 @ , \$ 241.628 @ , \$ 236.943 @ , \$ 239.075 @ , \$ 238.204 @ , \$ 245.12 @ , \$ 244.097 @ , \$ 249.195 @ , \$ 258.923 @ , \$ 248.434 @ , \$ 262.428 @ , \$  
15 @ , \$ 105.565 @ , \$ 109.183 @ , \$ 107.935 @ , \$ 114.746 @ , \$ 106.613 @ , \$ 130.558 @ , \$ 118.439 @ , \$ 114.88 @ , \$ 119.197 @ , \$ 113.092 @ , \$

BS21B034

Alpha = 0.0260159

post anova t-test pairs after sorting the sample means in descending order

2,5

12,13

1 @ , \$ 270.28 @ , \$ 268.851 @ , \$ 269.811 @ , \$ 267.811 @ , \$ 270.662 @ , \$ 274.109 @ , \$ 268.24 @ , \$ 270.324 @ , \$ 268.241 @ , \$ 269.713 @ , \$  
2 @ , \$ 234.501 @ , \$ 246.758 @ , \$ 241.994 @ , \$ 250.499 @ , \$ 242.425 @ , \$ 243.662 @ , \$ 247.994 @ , \$ 249.623 @ , \$ 237.283 @ , \$ 242.924 @ , \$  
3 @ , \$ 10.6406 @ , \$ 6.51179 @ , \$ -5.46569 @ , \$ 12.1503 @ , \$ -1.95976 @ , \$ 1.80074 @ , \$ 0.977936 @ , \$ -0.868882 @ , \$ -3.15629 @ , \$ 12.5587 @ , \$  
4 @ , \$ 216.497 @ , \$ 206.412 @ , \$ 213.921 @ , \$ 213.046 @ , \$ 206.957 @ , \$ 217.354 @ , \$ 216.27 @ , \$ 214.431 @ , \$ 212.614 @ , \$ 215.491 @ , \$  
5 @ , \$ 65.6064 @ , \$ 63.7155 @ , \$ 56.2267 @ , \$ 81.7864 @ , \$ 88.3095 @ , \$ 60.8682 @ , \$ 79.1571 @ , \$ 58.7405 @ , \$ 57.8169 @ , \$ 66.8719 @ , \$

6 @, \$ 274.538 @, \$ 264.126 @, \$ 265.69 @, \$ 268.577 @, \$ 264.929 @, \$ 286.553 @, \$ 267.156 @, \$ 267.54 @, \$ 279.634 @, \$ 267.602 @, \$ 7 @, \$ 300.232 @, \$ 290.342 @, \$ 283.439 @, \$ 272.056 @, \$ 286.977 @, \$ 290.739 @, \$ 293.028 @, \$ 296.858 @, \$ 295.966 @, \$ 274.658 @, \$ 8 @, \$ 110.057 @, \$ 90.2622 @, \$ 99.1027 @, \$ 98.3463 @, \$ 89.9762 @, \$ 114.396 @, \$ 87.2429 @, \$ 105.997 @, \$ 101.065 @, \$ 102.363 @, \$ 9 @, \$ 295.302 @, \$ 286.857 @, \$ 293.963 @, \$ 294.3 @, \$ 288.961 @, \$ 318.766 @, \$ 285.27 @, \$ 280.365 @, \$ 299.59 @, \$ 290.504 @, \$ 10 @, \$ 44.7885 @, \$ 65.8599 @, \$ 42.3339 @, \$ 29.7324 @, \$ 58.293 @, \$ 50.6072 @, \$ 62.0364 @, \$ 54.4326 @, \$ 55.3073 @, \$ 41.9062 @, \$ 11 @, \$ 131.277 @, \$ 131.57 @, \$ 132.308 @, \$ 130.786 @, \$ 130.683 @, \$ 144.281 @, \$ 131.511 @, \$ 132.335 @, \$ 130.195 @, \$ 130.928 @, \$ 12 @, \$ 237.372 @, \$ 250.717 @, \$ 245.471 @, \$ 244.825 @, \$ 243.325 @, \$ 253.377 @, \$ 245.355 @, \$ 242.697 @, \$ 242.821 @, \$ 246.346 @, \$ 13 @, \$ 49.524 @, \$ 57.8417 @, \$ 51.9457 @, \$ 49.8593 @, \$ 69.0424 @, \$ 70.5144 @, \$ 51.7764 @, \$ 49.5116 @, \$ 51.3674 @, \$ 58.0815 @, \$ 14 @, \$ 239.119 @, \$ 238.611 @, \$ 237.571 @, \$ 239.218 @, \$ 240.439 @, \$ 250.092 @, \$ 238.722 @, \$ 238.198 @, \$ 236.52 @, \$ 237.645 @, \$ 15 @, \$ 249.84 @, \$ 249.232 @, \$ 246.466 @, \$ 266.76 @, \$ 254.658 @, \$ 256.195 @, \$ 244.711 @, \$ 247.471 @, \$ 252.192 @, \$ 246.475 @, \$

BS21B036

Alpha = 0.0547531

post anova t-test pairs after sorting the sample means in descending order

2,6

10,15

1 @, \$ 240.797 @, \$ 246.282 @, \$ 259.541 @, \$ 254.374 @, \$ 247.554 @, \$ 248.035 @, \$ 254.787 @, \$ 252.907 @, \$ 252.724 @, \$ 241.697 @, \$ 2 @, \$ 257.082 @, \$ 255.526 @, \$ 254.464 @, \$ 253.696 @, \$ 251.033 @, \$ 258.623 @, \$ 256.807 @, \$ 253.136 @, \$ 256.2 @, \$ 254.749 @, \$ 3 @, \$ 91.1206 @, \$ 115.906 @, \$ 102.809 @, \$ 88.0136 @, \$ 107.045 @, \$ 101.264 @, \$ 112.658 @, \$ 102.179 @, \$ 99.4577 @, \$ 109.055 @, \$ 4 @, \$ 67.9072 @, \$ 62.5416 @, \$ 62.8356 @, \$ 66.1258 @, \$ 66.1351 @, \$ 81.3279 @, \$ 69.0877 @, \$ 71.4924 @, \$ 66.723 @, \$ 69.9285 @, \$ 5 @, \$ 123.213 @, \$ 131.135 @, \$ 125.999 @, \$ 124.489 @, \$ 130.138 @, \$ 147.037 @, \$ 132.798 @, \$ 121.959 @, \$ 132.309 @, \$ 120.218 @, \$ 6 @, \$ 199.839 @, \$ 198.054 @, \$ 195.487 @, \$ 193.77 @, \$ 200.905 @, \$ 204.16 @, \$ 200.703 @, \$ 194.705 @, \$ 196.215 @, \$ 199.225 @, \$ 7 @, \$ 81.1807 @, \$ 70.8505 @, \$ 77.8806 @, \$ 64.5085 @, \$ 79.4748 @, \$ 72.0902 @, \$ 84.668 @, \$ 81.2202 @, \$ 69.522 @, \$ 56.5362 @, \$ 8 @, \$ 12.4279 @, \$ 26.0104 @, \$ 15.982 @, \$ -10.1665 @, \$ -2.56438 @, \$ 2.56702 @, \$ 13.4294 @, \$ -6.57524 @, \$ 5.7957 @, \$ 9.9943 @, \$ 9 @, \$ 250.081 @, \$ 248.959 @, \$ 245.422 @, \$ 248.046 @, \$ 244.875 @, \$ 261.019 @, \$ 251.484 @, \$ 247.112 @, \$ 261.924 @, \$ 253.755 @, \$ 10 @, \$ 51.308 @, \$ 58.1782 @, \$ 61.0144 @, \$ 44.6987 @, \$ 40.1048 @, \$ 80.0733 @, \$ 59.7131 @, \$ 67.9481 @, \$ 52.3547 @, \$ 52.7151 @, \$ 11 @, \$ 290.768 @, \$ 305.394 @, \$ 302.658 @, \$ 306.288 @, \$ 292.075 @, \$ 323.347 @, \$ 298.454 @, \$ 297.259 @, \$ 294.944 @, \$ 313.275 @, \$ 12 @, \$ 226.025 @, \$ 209.453 @, \$ 211.091 @, \$ 235.809 @, \$ 220.32 @, \$ 226.967 @, \$ 213.395 @, \$ 243.243 @, \$ 223.388 @, \$ 203.148 @, \$ 13 @, \$ 146.044 @, \$ 127.092 @, \$ 120.315 @, \$ 121.972 @, \$ 122.402 @, \$ 137.526 @, \$ 122.22 @, \$ 120.61 @, \$ 130.565 @, \$ 121.899 @, \$ 14 @, \$ 298.871 @, \$ 298.146 @, \$ 298.169 @, \$ 295.889 @, \$ 295.097 @, \$ 311.937 @, \$ 295.177 @, \$

297.639 @ , \$ 302.978 @ , \$ 293.53 @ , \$  
15 @ , \$ 275.963 @ , \$ 282.108 @ , \$ 288.564 @ , \$ 279.922 @ , \$ 282.67 @ , \$ 287.177 @ , \$ 277.42 @ , \$ 291.331  
@ , \$ 278.152 @ , \$ 276.425 @ , \$

### BS21B037

Alpha = 0.0455537

post anova t-test pairs after sorting the sample means in descending order

1,7

11,15

1 @ , \$ 287.509 @ , \$ 281.51 @ , \$ 288.687 @ , \$ 288.106 @ , \$ 282.606 @ , \$ 300.4 @ , \$ 283.894 @ , \$ 286.303 @ ,  
\$ 288.49 @ , \$ 299.339 @ , \$  
2 @ , \$ 275.886 @ , \$ 281.784 @ , \$ 256.11 @ , \$ 253.201 @ , \$ 251.612 @ , \$ 269.817 @ , \$ 281.518 @ , \$ 272.563  
@ , \$ 279.054 @ , \$ 263.338 @ , \$  
3 @ , \$ 92.7346 @ , \$ 104.292 @ , \$ 94.7417 @ , \$ 93.7068 @ , \$ 101.856 @ , \$ 93.2201 @ , \$ 94.4089 @ , \$ 96.6986  
@ , \$ 98.1526 @ , \$ 88.6225 @ , \$  
4 @ , \$ 254.193 @ , \$ 254.091 @ , \$ 257.736 @ , \$ 254.989 @ , \$ 254.027 @ , \$ 274.294 @ , \$ 254.978 @ , \$ 255.237  
@ , \$ 256.375 @ , \$ 255.643 @ , \$  
5 @ , \$ 11.9701 @ , \$ 13.9614 @ , \$ 9.46778 @ , \$ 14.8245 @ , \$ 14.2898 @ , \$ 20.8616 @ , \$ 16.1028 @ , \$ 13.1174  
@ , \$ 14.453 @ , \$ 14.2453 @ , \$  
6 @ , \$ 238.316 @ , \$ 250.743 @ , \$ 232.369 @ , \$ 224.585 @ , \$ 243.686 @ , \$ 258.959 @ , \$ 240.158 @ , \$ 237.139  
@ , \$ 225.604 @ , \$ 232.112 @ , \$  
7 @ , \$ 273.24 @ , \$ 255.124 @ , \$ 279.977 @ , \$ 278.433 @ , \$ 269.907 @ , \$ 271.241 @ , \$ 282.26 @ , \$ 275.576 @ ,  
\$ 273.278 @ , \$ 259.998 @ , \$  
8 @ , \$ 248.605 @ , \$ 258.046 @ , \$ 258.741 @ , \$ 258.16 @ , \$ 256.301 @ , \$ 248.774 @ , \$ 250.032 @ , \$ 249.46 @ ,  
\$ 252.903 @ , \$ 262.613 @ , \$  
9 @ , \$ 34.1287 @ , \$ 29.4999 @ , \$ 41.0643 @ , \$ 22.748 @ , \$ 25.8192 @ , \$ 53.7683 @ , \$ 37.8766 @ , \$ 16.9043  
@ , \$ 31.2834 @ , \$ 23.0317 @ , \$  
10 @ , \$ 198.508 @ , \$ 195.122 @ , \$ 196.239 @ , \$ 183.746 @ , \$ 203.898 @ , \$ 204.23 @ , \$ 206.796 @ , \$ 190.086  
@ , \$ 204.377 @ , \$ 195.916 @ , \$  
11 @ , \$ 56.313 @ , \$ 39.7649 @ , \$ 52.6358 @ , \$ 46.7221 @ , \$ 38.522 @ , \$ 50.7229 @ , \$ 34.7197 @ , \$ 35.0372  
@ , \$ 50.9187 @ , \$ 38.974 @ , \$  
12 @ , \$ 173.88 @ , \$ 173.557 @ , \$ 165.296 @ , \$ 172.47 @ , \$ 181.959 @ , \$ 168.42 @ , \$ 173.201 @ , \$ 170.089 @ ,  
\$ 169.578 @ , \$ 165.558 @ , \$  
13 @ , \$ 145.25 @ , \$ 129.37 @ , \$ 132.147 @ , \$ 147.912 @ , \$ 145.913 @ , \$ 154.019 @ , \$ 126.96 @ , \$ 133.781 @ ,  
\$ 132.906 @ , \$ 138.84 @ , \$  
14 @ , \$ 221.65 @ , \$ 222.719 @ , \$ 223.852 @ , \$ 225.259 @ , \$ 214.304 @ , \$ 238.978 @ , \$ 223.93 @ , \$ 221.18 @ ,  
\$ 215.837 @ , \$ 207.315 @ , \$  
15 @ , \$ 8.99198 @ , \$ 11.5177 @ , \$ 11.2057 @ , \$ 9.74661 @ , \$ 8.69619 @ , \$ 15.0661 @ , \$ 10.1716 @ , \$  
6.73693 @ , \$ 9.27813 @ , \$ 8.71594 @ , \$

### BS21B038

Alpha = 0.0492873

post anova t-test pairs after sorting the sample means in descending order

3,8

10,15

1 @ , \$ 67.9644 @ , \$ 65.7756 @ , \$ 67.5058 @ , \$ 66.3638 @ , \$ 66.7484 @ , \$ 76.7908 @ , \$ 66.8931 @ , \$ 66.1272  
@ , \$ 67.9567 @ , \$ 68.1408 @ , \$  
2 @ , \$ 79.7329 @ , \$ 72.6802 @ , \$ 74.7343 @ , \$ 71.33 @ , \$ 60.9888 @ , \$ 94.2696 @ , \$ 71.1924 @ , \$ 73.3449 @ ,  
\$ 67.5813 @ , \$ 63.5817 @ , \$  
3 @ , \$ 265.391 @ , \$ 253.626 @ , \$ 257.61 @ , \$ 252.125 @ , \$ 255.296 @ , \$ 261.9 @ , \$ 250.592 @ , \$ 266.45 @ , \$  
244.915 @ , \$ 258.638 @ , \$  
4 @ , \$ 270.564 @ , \$ 268.91 @ , \$ 262.858 @ , \$ 259.77 @ , \$ 284.006 @ , \$ 281.963 @ , \$ 258.358 @ , \$ 267.669 @

, \$ 271.714 @ , \$ 267.22 @ , \$ 5 @ , \$ 85.6641 @ , \$ 86.0037 @ , \$ 78.6533 @ , \$ 68.1334 @ , \$ 74.6655 @ , \$ 67.4354 @ , \$ 69.2592 @ , \$ 65.079 @ , \$ 73.3549 @ , \$ 84.8334 @ , \$ 6 @ , \$ 265.073 @ , \$ 265.063 @ , \$ 253.907 @ , \$ 255.401 @ , \$ 270.685 @ , \$ 277.11 @ , \$ 267.061 @ , \$ 260.953 @ , \$ 257.013 @ , \$ 274.661 @ , \$ 7 @ , \$ 210.121 @ , \$ 204.489 @ , \$ 202.134 @ , \$ 197.46 @ , \$ 178.042 @ , \$ 197.865 @ , \$ 185.652 @ , \$ 190.363 @ , \$ 191.476 @ , \$ 198.814 @ , \$ 8 @ , \$ 120.513 @ , \$ 106.504 @ , \$ 111.909 @ , \$ 91.363 @ , \$ 128.363 @ , \$ 133.745 @ , \$ 120.096 @ , \$ 120.807 @ , \$ 110.348 @ , \$ 120.915 @ , \$ 9 @ , \$ 268.37 @ , \$ 280.516 @ , \$ 275.346 @ , \$ 281.266 @ , \$ 269.415 @ , \$ 298.921 @ , \$ 271.97 @ , \$ 279.703 @ , \$ 268.752 @ , \$ 267.295 @ , \$ 10 @ , \$ 96.903 @ , \$ 97.0198 @ , \$ 94.5029 @ , \$ 96.092 @ , \$ 95.5411 @ , \$ 92.9657 @ , \$ 94.5205 @ , \$ 96.2154 @ , \$ 95.4489 @ , \$ 94.3278 @ , \$ 11 @ , \$ 49.2401 @ , \$ 52.8484 @ , \$ 50.8789 @ , \$ 42.3571 @ , \$ 44.3723 @ , \$ 61.328 @ , \$ 48.291 @ , \$ 53.4814 @ , \$ 53.0591 @ , \$ 50.8505 @ , \$ 12 @ , \$ 227.146 @ , \$ 230.111 @ , \$ 229.233 @ , \$ 225.948 @ , \$ 219.269 @ , \$ 235.258 @ , \$ 226.39 @ , \$ 226.864 @ , \$ 237.934 @ , \$ 233.197 @ , \$ 13 @ , \$ 16.6875 @ , \$ 48.2264 @ , \$ 26.9304 @ , \$ 7.49193 @ , \$ 28.6318 @ , \$ 35.7676 @ , \$ 28.7819 @ , \$ 20.5894 @ , \$ 27.3218 @ , \$ 20.1012 @ , \$ 14 @ , \$ 270.116 @ , \$ 255.474 @ , \$ 269.271 @ , \$ 256.78 @ , \$ 251.931 @ , \$ 278.131 @ , \$ 267.854 @ , \$ 274.325 @ , \$ 273.513 @ , \$ 271.916 @ , \$ 15 @ , \$ 110.736 @ , \$ 105.256 @ , \$ 109.271 @ , \$ 114.656 @ , \$ 116.293 @ , \$ 124.829 @ , \$ 117.909 @ , \$ 119.439 @ , \$ 116.09 @ , \$ 114.91 @ , \$

BS21B039

Alpha = 0.0203717

post anova t-test pairs after sorting the sample means in descending order

1,6

10,13

1 @ , \$ 115.579 @ , \$ 112.675 @ , \$ 115.281 @ , \$ 118.505 @ , \$ 108.438 @ , \$ 134.802 @ , \$ 116.495 @ , \$ 119.133 @ , \$ 108.594 @ , \$ 111.122 @ , \$ 2 @ , \$ 75.4982 @ , \$ 84.9466 @ , \$ 80.0632 @ , \$ 83.458 @ , \$ 83.6651 @ , \$ 92.9872 @ , \$ 81.2612 @ , \$ 77.6463 @ , \$ 83.2177 @ , \$ 82.9855 @ , \$ 3 @ , \$ 57.1436 @ , \$ 47.1969 @ , \$ 46.5676 @ , \$ 67.5627 @ , \$ 40.7193 @ , \$ 53.8853 @ , \$ 45.7476 @ , \$ 64.63 @ , \$ 51.7386 @ , \$ 29.09 @ , \$ 4 @ , \$ 29.4472 @ , \$ 27.9862 @ , \$ 29.7658 @ , \$ 30.6487 @ , \$ 31.457 @ , \$ 53.7914 @ , \$ 30.9995 @ , \$ 28.2964 @ , \$ 30.4154 @ , \$ 29.854 @ , \$ 5 @ , \$ 230.967 @ , \$ 238.366 @ , \$ 247.272 @ , \$ 221.945 @ , \$ 250.278 @ , \$ 270.889 @ , \$ 245.644 @ , \$ 248.213 @ , \$ 231.807 @ , \$ 233.102 @ , \$ 6 @ , \$ 72.8397 @ , \$ 73.7288 @ , \$ 66.325 @ , \$ 56.3175 @ , \$ 64.6744 @ , \$ 103.098 @ , \$ 63.0619 @ , \$ 68.0212 @ , \$ 73.7471 @ , \$ 78.5485 @ , \$ 7 @ , \$ 222.113 @ , \$ 217.912 @ , \$ 205.616 @ , \$ 205.092 @ , \$ 209.596 @ , \$ 228.853 @ , \$ 210.889 @ , \$ 209.499 @ , \$ 208.559 @ , \$ 208.722 @ , \$ 8 @ , \$ 82.3531 @ , \$ 96.3428 @ , \$ 69.4141 @ , \$ 93.5715 @ , \$ 77.8657 @ , \$ 99.7331 @ , \$ 70.8494 @ , \$ 85.6409 @ , \$ 103.058 @ , \$ 67.7054 @ , \$ 9 @ , \$ 25.5679 @ , \$ 30.4237 @ , \$ 21.6491 @ , \$ 36.8947 @ , \$ 21.2075 @ , \$ 32.4803 @ , \$ 33.3852 @ , \$ 13.3735 @ , \$ 42.1636 @ , \$ 29.8616 @ , \$ 10 @ , \$ 153.825 @ , \$ 128.871 @ , \$ 120.409 @ , \$ 148.943 @ , \$ 152.296 @ , \$ 172.572 @ , \$ 151.424 @ , \$ 135.151 @ , \$ 150.776 @ , \$ 131.963 @ , \$ 11 @ , \$ 76.9456 @ , \$ 56.9496 @ , \$ 81.5582 @ , \$ 71.4123 @ , \$ 58.241 @ , \$ 77.2951 @ , \$ 75.0543 @ , \$ 59.4724 @ , \$ 75.7573 @ , \$ 72.4409 @ , \$ 12 @ , \$ 137.195 @ , \$ 140.861 @ , \$ 146.688 @ , \$ 135.942 @ , \$ 149.039 @ , \$ 165.684 @ , \$ 135.608 @ , \$ 140.112 @ , \$ 138.03 @ , \$ 127.004 @ , \$

13 @ , \$ 144.841 @ , \$ 145.897 @ , \$ 150.972 @ , \$ 136.677 @ , \$ 141.187 @ , \$ 157.241 @ , \$ 151.476 @ , \$ 137.37  
@ , \$ 151.822 @ , \$ 135.545 @ , \$ 14 @ , \$ 114.742 @ , \$ 106.334 @ , \$ 103.996 @ , \$ 110.507 @ , \$ 99.5454 @ , \$ 127.944 @ , \$ 111.89 @ , \$ 118.181  
@ , \$ 119.528 @ , \$ 116.322 @ , \$ 15 @ , \$ 197.347 @ , \$ 199.186 @ , \$ 206.072 @ , \$ 191.673 @ , \$ 207.048 @ , \$ 191.318 @ , \$ 191.143 @ , \$  
190.999 @ , \$ 197.963 @ , \$ 208.122 @ , \$

#### BS21B040

Alpha = 0.0634571

post anova t-test pairs after sorting the sample means in descending order

1,6

10,14

1 @ , \$ 6.36639 @ , \$ 14.2301 @ , \$ 7.06296 @ , \$ 10.1131 @ , \$ 15.5645 @ , \$ 4.81849 @ , \$ 6.46234 @ , \$ 17.209  
@ , \$ 8.86583 @ , \$ 4.8978 @ , \$ 2 @ , \$ 150.447 @ , \$ 163.814 @ , \$ 155.899 @ , \$ 158.239 @ , \$ 153.513 @ , \$ 160.731 @ , \$ 147.25 @ , \$ 151.468  
@ , \$ 160.245 @ , \$ 144.944 @ , \$ 3 @ , \$ 23.7549 @ , \$ 12.6836 @ , \$ 8.51978 @ , \$ 28.4462 @ , \$ 23.6387 @ , \$ 4.34109 @ , \$ 12.1793 @ , \$ 3.65395  
@ , \$ 6.18878 @ , \$ 17.814 @ , \$ 4 @ , \$ 176.341 @ , \$ 179.962 @ , \$ 174.492 @ , \$ 183.015 @ , \$ 171.728 @ , \$ 184.77 @ , \$ 170.727 @ , \$ 175.922  
@ , \$ 170.618 @ , \$ 179.735 @ , \$ 5 @ , \$ 208.821 @ , \$ 227.339 @ , \$ 233.772 @ , \$ 217.66 @ , \$ 222.212 @ , \$ 237.549 @ , \$ 222.863 @ , \$ 228.423  
@ , \$ 239.385 @ , \$ 250.361 @ , \$ 6 @ , \$ 258.787 @ , \$ 253.937 @ , \$ 268.739 @ , \$ 268.915 @ , \$ 260.956 @ , \$ 274.199 @ , \$ 264.148 @ , \$ 256.23  
@ , \$ 262.951 @ , \$ 264.381 @ , \$ 7 @ , \$ 217.929 @ , \$ 214.453 @ , \$ 182.817 @ , \$ 196.703 @ , \$ 190.444 @ , \$ 198.048 @ , \$ 212.945 @ , \$ 198.209  
@ , \$ 208.463 @ , \$ 214.929 @ , \$ 8 @ , \$ 306.751 @ , \$ 320.131 @ , \$ 312.328 @ , \$ 302.864 @ , \$ 299.031 @ , \$ 313.95 @ , \$ 304.559 @ , \$ 313.526  
@ , \$ 269.091 @ , \$ 293.625 @ , \$ 9 @ , \$ 6.94023 @ , \$ 22.1989 @ , \$ 10.728 @ , \$ 11.4305 @ , \$ 13.6418 @ , \$ -2.42852 @ , \$ 7.60657 @ , \$ 10.6236  
@ , \$ 12.277 @ , \$ 14.2478 @ , \$ 10 @ , \$ 179.612 @ , \$ 199.929 @ , \$ 191.724 @ , \$ 201.351 @ , \$ 198.094 @ , \$ 206.16 @ , \$ 201.95 @ , \$ 207.531  
@ , \$ 195.376 @ , \$ 195.636 @ , \$ 11 @ , \$ 56.1334 @ , \$ 54.618 @ , \$ 58.5888 @ , \$ 32.4187 @ , \$ 43.9387 @ , \$ 67.2373 @ , \$ 34.4851 @ , \$ 50.2122  
@ , \$ 53.0747 @ , \$ 57.1592 @ , \$ 12 @ , \$ 83.088 @ , \$ 78.6407 @ , \$ 86.4094 @ , \$ 78.6878 @ , \$ 87.4646 @ , \$ 89.9494 @ , \$ 84.2683 @ , \$ 85.0821  
@ , \$ 79.1038 @ , \$ 81.0048 @ , \$ 13 @ , \$ 103.017 @ , \$ 106.341 @ , \$ 105.749 @ , \$ 107.62 @ , \$ 102.437 @ , \$ 118.045 @ , \$ 98.3351 @ , \$ 111.085  
@ , \$ 112.121 @ , \$ 107.419 @ , \$ 14 @ , \$ 281.139 @ , \$ 289.829 @ , \$ 279.225 @ , \$ 293.536 @ , \$ 275.867 @ , \$ 285.725 @ , \$ 278.291 @ , \$  
271.362 @ , \$ 270.854 @ , \$ 286.399 @ , \$ 15 @ , \$ 249.33 @ , \$ 247.964 @ , \$ 231.123 @ , \$ 241.061 @ , \$ 235.495 @ , \$ 254.344 @ , \$ 236.588 @ , \$ 242.934  
@ , \$ 239.104 @ , \$ 235.27 @ , \$

#### BS21B041

Alpha = 0.0365243

post anova t-test pairs after sorting the sample means in descending order

3,4

11,13

1 @ , \$ 87.7134 @ , \$ 86.6393 @ , \$ 90.9596 @ , \$ 87.8314 @ , \$ 87.8795 @ , \$ 92.4166 @ , \$ 86.9641 @ , \$ 86.8924  
@ , \$ 87.7444 @ , \$ 87.2099 @ , \$ 2 @ , \$ 107.284 @ , \$ 116.348 @ , \$ 104.377 @ , \$ 125.021 @ , \$ 97.8659 @ , \$ 130.972 @ , \$ 105.56 @ , \$ 99.5443  
@ , \$ 110.57 @ , \$ 116.973 @ , \$

3 @ , \$ 203.435 @ , \$ 216.898 @ , \$ 222.218 @ , \$ 226.113 @ , \$ 225.204 @ , \$ 224.695 @ , \$ 208.857 @ , \$ 210.8 @ , \$ 213.986 @ , \$ 220.235 @ , \$ 4 @ , \$ 15.152 @ , \$ 14.2247 @ , \$ 20.2465 @ , \$ 15.2412 @ , \$ 15.2648 @ , \$ 9.19206 @ , \$ 17.6911 @ , \$ 14.7282 @ , \$ 16.1411 @ , \$ 13.5744 @ , \$ 5 @ , \$ 4.3746 @ , \$ 13.4546 @ , \$ 9.51396 @ , \$ 8.65764 @ , \$ 12.281 @ , \$ 29.7208 @ , \$ 9.20117 @ , \$ 15.7686 @ , \$ 16.4522 @ , \$ 1.3828 @ , \$ 6 @ , \$ 242.279 @ , \$ 233.468 @ , \$ 235.936 @ , \$ 242.047 @ , \$ 243.068 @ , \$ 237.578 @ , \$ 223.712 @ , \$ 235.97 @ , \$ 239.522 @ , \$ 235.934 @ , \$ 7 @ , \$ 225.871 @ , \$ 234.234 @ , \$ 218.991 @ , \$ 236.704 @ , \$ 217.434 @ , \$ 241.125 @ , \$ 218.362 @ , \$ 229.241 @ , \$ 224.947 @ , \$ 216.117 @ , \$ 8 @ , \$ 191.096 @ , \$ 194.797 @ , \$ 191.696 @ , \$ 187.17 @ , \$ 192.507 @ , \$ 200.572 @ , \$ 203.69 @ , \$ 200.38 @ , \$ 205.784 @ , \$ 173.503 @ , \$ 9 @ , \$ 263.281 @ , \$ 264.146 @ , \$ 261.873 @ , \$ 264.26 @ , \$ 263.731 @ , \$ 284.897 @ , \$ 263.725 @ , \$ 262.997 @ , \$ 264.263 @ , \$ 263.511 @ , \$ 10 @ , \$ 100.748 @ , \$ 93.1407 @ , \$ 93.0315 @ , \$ 101.676 @ , \$ 95.154 @ , \$ 114.854 @ , \$ 95.4513 @ , \$ 102.404 @ , \$ 100.874 @ , \$ 93.4415 @ , \$ 11 @ , \$ 179.266 @ , \$ 182.96 @ , \$ 186.337 @ , \$ 170.39 @ , \$ 189.456 @ , \$ 198.091 @ , \$ 184.511 @ , \$ 186.741 @ , \$ 184.637 @ , \$ 191.996 @ , \$ 12 @ , \$ 71.6682 @ , \$ 71.9056 @ , \$ 78.1645 @ , \$ 58.1064 @ , \$ 41.8137 @ , \$ 86.3059 @ , \$ 46.1476 @ , \$ 69.2299 @ , \$ 50.1311 @ , \$ 45.0587 @ , \$ 13 @ , \$ 79.6133 @ , \$ 70.1804 @ , \$ 82.2867 @ , \$ 75.8882 @ , \$ 84.2514 @ , \$ 82.7918 @ , \$ 79.6978 @ , \$ 81.8841 @ , \$ 82.334 @ , \$ 89.55 @ , \$ 14 @ , \$ 164.825 @ , \$ 165.134 @ , \$ 161.882 @ , \$ 161.768 @ , \$ 161.27 @ , \$ 174.081 @ , \$ 160.117 @ , \$ 166.465 @ , \$ 166.835 @ , \$ 163.814 @ , \$ 15 @ , \$ 116.633 @ , \$ 101.795 @ , \$ 120.527 @ , \$ 109.566 @ , \$ 104.24 @ , \$ 97.9038 @ , \$ 109.798 @ , \$ 113.453 @ , \$ 116.925 @ , \$ 116.542 @ , \$

## CE19B005

Alpha = 0.0879855

post anova t-test pairs after sorting the sample means in descending order

3,7

11,13

1 @ , \$ 280.741 @ , \$ 277.962 @ , \$ 283.644 @ , \$ 276.304 @ , \$ 278.789 @ , \$ 284.606 @ , \$ 277.058 @ , \$ 274.034 @ , \$ 279.119 @ , \$ 274.457 @ , \$ 2 @ , \$ 269.044 @ , \$ 263.02 @ , \$ 257.029 @ , \$ 263.301 @ , \$ 262.537 @ , \$ 293.03 @ , \$ 267.142 @ , \$ 264.671 @ , \$ 262.576 @ , \$ 267.22 @ , \$ 3 @ , \$ 30.3423 @ , \$ 23.5013 @ , \$ 28.2652 @ , \$ 24.1835 @ , \$ 27.0914 @ , \$ 60.4725 @ , \$ 27.3408 @ , \$ 22.2834 @ , \$ 23.4982 @ , \$ 23.538 @ , \$ 4 @ , \$ 289.019 @ , \$ 303.688 @ , \$ 302.111 @ , \$ 304.447 @ , \$ 302.22 @ , \$ 333.277 @ , \$ 304.251 @ , \$ 292.92 @ , \$ 306.974 @ , \$ 288.349 @ , \$ 5 @ , \$ 137.508 @ , \$ 147.874 @ , \$ 145.459 @ , \$ 135.32 @ , \$ 134.891 @ , \$ 145.511 @ , \$ 147.735 @ , \$ 137.78 @ , \$ 137.19 @ , \$ 138.091 @ , \$ 6 @ , \$ 47.1067 @ , \$ 11.6516 @ , \$ 34.7527 @ , \$ 49.8753 @ , \$ 40.5196 @ , \$ 58.6657 @ , \$ 38.0165 @ , \$ 40.7215 @ , \$ 42.7111 @ , \$ 47.5156 @ , \$ 7 @ , \$ 261.667 @ , \$ 253.828 @ , \$ 228.843 @ , \$ 254.654 @ , \$ 259.008 @ , \$ 230.402 @ , \$ 255.381 @ , \$ 247.094 @ , \$ 248.824 @ , \$ 237.051 @ , \$ 8 @ , \$ 262.305 @ , \$ 255.178 @ , \$ 248.438 @ , \$ 250.148 @ , \$ 259.129 @ , \$ 282.365 @ , \$ 254.716 @ , \$ 255.744 @ , \$ 257.895 @ , \$ 255.344 @ , \$ 9 @ , \$ 194.743 @ , \$ 178.059 @ , \$ 187.269 @ , \$ 188.568 @ , \$ 190.801 @ , \$ 196.864 @ , \$ 184.672 @ , \$ 181.722 @ , \$ 182.126 @ , \$ 187.458 @ , \$ 10 @ , \$ 212.195 @ , \$ 237.385 @ , \$ 213.963 @ , \$ 226.769 @ , \$ 232.435 @ , \$ 246.546 @ , \$ 228.006 @ , \$ 229.228 @ , \$ 232.37 @ , \$ 220.633 @ , \$ 11 @ , \$ 59.7514 @ , \$ 57.9577 @ , \$ 62.153 @ , \$ 53.014 @ , \$ 53.3935 @ , \$ 59.2128 @ , \$ 54.1173 @ , \$ 69.6619

@ , \$ 61.1094 @ , \$ 55.3816 @ , \$  
12 @ , \$ 125.661 @ , \$ 123.574 @ , \$ 123.597 @ , \$ 122.161 @ , \$ 130.932 @ , \$ 133.275 @ , \$ 123.245 @ , \$  
134.493 @ , \$ 135.134 @ , \$ 132.145 @ , \$  
13 @ , \$ 127.059 @ , \$ 134.948 @ , \$ 122.046 @ , \$ 113.099 @ , \$ 126.62 @ , \$ 139.982 @ , \$ 141.057 @ , \$ 135.208  
@ , \$ 117.58 @ , \$ 124.505 @ , \$  
14 @ , \$ 95.1969 @ , \$ 104.074 @ , \$ 110.675 @ , \$ 87.6951 @ , \$ 101.176 @ , \$ 116.132 @ , \$ 90.9378 @ , \$  
92.7193 @ , \$ 95.8715 @ , \$ 96.1142 @ , \$  
15 @ , \$ 279.588 @ , \$ 282.51 @ , \$ 283.492 @ , \$ 285.035 @ , \$ 283.861 @ , \$ 306.868 @ , \$ 276.82 @ , \$ 283.924  
@ , \$ 277.701 @ , \$ 281.818 @ , \$

## CE19B006

Alpha = 0.0899252

post anova t-test pairs after sorting the sample means in descending order

1,7

10,15

1 @ , \$ 211.425 @ , \$ 205.417 @ , \$ 206.004 @ , \$ 207.586 @ , \$ 202.454 @ , \$ 224.184 @ , \$ 211.577 @ , \$ 206.515  
@ , \$ 207.319 @ , \$ 208.575 @ , \$  
2 @ , \$ 108.514 @ , \$ 98.8022 @ , \$ 100.28 @ , \$ 101.328 @ , \$ 104.171 @ , \$ 107.201 @ , \$ 109.57 @ , \$ 102.947 @  
, \$ 108.296 @ , \$ 102.943 @ , \$  
3 @ , \$ 186.599 @ , \$ 194.343 @ , \$ 188.934 @ , \$ 180.029 @ , \$ 194.485 @ , \$ 215.794 @ , \$ 200.223 @ , \$ 195.552  
@ , \$ 190.627 @ , \$ 204.587 @ , \$  
4 @ , \$ 20.2087 @ , \$ 22.3411 @ , \$ 32.2118 @ , \$ 39.2363 @ , \$ 39.1191 @ , \$ 24.943 @ , \$ 33.7023 @ , \$ 27.0381  
@ , \$ 42.7355 @ , \$ 30.5177 @ , \$  
5 @ , \$ 5.42417 @ , \$ 7.47613 @ , \$ 17.292 @ , \$ 23.2173 @ , \$ 11.7124 @ , \$ 32.2583 @ , \$ 6.6012 @ , \$ 2.8021 @ ,  
\$ 5.94268 @ , \$ 4.29049 @ , \$  
6 @ , \$ 195.22 @ , \$ 191.703 @ , \$ 186.244 @ , \$ 198.306 @ , \$ 188.397 @ , \$ 224.412 @ , \$ 190.513 @ , \$ 199.679  
@ , \$ 185.246 @ , \$ 184.509 @ , \$  
7 @ , \$ 216.912 @ , \$ 206.59 @ , \$ 220.524 @ , \$ 188.25 @ , \$ 205.368 @ , \$ 233.366 @ , \$ 214.361 @ , \$ 201.743 @  
, \$ 208.389 @ , \$ 200.062 @ , \$  
8 @ , \$ 265.045 @ , \$ 262.599 @ , \$ 262.159 @ , \$ 271.964 @ , \$ 265.038 @ , \$ 289.807 @ , \$ 237.535 @ , \$ 249.268  
@ , \$ 253.773 @ , \$ 264.781 @ , \$  
9 @ , \$ 229.943 @ , \$ 241.962 @ , \$ 248.521 @ , \$ 252.733 @ , \$ 245.36 @ , \$ 249.559 @ , \$ 237.877 @ , \$ 227.765  
@ , \$ 244.077 @ , \$ 249.261 @ , \$  
10 @ , \$ 50.0392 @ , \$ 50.4082 @ , \$ 51.644 @ , \$ 55.4542 @ , \$ 44.8044 @ , \$ 63.273 @ , \$ 72.9149 @ , \$ 46.6259  
@ , \$ 60.8987 @ , \$ 55.0524 @ , \$  
11 @ , \$ 192.169 @ , \$ 200.33 @ , \$ 194.49 @ , \$ 190.776 @ , \$ 196.845 @ , \$ 197.14 @ , \$ 197.405 @ , \$ 196.191 @  
, \$ 195.921 @ , \$ 193.236 @ , \$  
12 @ , \$ 160.632 @ , \$ 171.136 @ , \$ 163.807 @ , \$ 169.284 @ , \$ 156.182 @ , \$ 174.199 @ , \$ 154.903 @ , \$  
162.445 @ , \$ 160.727 @ , \$ 172.04 @ , \$  
13 @ , \$ 77.7124 @ , \$ 77.7076 @ , \$ 84.0161 @ , \$ 78.1833 @ , \$ 75.6094 @ , \$ 92.3125 @ , \$ 80.3213 @ , \$ 63.812  
@ , \$ 75.8811 @ , \$ 54.1782 @ , \$  
14 @ , \$ 29.8167 @ , \$ 30.5567 @ , \$ 21.132 @ , \$ 32.5154 @ , \$ 42.0196 @ , \$ 39.1319 @ , \$ 29.5452 @ , \$ 33.5589  
@ , \$ 35.4422 @ , \$ 23.0753 @ , \$  
15 @ , \$ 219.806 @ , \$ 218.429 @ , \$ 216.12 @ , \$ 211.519 @ , \$ 216.263 @ , \$ 239.393 @ , \$ 218.021 @ , \$ 220.968  
@ , \$ 216.623 @ , \$ 223.57 @ , \$

## CE19B009

Alpha = 0.0736314

post anova t-test pairs after sorting the sample means in descending order

3,5

11,15

1 @ , \$ 113.52 @ , \$ 97.3739 @ , \$ 111.333 @ , \$ 105.948 @ , \$ 109.924 @ , \$ 114.437 @ , \$ 110.705 @ , \$ 102.905

@, \$ 108.293 @, \$ 110.932 @, \$  
2 @, \$ 223.724 @, \$ 216.811 @, \$ 216.401 @, \$ 211.705 @, \$ 216.448 @, \$ 216.635 @, \$ 228.407 @, \$ 212.783  
@, \$ 223.076 @, \$ 212.273 @, \$  
3 @, \$ 289.991 @, \$ 289.174 @, \$ 290.097 @, \$ 288.731 @, \$ 288.741 @, \$ 304.275 @, \$ 287.885 @, \$ 286.765  
@, \$ 289.163 @, \$ 288.351 @, \$  
4 @, \$ 194.744 @, \$ 192.796 @, \$ 183.292 @, \$ 189.346 @, \$ 189.066 @, \$ 213.62 @, \$ 193.768 @, \$ 196.159  
@, \$ 186.855 @, \$ 191.429 @, \$  
5 @, \$ 97.3316 @, \$ 101.239 @, \$ 99.0074 @, \$ 88.3305 @, \$ 81.7225 @, \$ 106.834 @, \$ 82.2693 @, \$ 81.4777  
@, \$ 101.711 @, \$ 105.359 @, \$  
6 @, \$ 172.694 @, \$ 168.584 @, \$ 163.007 @, \$ 178.075 @, \$ 170.097 @, \$ 166.138 @, \$ 160.385 @, \$ 140.735  
@, \$ 171.867 @, \$ 173.676 @, \$  
7 @, \$ 179.384 @, \$ 177.036 @, \$ 182.691 @, \$ 175.629 @, \$ 176.026 @, \$ 183.393 @, \$ 167.474 @, \$ 165.204  
@, \$ 181.332 @, \$ 175.496 @, \$  
8 @, \$ 292.953 @, \$ 292.744 @, \$ 293.298 @, \$ 292.661 @, \$ 291.833 @, \$ 302.44 @, \$ 292.593 @, \$ 293.184  
@, \$ 292.853 @, \$ 292.906 @, \$  
9 @, \$ 72.258 @, \$ 78.8477 @, \$ 71.2154 @, \$ 69.4146 @, \$ 77.1299 @, \$ 115.288 @, \$ 82.8043 @, \$ 74.6896  
@, \$ 71.1169 @, \$ 76.2308 @, \$  
10 @, \$ 72.9385 @, \$ 70.3398 @, \$ 73.3012 @, \$ 77.1997 @, \$ 70.0753 @, \$ 62.567 @, \$ 71.4207 @, \$ 74.7232  
@, \$ 70.6849 @, \$ 71.8533 @, \$  
11 @, \$ 160.724 @, \$ 161.943 @, \$ 155.542 @, \$ 182.996 @, \$ 167.668 @, \$ 159.176 @, \$ 172.642 @, \$  
159.309 @, \$ 166.742 @, \$ 154.816 @, \$  
12 @, \$ 296.893 @, \$ 304.161 @, \$ 293.045 @, \$ 293.381 @, \$ 292.429 @, \$ 292.412 @, \$ 290.792 @, \$  
295.761 @, \$ 291.252 @, \$ 295.276 @, \$  
13 @, \$ 176.458 @, \$ 171.742 @, \$ 167.287 @, \$ 174.178 @, \$ 177.475 @, \$ 183.737 @, \$ 164.237 @, \$  
170.374 @, \$ 168.948 @, \$ 167.443 @, \$  
14 @, \$ 51.0373 @, \$ 51.9196 @, \$ 85.1982 @, \$ 76.0103 @, \$ 67.0806 @, \$ 62.5794 @, \$ 63.8507 @, \$  
50.5647 @, \$ 74.7518 @, \$ 78.7305 @, \$  
15 @, \$ 37.5805 @, \$ 35.6721 @, \$ 38.2555 @, \$ 40.9423 @, \$ 43.4819 @, \$ 50.7909 @, \$ 39.0982 @, \$  
44.2082 @, \$ 56.145 @, \$ 45.4735 @, \$

CE19B010

Alpha = 0.0949243

post anova t-test pairs after sorting the sample means in descending order

1,4

10,15

1 @, \$ 76.3771 @, \$ 77.0561 @, \$ 76.9633 @, \$ 74.6041 @, \$ 75.074 @, \$ 76.6493 @, \$ 76.574 @, \$ 76.7475 @,  
\$ 76.0648 @, \$ 73.6803 @, \$  
2 @, \$ 38.132 @, \$ 46.8929 @, \$ 40.1579 @, \$ 49.7247 @, \$ 51.5238 @, \$ 61.2269 @, \$ 41.6032 @, \$ 51.2112  
@, \$ 26.0233 @, \$ 41.6788 @, \$  
3 @, \$ 153.624 @, \$ 143.136 @, \$ 152.47 @, \$ 155.377 @, \$ 147.748 @, \$ 161.194 @, \$ 133.232 @, \$ 154.955  
@, \$ 153.254 @, \$ 159.019 @, \$  
4 @, \$ 225.783 @, \$ 253.503 @, \$ 233.441 @, \$ 233.341 @, \$ 248.374 @, \$ 271.634 @, \$ 250.25 @, \$ 238.916  
@, \$ 260.723 @, \$ 238.069 @, \$  
5 @, \$ 223.929 @, \$ 227.113 @, \$ 230.345 @, \$ 222.546 @, \$ 230.963 @, \$ 246.88 @, \$ 235.375 @, \$ 235.422  
@, \$ 227.919 @, \$ 231.534 @, \$  
6 @, \$ 15.9503 @, \$ 34.3274 @, \$ 10.5822 @, \$ 42.553 @, \$ 31.3523 @, \$ 49.0308 @, \$ 21.4687 @, \$ 34.846 @,  
\$ 29.5028 @, \$ 21.2604 @, \$  
7 @, \$ 93.4618 @, \$ 84.2463 @, \$ 87.2027 @, \$ 83.9785 @, \$ 82.9379 @, \$ 102.738 @, \$ 81.1359 @, \$ 91.6941  
@, \$ 91.3121 @, \$ 83.8366 @, \$  
8 @, \$ 288.876 @, \$ 285.773 @, \$ 299.711 @, \$ 286.86 @, \$ 305.537 @, \$ 296.587 @, \$ 308.261 @, \$ 274.477  
@, \$ 280.908 @, \$ 280.092 @, \$  
9 @, \$ 216.305 @, \$ 203.207 @, \$ 206.109 @, \$ 202.662 @, \$ 212.573 @, \$ 210.043 @, \$ 205.986 @, \$ 207.992  
@, \$ 211.387 @, \$ 211.401 @, \$

10 @ , \$ 93.2297 @ , \$ 85.3876 @ , \$ 108.694 @ , \$ 105.538 @ , \$ 98.7179 @ , \$ 96.6184 @ , \$ 105.266 @ , \$ 104.51 @ , \$ 91.6885 @ , \$ 102.607 @ , \$ 11 @ , \$ 207.265 @ , \$ 239.909 @ , \$ 210.117 @ , \$ 195.024 @ , \$ 193.626 @ , \$ 230.169 @ , \$ 211.615 @ , \$ 219.005 @ , \$ 225.625 @ , \$ 211.54 @ , \$ 12 @ , \$ 296.011 @ , \$ 270.494 @ , \$ 303.535 @ , \$ 291.531 @ , \$ 286.051 @ , \$ 305.576 @ , \$ 280.194 @ , \$ 291.324 @ , \$ 296.162 @ , \$ 295.016 @ , \$ 13 @ , \$ 284.878 @ , \$ 265.809 @ , \$ 282.829 @ , \$ 280.433 @ , \$ 259.544 @ , \$ 278.026 @ , \$ 273.381 @ , \$ 273.288 @ , \$ 284.074 @ , \$ 261.45 @ , \$ 14 @ , \$ 218.07 @ , \$ 212.624 @ , \$ 214.025 @ , \$ 206.615 @ , \$ 200.154 @ , \$ 212.179 @ , \$ 195.318 @ , \$ 204.868 @ , \$ 221.239 @ , \$ 203.333 @ , \$ 15 @ , \$ 34.2015 @ , \$ 33.6882 @ , \$ 35.6046 @ , \$ 37.1737 @ , \$ 32.8752 @ , \$ 34.015 @ , \$ 34.7605 @ , \$ 36.4006 @ , \$ 31.6385 @ , \$ 34.6657 @ , \$

#### CE19B014

Alpha = 0.0587525

post anova t-test pairs after sorting the sample means in descending order

3,6

12,13

1 @ , \$ -0.649717 @ , \$ 17.3666 @ , \$ 2.40528 @ , \$ 11.4066 @ , \$ 10.2615 @ , \$ 3.724 @ , \$ -0.687717 @ , \$ 6.91179 @ , \$ 17.4251 @ , \$ 8.59445 @ , \$ 2 @ , \$ 227.905 @ , \$ 250.635 @ , \$ 241.473 @ , \$ 250.807 @ , \$ 240.195 @ , \$ 247.543 @ , \$ 234.661 @ , \$ 237.08 @ , \$ 242.719 @ , \$ 241.653 @ , \$ 3 @ , \$ 78.6931 @ , \$ 75.5735 @ , \$ 66.7277 @ , \$ 59.2921 @ , \$ 72.9978 @ , \$ 80.6809 @ , \$ 77.8306 @ , \$ 71.5147 @ , \$ 68.4354 @ , \$ 52.4148 @ , \$ 4 @ , \$ 154.097 @ , \$ 157.638 @ , \$ 153.573 @ , \$ 162.468 @ , \$ 159.561 @ , \$ 142.975 @ , \$ 165.756 @ , \$ 146.73 @ , \$ 147.504 @ , \$ 167.146 @ , \$ 5 @ , \$ 250.556 @ , \$ 246.123 @ , \$ 252.062 @ , \$ 250.608 @ , \$ 234.199 @ , \$ 265.611 @ , \$ 254.054 @ , \$ 264.334 @ , \$ 251.963 @ , \$ 247.162 @ , \$ 6 @ , \$ 177.95 @ , \$ 169.251 @ , \$ 174.049 @ , \$ 189.01 @ , \$ 184.681 @ , \$ 196.904 @ , \$ 179.296 @ , \$ 172.867 @ , \$ 200.237 @ , \$ 179.459 @ , \$ 7 @ , \$ 155.571 @ , \$ 153.341 @ , \$ 161.341 @ , \$ 152.194 @ , \$ 156.29 @ , \$ 182.216 @ , \$ 160.861 @ , \$ 162.837 @ , \$ 158.933 @ , \$ 160.344 @ , \$ 8 @ , \$ 90.304 @ , \$ 79.0797 @ , \$ 84.7537 @ , \$ 75.5805 @ , \$ 84.4588 @ , \$ 100.68 @ , \$ 97.7586 @ , \$ 84.6208 @ , \$ 89.0269 @ , \$ 96.0816 @ , \$ 9 @ , \$ 106.899 @ , \$ 118.332 @ , \$ 104.716 @ , \$ 114.183 @ , \$ 120.094 @ , \$ 111.654 @ , \$ 111.658 @ , \$ 117.917 @ , \$ 109.096 @ , \$ 114.467 @ , \$ 10 @ , \$ 246.28 @ , \$ 256.471 @ , \$ 250.766 @ , \$ 255.982 @ , \$ 252.814 @ , \$ 261.402 @ , \$ 253.324 @ , \$ 255.704 @ , \$ 253.117 @ , \$ 254.386 @ , \$ 11 @ , \$ 247.561 @ , \$ 252.033 @ , \$ 249.869 @ , \$ 242.468 @ , \$ 246.827 @ , \$ 248.125 @ , \$ 243.763 @ , \$ 236.768 @ , \$ 253.032 @ , \$ 243.894 @ , \$ 12 @ , \$ 51.328 @ , \$ 56.6108 @ , \$ 46.2269 @ , \$ 59.6209 @ , \$ 50.8068 @ , \$ 82.18 @ , \$ 52.2845 @ , \$ 66.1002 @ , \$ 54.5258 @ , \$ 50.4473 @ , \$ 13 @ , \$ 58.04 @ , \$ 46.057 @ , \$ 52.463 @ , \$ 45.7205 @ , \$ 40.2719 @ , \$ 56.8105 @ , \$ 39.4258 @ , \$ 32.3397 @ , \$ 55.7877 @ , \$ 37.1772 @ , \$ 14 @ , \$ 60.7347 @ , \$ 42.2573 @ , \$ 46.7212 @ , \$ 58.876 @ , \$ 45.4935 @ , \$ 58.9159 @ , \$ 52.0387 @ , \$ 50.8718 @ , \$ 53.6679 @ , \$ 59.383 @ , \$ 15 @ , \$ 214.738 @ , \$ 228.176 @ , \$ 222.997 @ , \$ 225.982 @ , \$ 231.51 @ , \$ 228.451 @ , \$ 227.77 @ , \$ 232.467 @ , \$ 229.939 @ , \$ 234.852 @ , \$

#### CE19B016

Alpha = 0.0227013

post anova t-test pairs after sorting the sample means in descending order

1,7  
12,13

1 @ , \$ 115.566 @ , \$ 133.164 @ , \$ 96.3774 @ , \$ 94.3887 @ , \$ 114.275 @ , \$ 125.506 @ , \$ 112.29 @ , \$ 112.385 @ , \$ 124.374 @ , \$ 112.112 @ , \$ 2 @ , \$ 267.507 @ , \$ 249.652 @ , \$ 251.569 @ , \$ 253.843 @ , \$ 259.945 @ , \$ 280.297 @ , \$ 244.822 @ , \$ 244.066 @ , \$ 263.976 @ , \$ 250.479 @ , \$ 3 @ , \$ 82.4598 @ , \$ 75.2299 @ , \$ 85.4112 @ , \$ 82.1263 @ , \$ 78.9178 @ , \$ 94.9645 @ , \$ 72.4055 @ , \$ 88.9967 @ , \$ 83.2652 @ , \$ 95.7506 @ , \$ 4 @ , \$ 264.475 @ , \$ 261.966 @ , \$ 255.816 @ , \$ 267.889 @ , \$ 258.239 @ , \$ 285.455 @ , \$ 253.026 @ , \$ 263.547 @ , \$ 254.393 @ , \$ 261.856 @ , \$ 5 @ , \$ 271.55 @ , \$ 297.381 @ , \$ 288.643 @ , \$ 289.49 @ , \$ 293.044 @ , \$ 303.561 @ , \$ 273.756 @ , \$ 270.96 @ , \$ 302.722 @ , \$ 277.115 @ , \$ 6 @ , \$ 281.215 @ , \$ 274.646 @ , \$ 281.247 @ , \$ 281.978 @ , \$ 284.821 @ , \$ 291.49 @ , \$ 273.011 @ , \$ 278.677 @ , \$ 277.461 @ , \$ 286.477 @ , \$ 7 @ , \$ 127.442 @ , \$ 125.46 @ , \$ 127.524 @ , \$ 123.308 @ , \$ 126.97 @ , \$ 130.399 @ , \$ 127.464 @ , \$ 128.734 @ , \$ 128.31 @ , \$ 123.762 @ , \$ 8 @ , \$ 71.2381 @ , \$ 84.5986 @ , \$ 74.7341 @ , \$ 96.3663 @ , \$ 83.8325 @ , \$ 89.1266 @ , \$ 74.9186 @ , \$ 63.7098 @ , \$ 82.6916 @ , \$ 78.305 @ , \$ 9 @ , \$ 223.066 @ , \$ 214.467 @ , \$ 223.996 @ , \$ 215.204 @ , \$ 219.203 @ , \$ 230.493 @ , \$ 221.737 @ , \$ 224.931 @ , \$ 220.155 @ , \$ 230.976 @ , \$ 10 @ , \$ 46.5123 @ , \$ 52.419 @ , \$ 53.6571 @ , \$ 40.5048 @ , \$ 43.5313 @ , \$ 61.6273 @ , \$ 50.6892 @ , \$ 50.3228 @ , \$ 57.9195 @ , \$ 45.6559 @ , \$ 11 @ , \$ 15.3999 @ , \$ 6.02482 @ , \$ 5.30992 @ , \$ 15.0197 @ , \$ 16.068 @ , \$ 20.229 @ , \$ 10.5843 @ , \$ 0.38461 @ , \$ 5.97122 @ , \$ -6.54151 @ , \$ 12 @ , \$ 100.254 @ , \$ 106.027 @ , \$ 102.192 @ , \$ 101.791 @ , \$ 104.323 @ , \$ 114.733 @ , \$ 97.3323 @ , \$ 108.333 @ , \$ 102.266 @ , \$ 103.813 @ , \$ 13 @ , \$ 92.4955 @ , \$ 94.3204 @ , \$ 108.534 @ , \$ 85.3454 @ , \$ 87.9631 @ , \$ 91.0048 @ , \$ 115.369 @ , \$ 89.1421 @ , \$ 111.341 @ , \$ 76.5376 @ , \$ 14 @ , \$ 53.4626 @ , \$ 48.448 @ , \$ 62.6686 @ , \$ 52.9482 @ , \$ 51.4319 @ , \$ 57.0817 @ , \$ 50.3424 @ , \$ 50.6189 @ , \$ 50.0281 @ , \$ 52.5784 @ , \$ 15 @ , \$ 203.677 @ , \$ 198.878 @ , \$ 201.91 @ , \$ 200.547 @ , \$ 205.082 @ , \$ 208.151 @ , \$ 202.579 @ , \$ 203.484 @ , \$ 204.086 @ , \$ 200.969 @ , \$

CE19B018

Alpha = 0.0651341

post anova t-test pairs after sorting the sample means in descending order

1,5

10,13

1 @ , \$ 31.7675 @ , \$ 30.6912 @ , \$ 32.6641 @ , \$ 34.0244 @ , \$ 36.036 @ , \$ 51.8924 @ , \$ 35.0078 @ , \$ 34.9139 @ , \$ 30.8821 @ , \$ 29.8758 @ , \$ 2 @ , \$ 48.2321 @ , \$ 48.194 @ , \$ 59.9596 @ , \$ 42.6315 @ , \$ 55.8778 @ , \$ 52.8304 @ , \$ 65.5417 @ , \$ 51.3409 @ , \$ 31.5443 @ , \$ 41.7904 @ , \$ 3 @ , \$ 95.936 @ , \$ 115.417 @ , \$ 101.79 @ , \$ 112.474 @ , \$ 99.1128 @ , \$ 113.589 @ , \$ 117.454 @ , \$ 111.034 @ , \$ 100.396 @ , \$ 98.4732 @ , \$ 4 @ , \$ 210.368 @ , \$ 218.232 @ , \$ 207.886 @ , \$ 213.83 @ , \$ 217.757 @ , \$ 222.738 @ , \$ 209.601 @ , \$ 220.791 @ , \$ 218.206 @ , \$ 215.416 @ , \$ 5 @ , \$ 291.273 @ , \$ 290.71 @ , \$ 299.335 @ , \$ 290.136 @ , \$ 299.792 @ , \$ 288.949 @ , \$ 278.495 @ , \$ 293.189 @ , \$ 286.4 @ , \$ 294.211 @ , \$ 6 @ , \$ 168.438 @ , \$ 160.473 @ , \$ 156.611 @ , \$ 173.968 @ , \$ 166.637 @ , \$ 150.082 @ , \$ 164.009 @ , \$ 176.9 @ , \$ 164.242 @ , \$ 166.033 @ , \$ 7 @ , \$ 153.678 @ , \$ 152.948 @ , \$ 155.178 @ , \$ 162.367 @ , \$ 145.85 @ , \$ 184.873 @ , \$ 161.797 @ , \$ 143.423 @ , \$ 159.264 @ , \$ 147.394 @ , \$ 8 @ , \$ 141.871 @ , \$ 149.586 @ , \$ 146.47 @ , \$ 152.009 @ , \$ 154.36 @ , \$ 152.293 @ , \$ 152.071 @ , \$ 164.462 @

, \$ 148.171 @ , \$ 159.837 @ , \$ 9 @ , \$ 238.421 @ , \$ 210.624 @ , \$ 219.971 @ , \$ 223.844 @ , \$ 240.041 @ , \$ 244.804 @ , \$ 218.202 @ , \$ 205.704 @ , \$ 228.25 @ , \$ 217.591 @ , \$ 10 @ , \$ 109.278 @ , \$ 120.266 @ , \$ 115.16 @ , \$ 104.338 @ , \$ 120.517 @ , \$ 123.627 @ , \$ 112.778 @ , \$ 122.446 @ , \$ 121.12 @ , \$ 118.986 @ , \$ 11 @ , \$ 179.654 @ , \$ 172.598 @ , \$ 174.325 @ , \$ 175.064 @ , \$ 174.225 @ , \$ 180.467 @ , \$ 170.534 @ , \$ 176.814 @ , \$ 178.233 @ , \$ 176.789 @ , \$ 12 @ , \$ 24.6511 @ , \$ 17.3712 @ , \$ 22.7534 @ , \$ 23.0933 @ , \$ 22.7709 @ , \$ 8.10152 @ , \$ 30.2943 @ , \$ 25.7581 @ , \$ 35.9473 @ , \$ 26.2845 @ , \$ 13 @ , \$ 116.528 @ , \$ 124.21 @ , \$ 100.859 @ , \$ 98.8823 @ , \$ 119.092 @ , \$ 139.295 @ , \$ 107.91 @ , \$ 130.264 @ , \$ 111.41 @ , \$ 128.558 @ , \$ 14 @ , \$ 32.1597 @ , \$ 8.06676 @ , \$ 22.3272 @ , \$ 24.8398 @ , \$ 30.0447 @ , \$ 25.5807 @ , \$ 19.8883 @ , \$ 29.1231 @ , \$ 30.0217 @ , \$ 18.6896 @ , \$ 15 @ , \$ 169.142 @ , \$ 183.277 @ , \$ 187.521 @ , \$ 172.747 @ , \$ 161.945 @ , \$ 177.646 @ , \$ 161.174 @ , \$ 178.393 @ , \$ 180.263 @ , \$ 184.231 @ , \$

CE19B024

Alpha = 0.0694876

post anova t-test pairs after sorting the sample means in descending order

1,4

9,15

1 @ , \$ 264.846 @ , \$ 282.918 @ , \$ 271.418 @ , \$ 274.402 @ , \$ 265.656 @ , \$ 281.309 @ , \$ 267.044 @ , \$ 271.881 @ , \$ 267.843 @ , \$ 268.186 @ , \$ 2 @ , \$ -0.614451 @ , \$ 7.86884 @ , \$ -8.53584 @ , \$ -7.16633 @ , \$ -11.4588 @ , \$ -3.54913 @ , \$ -4.85439 @ , \$ -6.08744 @ , \$ -1.57827 @ , \$ -5.28997 @ , \$ 3 @ , \$ 240.194 @ , \$ 251.118 @ , \$ 239.261 @ , \$ 245.887 @ , \$ 246.07 @ , \$ 262.89 @ , \$ 243.302 @ , \$ 241.63 @ , \$ 250.64 @ , \$ 244.693 @ , \$ 4 @ , \$ 120.047 @ , \$ 131.496 @ , \$ 108.018 @ , \$ 136.903 @ , \$ 135.396 @ , \$ 127.652 @ , \$ 117.854 @ , \$ 125.921 @ , \$ 108.97 @ , \$ 111.139 @ , \$ 5 @ , \$ 77.181 @ , \$ 69.8087 @ , \$ 52.2794 @ , \$ 62.1804 @ , \$ 74.7164 @ , \$ 84.5172 @ , \$ 65.1294 @ , \$ 82.6671 @ , \$ 61.5039 @ , \$ 72.4747 @ , \$ 6 @ , \$ 177.538 @ , \$ 187.451 @ , \$ 190.014 @ , \$ 177.537 @ , \$ 180.504 @ , \$ 176.748 @ , \$ 182.443 @ , \$ 180.25 @ , \$ 177.84 @ , \$ 181.286 @ , \$ 7 @ , \$ 122.805 @ , \$ 117.64 @ , \$ 123.42 @ , \$ 122.242 @ , \$ 120.966 @ , \$ 127.083 @ , \$ 122.067 @ , \$ 116.879 @ , \$ 123.693 @ , \$ 118.004 @ , \$ 8 @ , \$ 258.379 @ , \$ 253.835 @ , \$ 250.829 @ , \$ 249.402 @ , \$ 252.688 @ , \$ 264.871 @ , \$ 258.357 @ , \$ 252.114 @ , \$ 258.059 @ , \$ 264.288 @ , \$ 9 @ , \$ 234.296 @ , \$ 242.728 @ , \$ 239.478 @ , \$ 230.431 @ , \$ 239.475 @ , \$ 248.649 @ , \$ 239.866 @ , \$ 233.545 @ , \$ 244.615 @ , \$ 241.942 @ , \$ 10 @ , \$ 211.948 @ , \$ 213.937 @ , \$ 199.002 @ , \$ 207.571 @ , \$ 202.487 @ , \$ 216.019 @ , \$ 199.333 @ , \$ 213.073 @ , \$ 194.115 @ , \$ 192.57 @ , \$ 11 @ , \$ 232.021 @ , \$ 254.108 @ , \$ 231.362 @ , \$ 258.816 @ , \$ 255.769 @ , \$ 256.716 @ , \$ 235.54 @ , \$ 238.621 @ , \$ 244.521 @ , \$ 229.993 @ , \$ 12 @ , \$ 125.921 @ , \$ 114.869 @ , \$ 115.088 @ , \$ 115.934 @ , \$ 124.373 @ , \$ 110.864 @ , \$ 124.317 @ , \$ 115.467 @ , \$ 127.141 @ , \$ 122.717 @ , \$ 13 @ , \$ 174.371 @ , \$ 180.174 @ , \$ 155.932 @ , \$ 157.506 @ , \$ 171.561 @ , \$ 154.213 @ , \$ 174.361 @ , \$ 176.114 @ , \$ 184.276 @ , \$ 185.458 @ , \$ 14 @ , \$ 107.189 @ , \$ 115.18 @ , \$ 121.763 @ , \$ 106.472 @ , \$ 125.935 @ , \$ 124.356 @ , \$ 109.025 @ , \$ 112.41 @ , \$ 117.339 @ , \$ 113.417 @ , \$ 15 @ , \$ 70.0506 @ , \$ 69.2774 @ , \$ 55.4391 @ , \$ 63.0439 @ , \$ 46.5359 @ , \$ 87.5955 @ , \$ 75.5923 @ , \$ 58.0105 @ , \$ 69.4237 @ , \$ 55.4031 @ , \$

CE19B025

Alpha = 0.0455685

post anova t-test pairs after sorting the sample means in descending order

2,5

12,15

1 @ , \$ 242.063 @ , \$ 237.45 @ , \$ 232.377 @ , \$ 220.68 @ , \$ 233.052 @ , \$ 230.107 @ , \$ 233.307 @ , \$ 232.428 @ , \$ 253.747 @ , \$ 242.275 @ , \$  
2 @ , \$ 81.3377 @ , \$ 97.1049 @ , \$ 91.3104 @ , \$ 98.7194 @ , \$ 89.9397 @ , \$ 121.594 @ , \$ 87.0053 @ , \$ 96.4954 @ , \$ 100.665 @ , \$ 79.4501 @ , \$  
3 @ , \$ 73.2888 @ , \$ 74.1212 @ , \$ 74.7892 @ , \$ 71.7094 @ , \$ 67.2344 @ , \$ 88.4737 @ , \$ 71.3652 @ , \$ 68.8207 @ , \$ 73.2217 @ , \$ 70.5495 @ , \$  
4 @ , \$ 106.461 @ , \$ 107.77 @ , \$ 100.329 @ , \$ 103.281 @ , \$ 108.466 @ , \$ 104.013 @ , \$ 99.5602 @ , \$ 102.828 @ , \$ 104.672 @ , \$ 95.1433 @ , \$  
5 @ , \$ 117.418 @ , \$ 115.34 @ , \$ 113.784 @ , \$ 116.847 @ , \$ 113.998 @ , \$ 133.367 @ , \$ 119.354 @ , \$ 116.511 @ , \$ 114.022 @ , \$ 118.25 @ , \$  
6 @ , \$ 75.1122 @ , \$ 75.1881 @ , \$ 75.4761 @ , \$ 69.5641 @ , \$ 63.2868 @ , \$ 99.8748 @ , \$ 75.9661 @ , \$ 85.506 @ , \$ 79.5749 @ , \$ 69.158 @ , \$  
7 @ , \$ 108.191 @ , \$ 92.7116 @ , \$ 91.9065 @ , \$ 97.7238 @ , \$ 103.042 @ , \$ 91.8213 @ , \$ 93.0649 @ , \$ 93.7386 @ , \$ 85.7212 @ , \$ 87.7085 @ , \$  
8 @ , \$ 169.697 @ , \$ 164.107 @ , \$ 165.484 @ , \$ 178.02 @ , \$ 167.866 @ , \$ 182.861 @ , \$ 165.404 @ , \$ 177.558 @ , \$ 174.943 @ , \$ 176.828 @ , \$  
9 @ , \$ 50.946 @ , \$ 24.3198 @ , \$ 47.2879 @ , \$ 52.7105 @ , \$ 39.8011 @ , \$ 42.7364 @ , \$ 40.3215 @ , \$ 42.415 @ , \$ 43.0817 @ , \$ 36.9818 @ , \$  
10 @ , \$ 158.963 @ , \$ 155.29 @ , \$ 156.102 @ , \$ 158.307 @ , \$ 157.394 @ , \$ 176.18 @ , \$ 154.808 @ , \$ 157.107 @ , \$ 159.778 @ , \$ 158.379 @ , \$  
11 @ , \$ 187.735 @ , \$ 205.269 @ , \$ 189.662 @ , \$ 201.568 @ , \$ 185.618 @ , \$ 204.403 @ , \$ 199.833 @ , \$ 188.994 @ , \$ 208.646 @ , \$ 204.632 @ , \$  
12 @ , \$ 168.327 @ , \$ 147.896 @ , \$ 186.812 @ , \$ 165.552 @ , \$ 145.31 @ , \$ 184.291 @ , \$ 165.229 @ , \$ 157.177 @ , \$ 175.548 @ , \$ 169.546 @ , \$  
13 @ , \$ 187.707 @ , \$ 179.826 @ , \$ 191.35 @ , \$ 175.805 @ , \$ 176.398 @ , \$ 217.586 @ , \$ 182.594 @ , \$ 173.863 @ , \$ 178.339 @ , \$ 188.188 @ , \$  
14 @ , \$ 12.9691 @ , \$ 23.1317 @ , \$ 13.5909 @ , \$ 7.946 @ , \$ 26.4851 @ , \$ 24.6216 @ , \$ 23.1518 @ , \$ 9.85577 @ , \$ 5.53187 @ , \$ 12.9639 @ , \$  
15 @ , \$ 164.821 @ , \$ 157.562 @ , \$ 154.921 @ , \$ 161.591 @ , \$ 164.385 @ , \$ 136.896 @ , \$ 159.797 @ , \$ 151.147 @ , \$ 158.036 @ , \$ 165.264 @ , \$

CE19B031

Alpha = 0.0475584

post anova t-test pairs after sorting the sample means in descending order

2,6

10,14

1 @ , \$ 93.0641 @ , \$ 97.6667 @ , \$ 96.9846 @ , \$ 91.6012 @ , \$ 98.3724 @ , \$ 101.46 @ , \$ 103.561 @ , \$ 93.529 @ , \$ 98.5079 @ , \$ 101.79 @ , \$  
2 @ , \$ 131.712 @ , \$ 130.506 @ , \$ 130.563 @ , \$ 120.11 @ , \$ 124.67 @ , \$ 120.279 @ , \$ 114.739 @ , \$ 107.92 @ , \$ 140.663 @ , \$ 128.773 @ , \$  
3 @ , \$ 185.727 @ , \$ 182.617 @ , \$ 180.719 @ , \$ 171.167 @ , \$ 170.268 @ , \$ 185.951 @ , \$ 182.949 @ , \$ 169.308 @ , \$ 180.782 @ , \$ 172.012 @ , \$  
4 @ , \$ 14.6289 @ , \$ 25.0728 @ , \$ 20.0416 @ , \$ 15.831 @ , \$ 34.4769 @ , \$ 34.9011 @ , \$ 19.1622 @ , \$ 25.6472 @ , \$ 29.6593 @ , \$ 24.7289 @ , \$  
5 @ , \$ 102.501 @ , \$ 96.8472 @ , \$ 106.161 @ , \$ 100.87 @ , \$ 94.3385 @ , \$ 90.7271 @ , \$ 107.459 @ , \$ 100.788 @ , \$ 97.1329 @ , \$ 99.3503 @ , \$  
6 @ , \$ 253.353 @ , \$ 235.611 @ , \$ 247.221 @ , \$ 240.35 @ , \$ 245.495 @ , \$ 255.924 @ , \$ 250.688 @ , \$ 251.671 @ , \$ 248.396 @ , \$ 229.584 @ , \$

7 @ , \$ 245.779 @ , \$ 240.198 @ , \$ 235.852 @ , \$ 250.648 @ , \$ 245.184 @ , \$ 238.273 @ , \$ 224.869 @ , \$ 240.884 @ , \$ 244.834 @ , \$ 241.319 @ , \$ 8 @ , \$ 286.913 @ , \$ 284.426 @ , \$ 279.84 @ , \$ 296.631 @ , \$ 275.079 @ , \$ 302.292 @ , \$ 306.624 @ , \$ 299.114 @ , \$ 289.928 @ , \$ 303.25 @ , \$ 9 @ , \$ 12.4811 @ , \$ 0.44908 @ , \$ -12.042 @ , \$ 3.76183 @ , \$ -9.83674 @ , \$ 27.2243 @ , \$ 1.21292 @ , \$ -0.676837 @ , \$ -15.9609 @ , \$ -0.284084 @ , \$ 10 @ , \$ 59.3062 @ , \$ 85.1189 @ , \$ 70.138 @ , \$ 70.7214 @ , \$ 65.0151 @ , \$ 88.14 @ , \$ 70.6013 @ , \$ 75.7091 @ , \$ 75.9077 @ , \$ 80.0157 @ , \$ 11 @ , \$ 296.757 @ , \$ 300.33 @ , \$ 299.298 @ , \$ 271.833 @ , \$ 290.235 @ , \$ 298.328 @ , \$ 301.738 @ , \$ 299.447 @ , \$ 295.996 @ , \$ 284.551 @ , \$ 12 @ , \$ 191.946 @ , \$ 182.621 @ , \$ 171.988 @ , \$ 190.5 @ , \$ 172.926 @ , \$ 186.169 @ , \$ 186.891 @ , \$ 163.537 @ , \$ 180.511 @ , \$ 186.763 @ , \$ 13 @ , \$ 249.473 @ , \$ 231.755 @ , \$ 241.435 @ , \$ 261.195 @ , \$ 255.786 @ , \$ 256.42 @ , \$ 249.213 @ , \$ 261.884 @ , \$ 250.934 @ , \$ 240.435 @ , \$ 14 @ , \$ 79.2556 @ , \$ 67.8665 @ , \$ 70.7486 @ , \$ 51.933 @ , \$ 73.237 @ , \$ 63.8767 @ , \$ 61.9122 @ , \$ 71.6321 @ , \$ 55.8714 @ , \$ 68.0286 @ , \$ 15 @ , \$ 27.6918 @ , \$ 33.4336 @ , \$ 24.5284 @ , \$ 31.0414 @ , \$ 47.5806 @ , \$ 48.851 @ , \$ 25.8939 @ , \$ 30.4199 @ , \$ 46.2157 @ , \$ 27.6643 @ , \$

CE19B032

Alpha = 0.0712587

post anova t-test pairs after sorting the sample means in descending order

2,8

9,14

1 @ , \$ 153.828 @ , \$ 158.202 @ , \$ 176.866 @ , \$ 174.009 @ , \$ 165.02 @ , \$ 184.27 @ , \$ 178.552 @ , \$ 189.944 @ , \$ 179.136 @ , \$ 197.364 @ , \$ 2 @ , \$ 242.38 @ , \$ 242.237 @ , \$ 242.661 @ , \$ 241.089 @ , \$ 267.734 @ , \$ 248.52 @ , \$ 239.88 @ , \$ 235.232 @ , \$ 237.827 @ , \$ 242.819 @ , \$ 3 @ , \$ 251.849 @ , \$ 244.734 @ , \$ 253.155 @ , \$ 258.715 @ , \$ 253.294 @ , \$ 269.804 @ , \$ 268.495 @ , \$ 257.802 @ , \$ 251.115 @ , \$ 247.702 @ , \$ 4 @ , \$ 168.524 @ , \$ 181.474 @ , \$ 172.123 @ , \$ 179.01 @ , \$ 168.655 @ , \$ 172.193 @ , \$ 175.653 @ , \$ 169.941 @ , \$ 172.136 @ , \$ 161.939 @ , \$ 5 @ , \$ 126.603 @ , \$ 123.742 @ , \$ 129.931 @ , \$ 139.619 @ , \$ 119.023 @ , \$ 123.481 @ , \$ 125.101 @ , \$ 139.733 @ , \$ 141.843 @ , \$ 135.65 @ , \$ 6 @ , \$ 137.004 @ , \$ 129.567 @ , \$ 137.825 @ , \$ 123.14 @ , \$ 136.609 @ , \$ 132.832 @ , \$ 130.466 @ , \$ 131.192 @ , \$ 144.398 @ , \$ 134.891 @ , \$ 7 @ , \$ 179.071 @ , \$ 188.333 @ , \$ 179.338 @ , \$ 185.241 @ , \$ 182.089 @ , \$ 201.797 @ , \$ 183.308 @ , \$ 179.605 @ , \$ 189.699 @ , \$ 186.463 @ , \$ 8 @ , \$ 82.6482 @ , \$ 77.5884 @ , \$ 76.0266 @ , \$ 77.4211 @ , \$ 77.6897 @ , \$ 110.405 @ , \$ 80.7991 @ , \$ 76.0946 @ , \$ 75.7083 @ , \$ 73.7138 @ , \$ 9 @ , \$ 120.363 @ , \$ 128.96 @ , \$ 136.166 @ , \$ 136.778 @ , \$ 136.883 @ , \$ 124.75 @ , \$ 124.081 @ , \$ 136.451 @ , \$ 128.431 @ , \$ 114.278 @ , \$ 10 @ , \$ 241.166 @ , \$ 241.519 @ , \$ 244.371 @ , \$ 244.258 @ , \$ 243.202 @ , \$ 247.336 @ , \$ 238.322 @ , \$ 244.078 @ , \$ 240.066 @ , \$ 238.033 @ , \$ 11 @ , \$ 152.588 @ , \$ 149.692 @ , \$ 145.349 @ , \$ 151.224 @ , \$ 152.448 @ , \$ 168.748 @ , \$ 152.591 @ , \$ 145.454 @ , \$ 149.997 @ , \$ 153.794 @ , \$ 12 @ , \$ 280.692 @ , \$ 281.898 @ , \$ 278.037 @ , \$ 280.376 @ , \$ 287.663 @ , \$ 291.882 @ , \$ 278.851 @ , \$ 283.576 @ , \$ 271.613 @ , \$ 279.442 @ , \$ 13 @ , \$ 264.056 @ , \$ 267.427 @ , \$ 265.31 @ , \$ 264.652 @ , \$ 262.908 @ , \$ 275.891 @ , \$ 274.011 @ , \$ 262.63 @ , \$ 272.394 @ , \$ 267.475 @ , \$ 14 @ , \$ 303.933 @ , \$ 323.697 @ , \$ 300.869 @ , \$ 306.508 @ , \$ 308.313 @ , \$ 319.194 @ , \$ 300.436 @ , \$ 285.017 @ , \$ 289.479 @ , \$ 294.521 @ , \$ 15 @ , \$ 254.696 @ , \$ 258.561 @ , \$ 257.862 @ , \$ 253.754 @ , \$ 250.617 @ , \$ 283.453 @ , \$ 251.44 @ , \$ 260.676

@, \$ 258.11 @, \$ 263.757 @, \$

CE19B041

Alpha = 0.0540282

post anova t-test pairs after sorting the sample means in descending order

3,5

11,13

1 @, \$ 294.617 @, \$ 299.036 @, \$ 290.028 @, \$ 291.856 @, \$ 290.667 @, \$ 305.153 @, \$ 297.381 @, \$ 292.047 @, \$ 292.015 @, \$ 295.726 @, \$  
2 @, \$ 204.192 @, \$ 204.16 @, \$ 204.087 @, \$ 204.097 @, \$ 203.928 @, \$ 205.874 @, \$ 204.061 @, \$ 203.992 @, \$ 204.194 @, \$ 204.183 @, \$  
3 @, \$ 88.2067 @, \$ 71.1386 @, \$ 64.2842 @, \$ 69.1026 @, \$ 70.9694 @, \$ 90.309 @, \$ 64.6007 @, \$ 55.4037 @, \$ 56.9378 @, \$ 62.5885 @, \$  
4 @, \$ 226.995 @, \$ 250.511 @, \$ 244.019 @, \$ 240.218 @, \$ 267.334 @, \$ 249.132 @, \$ 257.687 @, \$ 247.117 @, \$ 238.564 @, \$ 255.556 @, \$  
5 @, \$ 257.163 @, \$ 251.998 @, \$ 256.846 @, \$ 269.541 @, \$ 260.66 @, \$ 252.317 @, \$ 259.764 @, \$ 249.407 @, \$ 245.078 @, \$ 267.01 @, \$  
6 @, \$ 74.2367 @, \$ 73.1379 @, \$ 70.495 @, \$ 75.4559 @, \$ 73.3804 @, \$ 76.0475 @, \$ 72.2144 @, \$ 75.094 @, \$ 73.5854 @, \$ 73.5696 @, \$  
7 @, \$ 228.577 @, \$ 238.176 @, \$ 230.279 @, \$ 233.809 @, \$ 237.37 @, \$ 253.952 @, \$ 232.623 @, \$ 236.607 @, \$ 229.532 @, \$ 236.572 @, \$  
8 @, \$ 237.743 @, \$ 235.005 @, \$ 239.317 @, \$ 248.878 @, \$ 241.388 @, \$ 272.555 @, \$ 239.074 @, \$ 236.069 @, \$ 233.315 @, \$ 241.339 @, \$  
9 @, \$ 225.582 @, \$ 230.931 @, \$ 236.884 @, \$ 228.734 @, \$ 232.521 @, \$ 249.307 @, \$ 233.562 @, \$ 255.527 @, \$ 241.174 @, \$ 236.141 @, \$  
10 @, \$ 73.0887 @, \$ 86.8728 @, \$ 73.1325 @, \$ 67.2607 @, \$ 77.1227 @, \$ 83.6663 @, \$ 73.4391 @, \$ 77.5864 @, \$ 66.6515 @, \$ 69.2798 @, \$  
11 @, \$ 20.092 @, \$ 40.2211 @, \$ 33.4551 @, \$ 47.826 @, \$ 50.6343 @, \$ 60.7308 @, \$ 24.0189 @, \$ 41.5731 @, \$ 19.0692 @, \$ 30.7382 @, \$  
12 @, \$ 137.21 @, \$ 119.246 @, \$ 146.39 @, \$ 132.289 @, \$ 123.358 @, \$ 152.208 @, \$ 140.611 @, \$ 136.021 @, \$ 139.122 @, \$ 125.81 @, \$  
13 @, \$ 170.327 @, \$ 169.628 @, \$ 165.525 @, \$ 162.38 @, \$ 174.502 @, \$ 169.679 @, \$ 165.835 @, \$ 172.37 @, \$ 161.778 @, \$ 160.577 @, \$  
14 @, \$ 119.257 @, \$ 123.35 @, \$ 114.452 @, \$ 116.587 @, \$ 107.103 @, \$ 132.66 @, \$ 114.478 @, \$ 139.787 @, \$ 121.38 @, \$ 116.511 @, \$  
15 @, \$ 186.071 @, \$ 184.27 @, \$ 177.219 @, \$ 193.44 @, \$ 186.395 @, \$ 181.708 @, \$ 189.404 @, \$ 188.95 @, \$ 193.891 @, \$ 177.593 @, \$

CE19B043

Alpha = 0.0532024

post anova t-test pairs after sorting the sample means in descending order

1,8

9,14

1 @, \$ 195.952 @, \$ 188.304 @, \$ 176.291 @, \$ 198.075 @, \$ 196.836 @, \$ 212.127 @, \$ 185.919 @, \$ 192.489 @, \$ 184.643 @, \$ 194.659 @, \$  
2 @, \$ 29.9708 @, \$ 30.2685 @, \$ 30.9846 @, \$ 10.721 @, \$ 27.7636 @, \$ 23.298 @, \$ 24.3876 @, \$ 24.8573 @, \$ 21.5653 @, \$ 22.2721 @, \$  
3 @, \$ 229.885 @, \$ 223.647 @, \$ 223.812 @, \$ 242.452 @, \$ 227.427 @, \$ 238.895 @, \$ 231.761 @, \$ 217.63 @, \$ 225.405 @, \$ 227.48 @, \$  
4 @, \$ 188.762 @, \$ 181.137 @, \$ 184.602 @, \$ 184.156 @, \$ 185.942 @, \$ 189.991 @, \$ 179.964 @, \$ 185.529 @, \$ 179.354 @, \$ 184.389 @, \$  
5 @, \$ 189.536 @, \$ 187.596 @, \$ 188.316 @, \$ 189.33 @, \$ 189.985 @, \$ 193.442 @, \$ 186.044 @, \$ 187.739

@ , \$ 186.962 @ , \$ 187.149 @ , \$  
6 @ , \$ 163.051 @ , \$ 164.719 @ , \$ 167.233 @ , \$ 151.257 @ , \$ 166.948 @ , \$ 165.809 @ , \$ 155.698 @ , \$ 160.681  
@ , \$ 158.635 @ , \$ 160.551 @ , \$  
7 @ , \$ 120.937 @ , \$ 122.653 @ , \$ 109.82 @ , \$ 121.127 @ , \$ 120.802 @ , \$ 134.1 @ , \$ 112.771 @ , \$ 105.484 @ ,  
\$ 117.171 @ , \$ 107.935 @ , \$  
8 @ , \$ 172.416 @ , \$ 157.506 @ , \$ 159.179 @ , \$ 167.832 @ , \$ 163.112 @ , \$ 158.784 @ , \$ 175.042 @ , \$ 156.835  
@ , \$ 169.37 @ , \$ 165.34 @ , \$  
9 @ , \$ 124.609 @ , \$ 108.941 @ , \$ 121.469 @ , \$ 123.472 @ , \$ 122.079 @ , \$ 135.855 @ , \$ 108.426 @ , \$ 120.442  
@ , \$ 122.414 @ , \$ 100.165 @ , \$  
10 @ , \$ 255.031 @ , \$ 254.865 @ , \$ 256.496 @ , \$ 247.684 @ , \$ 259.427 @ , \$ 243.391 @ , \$ 250.988 @ , \$  
247.839 @ , \$ 243.766 @ , \$ 257.358 @ , \$  
11 @ , \$ 67.3834 @ , \$ 65.7132 @ , \$ 63.3398 @ , \$ 65.8023 @ , \$ 65.5687 @ , \$ 72.0453 @ , \$ 64.2382 @ , \$  
68.6495 @ , \$ 66.2054 @ , \$ 66.1556 @ , \$  
12 @ , \$ 61.6682 @ , \$ 64.2884 @ , \$ 68.8852 @ , \$ 65.5039 @ , \$ 42.841 @ , \$ 79.1119 @ , \$ 61.2368 @ , \$ 59.4939  
@ , \$ 59.3467 @ , \$ 62.7313 @ , \$  
13 @ , \$ 238.583 @ , \$ 231.092 @ , \$ 231.185 @ , \$ 231.926 @ , \$ 217.843 @ , \$ 246.532 @ , \$ 228.801 @ , \$  
223.313 @ , \$ 225.677 @ , \$ 229.592 @ , \$  
14 @ , \$ 186.925 @ , \$ 172.72 @ , \$ 180.12 @ , \$ 183.119 @ , \$ 182.423 @ , \$ 185.514 @ , \$ 195.977 @ , \$ 186.225  
@ , \$ 194.924 @ , \$ 188.075 @ , \$  
15 @ , \$ 283.23 @ , \$ 278.457 @ , \$ 277.216 @ , \$ 283.407 @ , \$ 284.314 @ , \$ 302.107 @ , \$ 285.531 @ , \$ 279.319  
@ , \$ 280.985 @ , \$ 279.201 @ , \$

CE19B045

Alpha = 0.0270148

post anova t-test pairs after sorting the sample means in descending order

3,4

9,15

1 @ , \$ 158.235 @ , \$ 155.697 @ , \$ 172.102 @ , \$ 172.31 @ , \$ 161.406 @ , \$ 159.331 @ , \$ 170.098 @ , \$ 165.057  
@ , \$ 171.983 @ , \$ 185.598 @ , \$  
2 @ , \$ 114.463 @ , \$ 108.565 @ , \$ 98.5809 @ , \$ 85.5391 @ , \$ 94.5828 @ , \$ 98.9753 @ , \$ 90.5825 @ , \$ 98.3931  
@ , \$ 80.5782 @ , \$ 97.7384 @ , \$  
3 @ , \$ 67.6824 @ , \$ 58.9078 @ , \$ 67.9485 @ , \$ 54.764 @ , \$ 56.896 @ , \$ 81.1668 @ , \$ 59.4045 @ , \$ 71.2743 @ ,  
\$ 62.7686 @ , \$ 61.3406 @ , \$  
4 @ , \$ 51.2663 @ , \$ 43.6603 @ , \$ 36.0681 @ , \$ 48.8432 @ , \$ 50.269 @ , \$ 44.4079 @ , \$ 46.6903 @ , \$ 42.3206  
@ , \$ 38.2944 @ , \$ 48.6759 @ , \$  
5 @ , \$ 188.833 @ , \$ 170.687 @ , \$ 179.824 @ , \$ 165.801 @ , \$ 171.021 @ , \$ 185.558 @ , \$ 169.513 @ , \$ 179.971  
@ , \$ 178.62 @ , \$ 174.581 @ , \$  
6 @ , \$ 286.021 @ , \$ 280.038 @ , \$ 289.12 @ , \$ 281.337 @ , \$ 296.715 @ , \$ 284.432 @ , \$ 284.147 @ , \$ 281.288  
@ , \$ 300.662 @ , \$ 289.108 @ , \$  
7 @ , \$ 181.707 @ , \$ 178.565 @ , \$ 181.63 @ , \$ 178.202 @ , \$ 181.527 @ , \$ 196.369 @ , \$ 181.553 @ , \$ 181.79 @ ,  
\$ 178.462 @ , \$ 182.493 @ , \$  
8 @ , \$ 287.082 @ , \$ 288.09 @ , \$ 285.951 @ , \$ 285.619 @ , \$ 282.428 @ , \$ 291.925 @ , \$ 295.427 @ , \$ 292.05 @ ,  
\$ 297.117 @ , \$ 288.449 @ , \$  
9 @ , \$ 113.409 @ , \$ 114.333 @ , \$ 106.701 @ , \$ 107.916 @ , \$ 102.688 @ , \$ 123.261 @ , \$ 109.132 @ , \$ 101.506  
@ , \$ 97.4715 @ , \$ 112.745 @ , \$  
10 @ , \$ 88.9803 @ , \$ 88.5651 @ , \$ 89.4096 @ , \$ 84.3517 @ , \$ 91.2359 @ , \$ 106.027 @ , \$ 100.602 @ , \$  
82.0588 @ , \$ 83.0771 @ , \$ 88.1545 @ , \$  
11 @ , \$ 226.938 @ , \$ 225.342 @ , \$ 220.84 @ , \$ 235.155 @ , \$ 232.503 @ , \$ 243.603 @ , \$ 223.089 @ , \$ 218.34  
@ , \$ 223.782 @ , \$ 222.494 @ , \$  
12 @ , \$ 74.2367 @ , \$ 82.7701 @ , \$ 78.7213 @ , \$ 78.6438 @ , \$ 73.2277 @ , \$ 71.2418 @ , \$ 74.1138 @ , \$  
78.4501 @ , \$ 66.0781 @ , \$ 80.1247 @ , \$  
13 @ , \$ 223.991 @ , \$ 221.628 @ , \$ 222.314 @ , \$ 211.458 @ , \$ 220.348 @ , \$ 222.131 @ , \$ 230.184 @ , \$  
206.163 @ , \$ 217.442 @ , \$ 230.695 @ , \$

14 @ , \$ 208.411 @ , \$ 201.075 @ , \$ 195.882 @ , \$ 197.304 @ , \$ 180.563 @ , \$ 225.396 @ , \$ 211.772 @ , \$ 211.793 @ , \$ 196.183 @ , \$ 204.386 @ , \$ 15 @ , \$ 147.313 @ , \$ 145.208 @ , \$ 147.768 @ , \$ 156.437 @ , \$ 176.968 @ , \$ 156.025 @ , \$ 134.053 @ , \$ 165.289 @ , \$ 159.532 @ , \$ 151.628 @ , \$

#### CE19B046

Alpha = 0.0617683

post anova t-test pairs after sorting the sample means in descending order

1,8

9,15

1 @ , \$ 194.59 @ , \$ 221.228 @ , \$ 214.024 @ , \$ 205.98 @ , \$ 212.986 @ , \$ 230.757 @ , \$ 209.523 @ , \$ 208.336 @ , \$ 195.325 @ , \$ 204.162 @ , \$ 2 @ , \$ 109.303 @ , \$ 92.7131 @ , \$ 65.0889 @ , \$ 79.7068 @ , \$ 100.755 @ , \$ 84.831 @ , \$ 77.7642 @ , \$ 89.5633 @ , \$ 84.0772 @ , \$ 96.6074 @ , \$ 3 @ , \$ 89.3996 @ , \$ 80.5648 @ , \$ 92.5963 @ , \$ 101.969 @ , \$ 82.8388 @ , \$ 114.377 @ , \$ 82.8288 @ , \$ 97.829 @ , \$ 93.0486 @ , \$ 84.3068 @ , \$ 4 @ , \$ 168.467 @ , \$ 182.177 @ , \$ 170.218 @ , \$ 161.013 @ , \$ 182.417 @ , \$ 178.511 @ , \$ 188.569 @ , \$ 180.059 @ , \$ 184.193 @ , \$ 186.877 @ , \$ 5 @ , \$ 194.035 @ , \$ 165.76 @ , \$ 153.454 @ , \$ 173.846 @ , \$ 174.825 @ , \$ 205.657 @ , \$ 181.804 @ , \$ 184.141 @ , \$ 165.362 @ , \$ 183.353 @ , \$ 6 @ , \$ 92.0969 @ , \$ 76.5059 @ , \$ 93.3872 @ , \$ 85.5141 @ , \$ 81.1182 @ , \$ 91.7491 @ , \$ 102.164 @ , \$ 84.0782 @ , \$ 93.042 @ , \$ 76.882 @ , \$ 7 @ , \$ 288.493 @ , \$ 286.681 @ , \$ 275.063 @ , \$ 293.381 @ , \$ 302.003 @ , \$ 316.001 @ , \$ 293.338 @ , \$ 266.907 @ , \$ 298.724 @ , \$ 279.51 @ , \$ 8 @ , \$ 287.114 @ , \$ 300.39 @ , \$ 293.049 @ , \$ 294.444 @ , \$ 283.65 @ , \$ 287.278 @ , \$ 297.838 @ , \$ 296.95 @ , \$ 303.971 @ , \$ 293.202 @ , \$ 9 @ , \$ 195.486 @ , \$ 193.615 @ , \$ 195.186 @ , \$ 197.136 @ , \$ 171.89 @ , \$ 203.871 @ , \$ 180.619 @ , \$ 199.928 @ , \$ 188.947 @ , \$ 201.128 @ , \$ 10 @ , \$ 96.6817 @ , \$ 111.938 @ , \$ 102.909 @ , \$ 111.975 @ , \$ 109.53 @ , \$ 119.361 @ , \$ 120.356 @ , \$ 103.835 @ , \$ 91.6508 @ , \$ 102.585 @ , \$ 11 @ , \$ 263.205 @ , \$ 260.188 @ , \$ 258.181 @ , \$ 261.21 @ , \$ 258.755 @ , \$ 261.893 @ , \$ 259.307 @ , \$ 263.227 @ , \$ 262.709 @ , \$ 262.216 @ , \$ 12 @ , \$ 233.933 @ , \$ 225.022 @ , \$ 228.464 @ , \$ 224.142 @ , \$ 213.541 @ , \$ 223.114 @ , \$ 227.312 @ , \$ 227.145 @ , \$ 229.889 @ , \$ 219.654 @ , \$ 13 @ , \$ 139.335 @ , \$ 136.619 @ , \$ 138.338 @ , \$ 142.385 @ , \$ 132.438 @ , \$ 148.678 @ , \$ 142.338 @ , \$ 152.386 @ , \$ 128.819 @ , \$ 142.254 @ , \$ 14 @ , \$ 264.226 @ , \$ 270.963 @ , \$ 263.961 @ , \$ 274.004 @ , \$ 272.978 @ , \$ 275.462 @ , \$ 275.653 @ , \$ 275.29 @ , \$ 279.396 @ , \$ 265.819 @ , \$ 15 @ , \$ 132.395 @ , \$ 139.941 @ , \$ 147.533 @ , \$ 156.759 @ , \$ 165.25 @ , \$ 159.565 @ , \$ 176.813 @ , \$ 149.585 @ , \$ 161.146 @ , \$ 164.48 @ , \$

#### CE19B047

Alpha = 0.0463682

post anova t-test pairs after sorting the sample means in descending order

3,8

10,14

1 @ , \$ 269.985 @ , \$ 263.644 @ , \$ 259.17 @ , \$ 260.664 @ , \$ 258.615 @ , \$ 299.538 @ , \$ 266.522 @ , \$ 265.11 @ , \$ 268.211 @ , \$ 261.788 @ , \$ 2 @ , \$ 92.7268 @ , \$ 90.4556 @ , \$ 99.2265 @ , \$ 73.1599 @ , \$ 71.5393 @ , \$ 94.9798 @ , \$ 112.64 @ , \$ 88.8969 @ , \$ 91.2038 @ , \$ 93.344 @ , \$ 3 @ , \$ 185.611 @ , \$ 185.661 @ , \$ 185.447 @ , \$ 185.467 @ , \$ 185.267 @ , \$ 201.629 @ , \$ 185.231 @ , \$ 185.199 @ , \$ 185.511 @ , \$ 185.355 @ , \$

4 @, \$ 162.811 @, \$ 157.15 @, \$ 161.925 @, \$ 161.937 @, \$ 159.201 @, \$ 158.513 @, \$ 165.161 @, \$ 155.062 @, \$ 151.393 @, \$ 143.841 @, \$ 5 @, \$ 94.8136 @, \$ 65.1244 @, \$ 66.3061 @, \$ 80.6803 @, \$ 81.4463 @, \$ 75.6118 @, \$ 78.1195 @, \$ 69.145 @, \$ 88.529 @, \$ 75.8385 @, \$ 6 @, \$ 88.2099 @, \$ 101.839 @, \$ 94.3047 @, \$ 72.5149 @, \$ 82.3514 @, \$ 72.5314 @, \$ 83.7011 @, \$ 92.2562 @, \$ 86.7703 @, \$ 88.3096 @, \$ 7 @, \$ 165.112 @, \$ 162.534 @, \$ 177.401 @, \$ 167.936 @, \$ 175.591 @, \$ 187.823 @, \$ 175.519 @, \$ 158.939 @, \$ 162.329 @, \$ 168.317 @, \$ 8 @, \$ 241.981 @, \$ 243.185 @, \$ 242.825 @, \$ 241.799 @, \$ 243.767 @, \$ 255.31 @, \$ 242.526 @, \$ 242.907 @, \$ 240.872 @, \$ 243.241 @, \$ 9 @, \$ 51.8008 @, \$ 56.4254 @, \$ 47.5049 @, \$ 46.2662 @, \$ 54.1065 @, \$ 62.4269 @, \$ 46.4745 @, \$ 43.5203 @, \$ 52.9588 @, \$ 50.2755 @, \$ 10 @, \$ 188.535 @, \$ 186.329 @, \$ 191.432 @, \$ 187.961 @, \$ 187.609 @, \$ 190.663 @, \$ 185.791 @, \$ 186.351 @, \$ 187.5 @, \$ 185.178 @, \$ 11 @, \$ 55.6716 @, \$ 60.497 @, \$ 58.1539 @, \$ 37.329 @, \$ 46.4742 @, \$ 50.1567 @, \$ 67.5184 @, \$ 47.4747 @, \$ 67.4126 @, \$ 60.2825 @, \$ 12 @, \$ 0.829589 @, \$ 10.3111 @, \$ 18.7349 @, \$ 24.5809 @, \$ 11.5594 @, \$ 41.9213 @, \$ 14.1089 @, \$ 31.4599 @, \$ 16.5994 @, \$ 0.619617 @, \$ 13 @, \$ 53.8422 @, \$ 51.6752 @, \$ 52.4583 @, \$ 52.2255 @, \$ 51.2232 @, \$ 77.6427 @, \$ 60.3429 @, \$ 55.3427 @, \$ 55.1595 @, \$ 57.1954 @, \$ 14 @, \$ 275.215 @, \$ 264.525 @, \$ 261.898 @, \$ 267.669 @, \$ 272.788 @, \$ 290.364 @, \$ 270.682 @, \$ 266.666 @, \$ 282.699 @, \$ 266.731 @, \$ 15 @, \$ 192.141 @, \$ 168.245 @, \$ 184.191 @, \$ 169.606 @, \$ 180.352 @, \$ 186.329 @, \$ 180.13 @, \$ 172.582 @, \$ 178.213 @, \$ 183.451 @, \$

CE19B051

Alpha = 0.0365243

post anova t-test pairs after sorting the sample means in descending order

3,4

9,15

1 @, \$ 173.257 @, \$ 178.066 @, \$ 168.463 @, \$ 181.02 @, \$ 162.943 @, \$ 196.951 @, \$ 185.494 @, \$ 173.081 @, \$ 178.183 @, \$ 185.063 @, \$ 2 @, \$ 42.5186 @, \$ 55.7605 @, \$ 51.8378 @, \$ 57.737 @, \$ 55.9103 @, \$ 56.5351 @, \$ 61.3698 @, \$ 62.0046 @, \$ 58.6332 @, \$ 53.9069 @, \$ 3 @, \$ 180.793 @, \$ 169.474 @, \$ 176.648 @, \$ 174.028 @, \$ 162.267 @, \$ 184.723 @, \$ 172.956 @, \$ 159.278 @, \$ 183.373 @, \$ 176.769 @, \$ 4 @, \$ 159.997 @, \$ 163.656 @, \$ 159.26 @, \$ 146.231 @, \$ 153.778 @, \$ 175.37 @, \$ 155.841 @, \$ 181.331 @, \$ 178.443 @, \$ 179.342 @, \$ 5 @, \$ 232.924 @, \$ 234.433 @, \$ 236.694 @, \$ 230.451 @, \$ 232.391 @, \$ 259.888 @, \$ 228.402 @, \$ 228.841 @, \$ 234.916 @, \$ 229.09 @, \$ 6 @, \$ 82.5528 @, \$ 99.9021 @, \$ 91.6138 @, \$ 99.6921 @, \$ 100.007 @, \$ 107.5 @, \$ 93.5045 @, \$ 100.013 @, \$ 90.9934 @, \$ 101.057 @, \$ 7 @, \$ 158.659 @, \$ 156.046 @, \$ 162.314 @, \$ 160.606 @, \$ 158.391 @, \$ 164.509 @, \$ 159.335 @, \$ 162.333 @, \$ 158.867 @, \$ 156.862 @, \$ 8 @, \$ 26.2663 @, \$ 34.7923 @, \$ 22.2829 @, \$ 30.5114 @, \$ 28.5711 @, \$ 46.1053 @, \$ 22.5109 @, \$ 20.1042 @, \$ 33.3738 @, \$ 27.0562 @, \$ 9 @, \$ 268.532 @, \$ 267.631 @, \$ 247.613 @, \$ 262.247 @, \$ 276.343 @, \$ 270.597 @, \$ 238.818 @, \$ 265.085 @, \$ 254.972 @, \$ 262.814 @, \$ 10 @, \$ 283.198 @, \$ 289.767 @, \$ 294.182 @, \$ 290.171 @, \$ 279.974 @, \$ 289.859 @, \$ 278.361 @, \$ 278.456 @, \$ 283.706 @, \$ 281.99 @, \$ 11 @, \$ 218.056 @, \$ 222.969 @, \$ 225.323 @, \$ 218.428 @, \$ 222.607 @, \$ 225.13 @, \$ 227.13 @, \$ 224.417 @, \$ 224.629 @, \$ 225.424 @, \$ 12 @, \$ 132.099 @, \$ 137.575 @, \$ 114.048 @, \$ 132.038 @, \$ 112.278 @, \$ 135.881 @, \$ 126.416 @, \$

126.413 @, \$ 121.83 @, \$ 120.343 @, \$  
13 @, \$ 191.462 @, \$ 174.286 @, \$ 188.488 @, \$ 190.945 @, \$ 200.484 @, \$ 168.375 @, \$ 182.503 @, \$  
185.522 @, \$ 188.121 @, \$ 187.925 @, \$  
14 @, \$ 226.211 @, \$ 239.84 @, \$ 233.844 @, \$ 238.248 @, \$ 246.008 @, \$ 246.174 @, \$ 249.34 @, \$ 249.457  
@, \$ 248.589 @, \$ 240.111 @, \$  
15 @, \$ 212.41 @, \$ 219.977 @, \$ 216.512 @, \$ 222.624 @, \$ 211.698 @, \$ 238.378 @, \$ 219.923 @, \$ 218.065  
@, \$ 212.312 @, \$ 225.877 @, \$

#### CE19B053

Alpha = 0.0214527

post anova t-test pairs after sorting the sample means in descending order

3,7

10,15

1 @, \$ 187.468 @, \$ 182.17 @, \$ 176.466 @, \$ 173.356 @, \$ 187.139 @, \$ 207.462 @, \$ 175.665 @, \$ 187.378  
@, \$ 172.145 @, \$ 187.578 @, \$  
2 @, \$ 24.0043 @, \$ 9.04245 @, \$ 26.08 @, \$ 21.8076 @, \$ 20.3223 @, \$ 37.5325 @, \$ 20.7777 @, \$ 12.081 @,  
\$ 6.98069 @, \$ 25.1949 @, \$  
3 @, \$ 297.647 @, \$ 290.613 @, \$ 291.841 @, \$ 270.364 @, \$ 301.87 @, \$ 285.373 @, \$ 285.256 @, \$ 301.133  
@, \$ 287.76 @, \$ 279.785 @, \$  
4 @, \$ 89.7784 @, \$ 80.9091 @, \$ 90.9437 @, \$ 98.5357 @, \$ 80.9957 @, \$ 95.2834 @, \$ 100.164 @, \$ 85.1747  
@, \$ 81.0631 @, \$ 77.2249 @, \$  
5 @, \$ 12.2405 @, \$ 35.8488 @, \$ 26.1126 @, \$ 28.5813 @, \$ 23.125 @, \$ 32.1048 @, \$ 16.1951 @, \$ 24.6653  
@, \$ 8.14506 @, \$ 20.2123 @, \$  
6 @, \$ 194.351 @, \$ 188.239 @, \$ 189.006 @, \$ 189.905 @, \$ 190.383 @, \$ 199.08 @, \$ 186.428 @, \$ 194.654  
@, \$ 183.074 @, \$ 199.564 @, \$  
7 @, \$ 143.359 @, \$ 147.655 @, \$ 154.7 @, \$ 152.896 @, \$ 153.37 @, \$ 178.26 @, \$ 137.476 @, \$ 153.617 @, \$  
162.94 @, \$ 162.237 @, \$  
8 @, \$ 105.577 @, \$ 101.364 @, \$ 112.713 @, \$ 115.539 @, \$ 112.512 @, \$ 106.213 @, \$ 110.979 @, \$ 108.436  
@, \$ 104.881 @, \$ 105.87 @, \$  
9 @, \$ 173.976 @, \$ 177.538 @, \$ 180.873 @, \$ 184.419 @, \$ 187.973 @, \$ 181.32 @, \$ 186.215 @, \$ 177.399  
@, \$ 183.68 @, \$ 193.404 @, \$  
10 @, \$ 289.75 @, \$ 289.623 @, \$ 288.354 @, \$ 291.503 @, \$ 284.735 @, \$ 292.353 @, \$ 284.303 @, \$ 283.003  
@, \$ 287.98 @, \$ 290.232 @, \$  
11 @, \$ 10.86 @, \$ 4.22786 @, \$ 21.4289 @, \$ 40.7036 @, \$ 26.0262 @, \$ 46.9466 @, \$ 23.3645 @, \$ 28.1884  
@, \$ 19.862 @, \$ 12.1459 @, \$  
12 @, \$ 190.889 @, \$ 197.998 @, \$ 178.421 @, \$ 175.978 @, \$ 187.189 @, \$ 192.891 @, \$ 176.455 @, \$  
176.904 @, \$ 185.16 @, \$ 175.488 @, \$  
13 @, \$ 162.423 @, \$ 156.279 @, \$ 165.16 @, \$ 170.766 @, \$ 163.921 @, \$ 153.884 @, \$ 160.48 @, \$ 159.546  
@, \$ 165.615 @, \$ 159.854 @, \$  
14 @, \$ 204.21 @, \$ 189.316 @, \$ 183.54 @, \$ 216.514 @, \$ 196.314 @, \$ 208.81 @, \$ 200.91 @, \$ 196.738 @,  
\$ 183.802 @, \$ 185.656 @, \$  
15 @, \$ 162.728 @, \$ 181.026 @, \$ 181.534 @, \$ 162.687 @, \$ 164.43 @, \$ 177.379 @, \$ 163.807 @, \$ 191.948  
@, \$ 175.539 @, \$ 170.12 @, \$

#### CE19B054

Alpha = 0.0654654

post anova t-test pairs after sorting the sample means in descending order

2,4

10,14

1 @, \$ 276.516 @, \$ 250.077 @, \$ 260.152 @, \$ 250.017 @, \$ 256.354 @, \$ 244.784 @, \$ 254.651 @, \$ 262.255  
@, \$ 238.278 @, \$ 258.256 @, \$  
2 @, \$ 213.344 @, \$ 216.016 @, \$ 220.185 @, \$ 242.065 @, \$ 225.796 @, \$ 228.629 @, \$ 211.046 @, \$ 225.093

@, \$ 211.876 @, \$ 222.206 @, \$  
3 @, \$ 299.913 @, \$ 290.587 @, \$ 294.51 @, \$ 301.113 @, \$ 297.582 @, \$ 322.292 @, \$ 291.944 @, \$ 302.877  
@, \$ 300.167 @, \$ 301.104 @, \$  
4 @, \$ 64.1552 @, \$ 62.5071 @, \$ 62.2791 @, \$ 54.1163 @, \$ 69.2885 @, \$ 66.3264 @, \$ 42.1759 @, \$ 53.4371  
@, \$ 41.4258 @, \$ 73.8179 @, \$  
5 @, \$ 258.998 @, \$ 244.582 @, \$ 262.923 @, \$ 257.294 @, \$ 260.085 @, \$ 260.552 @, \$ 247.35 @, \$ 251.929  
@, \$ 258.662 @, \$ 264.897 @, \$  
6 @, \$ 202.161 @, \$ 196.295 @, \$ 212.793 @, \$ 214.656 @, \$ 212.023 @, \$ 241.79 @, \$ 215.847 @, \$ 204.357  
@, \$ 206.614 @, \$ 219.694 @, \$  
7 @, \$ 267.921 @, \$ 287.265 @, \$ 271.132 @, \$ 289.739 @, \$ 275.311 @, \$ 276.995 @, \$ 253.482 @, \$ 280.2 @,  
\$ 289.617 @, \$ 263.482 @, \$  
8 @, \$ 193.402 @, \$ 195.556 @, \$ 192.976 @, \$ 192.859 @, \$ 184.807 @, \$ 201.569 @, \$ 189.818 @, \$ 194.651  
@, \$ 196.175 @, \$ 196.469 @, \$  
9 @, \$ 156.53 @, \$ 156.359 @, \$ 154.26 @, \$ 152.848 @, \$ 154.71 @, \$ 171.506 @, \$ 155.855 @, \$ 157.979 @,  
\$ 154.811 @, \$ 155.466 @, \$  
10 @, \$ 71.1327 @, \$ 74.668 @, \$ 76.9893 @, \$ 65.8559 @, \$ 79.6403 @, \$ 73.8034 @, \$ 90.2263 @, \$ 81.5222  
@, \$ 76.8874 @, \$ 61.0106 @, \$  
11 @, \$ 207.075 @, \$ 209.472 @, \$ 208.188 @, \$ 208.735 @, \$ 208.076 @, \$ 215.645 @, \$ 208.074 @, \$  
207.194 @, \$ 208.986 @, \$ 207.494 @, \$  
12 @, \$ 33.0687 @, \$ 15.7385 @, \$ 30.7031 @, \$ 3.70074 @, \$ 38.9848 @, \$ 28.8231 @, \$ 32.0223 @, \$  
37.2185 @, \$ 19.5303 @, \$ 34.4964 @, \$  
13 @, \$ 77.0755 @, \$ 79.8812 @, \$ 78.988 @, \$ 87.2132 @, \$ 82.3141 @, \$ 103.891 @, \$ 93.5267 @, \$ 74.2158  
@, \$ 76.7841 @, \$ 91.1647 @, \$  
14 @, \$ 275.279 @, \$ 284.521 @, \$ 270.414 @, \$ 271.677 @, \$ 285.779 @, \$ 278.749 @, \$ 278.867 @, \$  
269.577 @, \$ 281.049 @, \$ 275.812 @, \$  
15 @, \$ 228.933 @, \$ 253.088 @, \$ 245.071 @, \$ 239.466 @, \$ 250.441 @, \$ 224.031 @, \$ 225.323 @, \$  
233.477 @, \$ 233.864 @, \$ 229.454 @, \$

CE19B055

Alpha = 0.0730557

post anova t-test pairs after sorting the sample means in descending order

2,8

11,14

1 @, \$ 151.519 @, \$ 136.904 @, \$ 142.188 @, \$ 157.191 @, \$ 125.77 @, \$ 127.373 @, \$ 129.605 @, \$ 133.193  
@, \$ 127.653 @, \$ 134.025 @, \$  
2 @, \$ 75.2805 @, \$ 73.1611 @, \$ 73.5816 @, \$ 79.8009 @, \$ 79.6711 @, \$ 89.3772 @, \$ 73.1566 @, \$ 76.8809  
@, \$ 75.6618 @, \$ 76.7272 @, \$  
3 @, \$ 141.227 @, \$ 147.835 @, \$ 148.704 @, \$ 143.025 @, \$ 134.731 @, \$ 147.76 @, \$ 134.747 @, \$ 143.046  
@, \$ 153.61 @, \$ 146.274 @, \$  
4 @, \$ 223.556 @, \$ 220.076 @, \$ 226.295 @, \$ 229.802 @, \$ 232.973 @, \$ 229.271 @, \$ 229.93 @, \$ 232.265  
@, \$ 228.735 @, \$ 223.078 @, \$  
5 @, \$ 249.502 @, \$ 280.679 @, \$ 256.679 @, \$ 275.175 @, \$ 255.522 @, \$ 256.437 @, \$ 255.563 @, \$ 285.908  
@, \$ 260.816 @, \$ 255.028 @, \$  
6 @, \$ 304.35 @, \$ 300.497 @, \$ 298.407 @, \$ 304.944 @, \$ 285.036 @, \$ 310.151 @, \$ 298.038 @, \$ 309.158  
@, \$ 286.668 @, \$ 295.081 @, \$  
7 @, \$ 87.6723 @, \$ 92.751 @, \$ 98.7127 @, \$ 103.411 @, \$ 86.5287 @, \$ 125.459 @, \$ 86.3585 @, \$ 99.3393  
@, \$ 98.9618 @, \$ 94.922 @, \$  
8 @, \$ 271.922 @, \$ 272.38 @, \$ 264.318 @, \$ 284.865 @, \$ 282.282 @, \$ 285.111 @, \$ 282.166 @, \$ 263.672  
@, \$ 292.987 @, \$ 271.44 @, \$  
9 @, \$ 84.547 @, \$ 84.8839 @, \$ 84.7162 @, \$ 85.3901 @, \$ 82.8119 @, \$ 89.424 @, \$ 83.7516 @, \$ 83.7161 @,  
\$ 86.3386 @, \$ 84.834 @, \$  
10 @, \$ 165.76 @, \$ 167.924 @, \$ 174.797 @, \$ 177.693 @, \$ 184.497 @, \$ 173.554 @, \$ 192.239 @, \$ 184.594  
@, \$ 170.314 @, \$ 187.342 @, \$

11 @ , \$ 211.562 @ , \$ 197.83 @ , \$ 200.316 @ , \$ 202.922 @ , \$ 213.511 @ , \$ 207.805 @ , \$ 197.611 @ , \$ 190.901 @ , \$ 201.705 @ , \$ 193.993 @ , \$ 12 @ , \$ 263.388 @ , \$ 258.199 @ , \$ 260.227 @ , \$ 256.602 @ , \$ 264.283 @ , \$ 242.455 @ , \$ 268.061 @ , \$ 267.41 @ , \$ 261.928 @ , \$ 266.032 @ , \$ 13 @ , \$ 90.1803 @ , \$ 94.2462 @ , \$ 73.8369 @ , \$ 95.4454 @ , \$ 98.1763 @ , \$ 116.38 @ , \$ 69.7511 @ , \$ 100.119 @ , \$ 79.8588 @ , \$ 110.847 @ , \$ 14 @ , \$ 207.249 @ , \$ 206.195 @ , \$ 215.444 @ , \$ 218.471 @ , \$ 209.245 @ , \$ 218.577 @ , \$ 211.17 @ , \$ 215.684 @ , \$ 208.931 @ , \$ 219.695 @ , \$ 15 @ , \$ 10.9414 @ , \$ 27.6433 @ , \$ 36.9512 @ , \$ 22.2904 @ , \$ 22.1001 @ , \$ 49.7448 @ , \$ 19.7626 @ , \$ 29.2452 @ , \$ 29.0339 @ , \$ 37.2798 @ , \$

#### CE19B057

Alpha = 0.0558854

post anova t-test pairs after sorting the sample means in descending order

3,4

9,13

1 @ , \$ 116.779 @ , \$ 96.4353 @ , \$ 93.9092 @ , \$ 125.114 @ , \$ 113.024 @ , \$ 99.4467 @ , \$ 110.035 @ , \$ 96.8102 @ , \$ 110.435 @ , \$ 116.853 @ , \$ 2 @ , \$ 222.023 @ , \$ 222.986 @ , \$ 225.022 @ , \$ 216.695 @ , \$ 226.899 @ , \$ 229.016 @ , \$ 227.882 @ , \$ 231.38 @ , \$ 237.391 @ , \$ 222.14 @ , \$ 3 @ , \$ 123.638 @ , \$ 118.58 @ , \$ 126.023 @ , \$ 138.78 @ , \$ 118.746 @ , \$ 133.361 @ , \$ 106.481 @ , \$ 119.817 @ , \$ 128.129 @ , \$ 135.265 @ , \$ 4 @ , \$ 158.243 @ , \$ 150.488 @ , \$ 148.629 @ , \$ 151.434 @ , \$ 154.953 @ , \$ 166.32 @ , \$ 151.416 @ , \$ 156.36 @ , \$ 157.519 @ , \$ 144.258 @ , \$ 5 @ , \$ 164.127 @ , \$ 156.914 @ , \$ 175.564 @ , \$ 174.749 @ , \$ 170.567 @ , \$ 176.018 @ , \$ 169.864 @ , \$ 175.019 @ , \$ 168.29 @ , \$ 174.099 @ , \$ 6 @ , \$ 276.886 @ , \$ 276.614 @ , \$ 272.554 @ , \$ 280.648 @ , \$ 275.077 @ , \$ 288.45 @ , \$ 278.199 @ , \$ 277.239 @ , \$ 280.152 @ , \$ 278.957 @ , \$ 7 @ , \$ 60.2971 @ , \$ 60.2698 @ , \$ 60.7551 @ , \$ 60.9482 @ , \$ 61.2248 @ , \$ 70.1255 @ , \$ 63.6283 @ , \$ 59.5626 @ , \$ 60.343 @ , \$ 60.2065 @ , \$ 8 @ , \$ 174.441 @ , \$ 177.713 @ , \$ 178.219 @ , \$ 174.874 @ , \$ 174.844 @ , \$ 198.562 @ , \$ 173.953 @ , \$ 178.564 @ , \$ 176.868 @ , \$ 174.13 @ , \$ 9 @ , \$ 233.615 @ , \$ 244.477 @ , \$ 232.978 @ , \$ 239.335 @ , \$ 226.827 @ , \$ 239.118 @ , \$ 228.799 @ , \$ 218.869 @ , \$ 229.341 @ , \$ 213.012 @ , \$ 10 @ , \$ 266.043 @ , \$ 256.809 @ , \$ 258.74 @ , \$ 259.186 @ , \$ 258.452 @ , \$ 266.859 @ , \$ 263.591 @ , \$ 260.296 @ , \$ 261.366 @ , \$ 261.155 @ , \$ 11 @ , \$ 217.443 @ , \$ 216.861 @ , \$ 224.2 @ , \$ 222.274 @ , \$ 214.735 @ , \$ 225.035 @ , \$ 217.045 @ , \$ 222.811 @ , \$ 219.387 @ , \$ 210.293 @ , \$ 12 @ , \$ 119.505 @ , \$ 121.521 @ , \$ 126.359 @ , \$ 122.119 @ , \$ 120.133 @ , \$ 144.315 @ , \$ 119.343 @ , \$ 120.073 @ , \$ 118.102 @ , \$ 126.106 @ , \$ 13 @ , \$ 126.513 @ , \$ 125.977 @ , \$ 127.168 @ , \$ 129.828 @ , \$ 122.693 @ , \$ 156.258 @ , \$ 126.293 @ , \$ 127.051 @ , \$ 124.677 @ , \$ 127.519 @ , \$ 14 @ , \$ 275.812 @ , \$ 267.88 @ , \$ 266.164 @ , \$ 272.11 @ , \$ 270.046 @ , \$ 286.257 @ , \$ 277.013 @ , \$ 276.425 @ , \$ 274.359 @ , \$ 274.876 @ , \$ 15 @ , \$ 222.942 @ , \$ 200.7 @ , \$ 218.631 @ , \$ 213.713 @ , \$ 204.258 @ , \$ 217.865 @ , \$ 223.509 @ , \$ 219.796 @ , \$ 212.681 @ , \$ 208.845 @ , \$

#### CE19B062

Alpha = 0.027257

post anova t-test pairs after sorting the sample means in descending order

2,4

10,15

1 @ , \$ 188.228 @ , \$ 183.08 @ , \$ 196.243 @ , \$ 193.979 @ , \$ 195.409 @ , \$ 189.699 @ , \$ 190.344 @ , \$ 178.335 @ , \$ 183.917 @ , \$ 178.416 @ , \$ 2 @ , \$ 259.236 @ , \$ 260.883 @ , \$ 242.73 @ , \$ 241.241 @ , \$ 233.713 @ , \$ 256.272 @ , \$ 239.379 @ , \$ 246.197 @ , \$ 243.184 @ , \$ 233.941 @ , \$ 3 @ , \$ 124.072 @ , \$ 124.226 @ , \$ 117.359 @ , \$ 120.033 @ , \$ 125.64 @ , \$ 134.169 @ , \$ 126.203 @ , \$ 121.469 @ , \$ 121.299 @ , \$ 119.527 @ , \$ 4 @ , \$ 208.826 @ , \$ 204.211 @ , \$ 206.414 @ , \$ 208.783 @ , \$ 207.66 @ , \$ 219.575 @ , \$ 208.703 @ , \$ 206.109 @ , \$ 208.052 @ , \$ 206.868 @ , \$ 5 @ , \$ 287.502 @ , \$ 292.819 @ , \$ 288.355 @ , \$ 286.734 @ , \$ 276.54 @ , \$ 289.27 @ , \$ 295.583 @ , \$ 291.759 @ , \$ 286.822 @ , \$ 286.429 @ , \$ 6 @ , \$ 277.455 @ , \$ 268.988 @ , \$ 264.258 @ , \$ 281.035 @ , \$ 284.726 @ , \$ 263.459 @ , \$ 262.587 @ , \$ 292.554 @ , \$ 277.335 @ , \$ 282.852 @ , \$ 7 @ , \$ 17.7806 @ , \$ 18.0418 @ , \$ 18.8163 @ , \$ 14.9942 @ , \$ 22.5358 @ , \$ 33.5305 @ , \$ 16.8457 @ , \$ 29.586 @ , \$ 19.4808 @ , \$ 21.7046 @ , \$ 8 @ , \$ 14.7968 @ , \$ 15.9777 @ , \$ 6.56146 @ , \$ 16.6832 @ , \$ 13.5969 @ , \$ 29.7131 @ , \$ 13.8332 @ , \$ 15.6319 @ , \$ 11.4463 @ , \$ 8.18557 @ , \$ 9 @ , \$ 199.324 @ , \$ 189.968 @ , \$ 189.585 @ , \$ 191.277 @ , \$ 195.282 @ , \$ 201.683 @ , \$ 188.942 @ , \$ 197.42 @ , \$ 193.629 @ , \$ 195.097 @ , \$ 10 @ , \$ 303.358 @ , \$ 303.706 @ , \$ 307.23 @ , \$ 315.008 @ , \$ 312.383 @ , \$ 304.537 @ , \$ 299.394 @ , \$ 299.54 @ , \$ 305.158 @ , \$ 301.361 @ , \$ 11 @ , \$ 233.33 @ , \$ 244.21 @ , \$ 223.103 @ , \$ 235.991 @ , \$ 239.439 @ , \$ 243.533 @ , \$ 243.856 @ , \$ 232.274 @ , \$ 236.282 @ , \$ 227.052 @ , \$ 12 @ , \$ 155.012 @ , \$ 158.674 @ , \$ 157.927 @ , \$ 159.373 @ , \$ 155.845 @ , \$ 173.397 @ , \$ 154.336 @ , \$ 146.47 @ , \$ 164.707 @ , \$ 159.718 @ , \$ 13 @ , \$ 31.8659 @ , \$ 31.6354 @ , \$ 38.321 @ , \$ 47.7941 @ , \$ 20.9731 @ , \$ 39.944 @ , \$ 29.7567 @ , \$ 26.3593 @ , \$ 14.9708 @ , \$ 33.9494 @ , \$ 14 @ , \$ 224.78 @ , \$ 219.778 @ , \$ 230.685 @ , \$ 227.706 @ , \$ 225.082 @ , \$ 241.25 @ , \$ 228.786 @ , \$ 224.867 @ , \$ 224.982 @ , \$ 227.173 @ , \$ 15 @ , \$ 281.723 @ , \$ 298.986 @ , \$ 285.818 @ , \$ 292.858 @ , \$ 293.988 @ , \$ 278.359 @ , \$ 296.353 @ , \$ 288.601 @ , \$ 293.616 @ , \$ 293.952 @ , \$

CE19B063

Alpha = 0.0976452

post anova t-test pairs after sorting the sample means in descending order

2,8

10,15

1 @ , \$ 24.8628 @ , \$ 21.9193 @ , \$ 21.8671 @ , \$ 21.1154 @ , \$ 22.9441 @ , \$ 29.4074 @ , \$ 19.5392 @ , \$ 22.8197 @ , \$ 17.0539 @ , \$ 25.9256 @ , \$ 2 @ , \$ 206.733 @ , \$ 207.712 @ , \$ 208.07 @ , \$ 208.238 @ , \$ 207.34 @ , \$ 217.847 @ , \$ 208.387 @ , \$ 208.931 @ , \$ 208.904 @ , \$ 208.473 @ , \$ 3 @ , \$ 263.991 @ , \$ 269.224 @ , \$ 252.56 @ , \$ 256.899 @ , \$ 250.304 @ , \$ 250.014 @ , \$ 261.814 @ , \$ 269.505 @ , \$ 261.803 @ , \$ 273.428 @ , \$ 4 @ , \$ 94.2423 @ , \$ 79.753 @ , \$ 91.9046 @ , \$ 75.9721 @ , \$ 102.667 @ , \$ 98.7946 @ , \$ 91.2519 @ , \$ 100.572 @ , \$ 94.3543 @ , \$ 87.9196 @ , \$ 5 @ , \$ 59.3355 @ , \$ 66.08 @ , \$ 52.504 @ , \$ 59.6754 @ , \$ 65.3011 @ , \$ 69.5198 @ , \$ 57.861 @ , \$ 61.8437 @ , \$ 57.6969 @ , \$ 59.2379 @ , \$ 6 @ , \$ 121.795 @ , \$ 123.799 @ , \$ 111.133 @ , \$ 118.537 @ , \$ 111.816 @ , \$ 125.255 @ , \$ 121.235 @ , \$ 121.965 @ , \$ 133.438 @ , \$ 135.928 @ , \$ 7 @ , \$ 224.557 @ , \$ 206.461 @ , \$ 216.325 @ , \$ 214.105 @ , \$ 225.941 @ , \$ 234 @ , \$ 216.687 @ , \$ 216.445 @ , \$ 217.961 @ , \$ 220.334 @ , \$ 8 @ , \$ 237.064 @ , \$ 246.808 @ , \$ 256.89 @ , \$ 253.918 @ , \$ 239.475 @ , \$ 263.516 @ , \$ 239.462 @ , \$ 225.576 @ , \$ 244.743 @ , \$ 245.905 @ , \$ 9 @ , \$ 27.6999 @ , \$ 28.9566 @ , \$ 27.308 @ , \$ 40.5352 @ , \$ 41.9913 @ , \$ 42.6931 @ , \$ 38.2714 @ , \$ 32.5705

@, \$ 28.5042 @, \$ 33.0414 @, \$  
10 @, \$ 250.724 @, \$ 249.837 @, \$ 247.531 @, \$ 248.438 @, \$ 252.012 @, \$ 248.6 @, \$ 252.864 @, \$ 249.908  
@, \$ 252.1 @, \$ 252.855 @, \$  
11 @, \$ 71.2343 @, \$ 73.2626 @, \$ 71.8591 @, \$ 73.6385 @, \$ 70.8149 @, \$ 79.3398 @, \$ 71.5589 @, \$ 70.494  
@, \$ 70.9682 @, \$ 78.6637 @, \$  
12 @, \$ 132.638 @, \$ 144.104 @, \$ 147.809 @, \$ 144.783 @, \$ 146.846 @, \$ 155.13 @, \$ 135.486 @, \$ 141.936  
@, \$ 143.012 @, \$ 141.899 @, \$  
13 @, \$ 178.379 @, \$ 181.536 @, \$ 178.316 @, \$ 162.24 @, \$ 167.212 @, \$ 196.569 @, \$ 175.301 @, \$ 177.53  
@, \$ 168.354 @, \$ 172.243 @, \$  
14 @, \$ 246.522 @, \$ 245.528 @, \$ 247.735 @, \$ 254.128 @, \$ 235.013 @, \$ 261.537 @, \$ 243.355 @, \$  
245.845 @, \$ 240.39 @, \$ 236.49 @, \$  
15 @, \$ 42.6605 @, \$ 30.8657 @, \$ 30.3822 @, \$ 34.1809 @, \$ 42.8985 @, \$ 53.95 @, \$ 36.395 @, \$ 45.7058 @,  
\$ 32.6688 @, \$ 29.4728 @, \$

CE19B064

Alpha = 0.0726067

post anova t-test pairs after sorting the sample means in descending order

3,6

12,14

1 @, \$ 153.689 @, \$ 155.213 @, \$ 163.029 @, \$ 162.983 @, \$ 171.233 @, \$ 161.241 @, \$ 166.055 @, \$ 157.872  
@, \$ 161.803 @, \$ 162.97 @, \$  
2 @, \$ 245.445 @, \$ 246.136 @, \$ 246.229 @, \$ 249.02 @, \$ 244.832 @, \$ 251.52 @, \$ 247.885 @, \$ 245.643 @,  
\$ 244.153 @, \$ 246.933 @, \$  
3 @, \$ 128.05 @, \$ 139.178 @, \$ 134.84 @, \$ 136.588 @, \$ 126.15 @, \$ 140.404 @, \$ 141.424 @, \$ 135.831 @,  
\$ 133.761 @, \$ 131.523 @, \$  
4 @, \$ 97.9917 @, \$ 94.172 @, \$ 104.431 @, \$ 103.23 @, \$ 95.5827 @, \$ 117.477 @, \$ 82.2936 @, \$ 104.766 @,  
\$ 82.734 @, \$ 106.315 @, \$  
5 @, \$ 30.7487 @, \$ 30.8356 @, \$ 31.7098 @, \$ 27.8438 @, \$ 28.5436 @, \$ 31.8951 @, \$ 26.6601 @, \$ 29.1055  
@, \$ 20.3828 @, \$ 35.6102 @, \$  
6 @, \$ 226.266 @, \$ 227.504 @, \$ 226.321 @, \$ 228.246 @, \$ 227.922 @, \$ 236.952 @, \$ 226.95 @, \$ 227.42 @,  
\$ 226.984 @, \$ 227.109 @, \$  
7 @, \$ 179.605 @, \$ 184.928 @, \$ 186.82 @, \$ 187.312 @, \$ 157.845 @, \$ 181.707 @, \$ 180.273 @, \$ 177.014  
@, \$ 165.321 @, \$ 177.669 @, \$  
8 @, \$ 243.716 @, \$ 232.861 @, \$ 227.535 @, \$ 236.268 @, \$ 238.355 @, \$ 243.77 @, \$ 226.284 @, \$ 251.147  
@, \$ 232.397 @, \$ 226.195 @, \$  
9 @, \$ 270.782 @, \$ 274.414 @, \$ 275.833 @, \$ 274.302 @, \$ 278.637 @, \$ 288.669 @, \$ 277.855 @, \$ 277.852  
@, \$ 281.519 @, \$ 278.121 @, \$  
10 @, \$ 281.504 @, \$ 280.721 @, \$ 297.443 @, \$ 287.795 @, \$ 272.53 @, \$ 276.461 @, \$ 277.409 @, \$ 283.296  
@, \$ 279.796 @, \$ 286.296 @, \$  
11 @, \$ 115.913 @, \$ 119.596 @, \$ 111.536 @, \$ 113.147 @, \$ 113.597 @, \$ 131.317 @, \$ 130.873 @, \$  
117.568 @, \$ 124.217 @, \$ 118.843 @, \$  
12 @, \$ 65.6174 @, \$ 54.0401 @, \$ 54.7416 @, \$ 51.7145 @, \$ 56.9302 @, \$ 54.2231 @, \$ 51.6421 @, \$  
69.9768 @, \$ 70.5394 @, \$ 69.4212 @, \$  
13 @, \$ 211.304 @, \$ 231.84 @, \$ 221.51 @, \$ 214.814 @, \$ 215.287 @, \$ 239.953 @, \$ 226.859 @, \$ 227.534  
@, \$ 226.432 @, \$ 214.505 @, \$  
14 @, \$ 66.0654 @, \$ 67.0697 @, \$ 56.0931 @, \$ 66.961 @, \$ 58.0162 @, \$ 73.866 @, \$ 73.0256 @, \$ 56.7173  
@, \$ 62.6652 @, \$ 56.087 @, \$  
15 @, \$ 171.06 @, \$ 166.48 @, \$ 165.214 @, \$ 167.087 @, \$ 169.546 @, \$ 170.135 @, \$ 159.801 @, \$ 159.681  
@, \$ 146.171 @, \$ 158.576 @, \$

CE19B066

Alpha = 0.0466505

post anova t-test pairs after sorting the sample means in descending order

1,8

10,15

1 @ , \$ 258.793 @ , \$ 260.63 @ , \$ 258.387 @ , \$ 258.455 @ , \$ 258.063 @ , \$ 254.168 @ , \$ 252.102 @ , \$ 251.341 @ , \$ 256.65 @ , \$ 260.091 @ , \$  
2 @ , \$ 73.4672 @ , \$ 63.791 @ , \$ 67.4475 @ , \$ 71.4929 @ , \$ 69.2099 @ , \$ 86.6938 @ , \$ 56.4729 @ , \$ 80.4892 @ , \$ 77.2691 @ , \$ 62.5201 @ , \$  
3 @ , \$ 149.856 @ , \$ 150.632 @ , \$ 166.134 @ , \$ 170.66 @ , \$ 181.918 @ , \$ 170.307 @ , \$ 161.193 @ , \$ 164.521 @ , \$ 151.785 @ , \$ 155.261 @ , \$  
4 @ , \$ 180.047 @ , \$ 179.308 @ , \$ 181.126 @ , \$ 194.278 @ , \$ 176.541 @ , \$ 179.038 @ , \$ 177.958 @ , \$ 179.039 @ , \$ 180.81 @ , \$ 182.844 @ , \$  
5 @ , \$ 213.198 @ , \$ 219.474 @ , \$ 226.804 @ , \$ 214.745 @ , \$ 223.196 @ , \$ 223.583 @ , \$ 226.274 @ , \$ 223.011 @ , \$ 224.044 @ , \$ 216.207 @ , \$  
6 @ , \$ 53.7381 @ , \$ 56.845 @ , \$ 72.3164 @ , \$ 51.9088 @ , \$ 61.421 @ , \$ 81.6954 @ , \$ 55.5051 @ , \$ 57.2268 @ , \$ 52.2046 @ , \$ 47.7416 @ , \$  
7 @ , \$ 172.412 @ , \$ 172.779 @ , \$ 173.428 @ , \$ 171.967 @ , \$ 175.98 @ , \$ 174.322 @ , \$ 172.269 @ , \$ 174.471 @ , \$ 173.527 @ , \$ 170.461 @ , \$  
8 @ , \$ 238.99 @ , \$ 223.317 @ , \$ 224.101 @ , \$ 225.5 @ , \$ 235.109 @ , \$ 224.803 @ , \$ 234.458 @ , \$ 223.481 @ , \$ 230.2 @ , \$ 231.904 @ , \$  
9 @ , \$ 128.117 @ , \$ 147.27 @ , \$ 132.998 @ , \$ 120.683 @ , \$ 140.922 @ , \$ 165.288 @ , \$ 121.307 @ , \$ 136.55 @ , \$ 117.822 @ , \$ 139.306 @ , \$  
10 @ , \$ 179.99 @ , \$ 178.041 @ , \$ 178.682 @ , \$ 199.183 @ , \$ 197.354 @ , \$ 205.928 @ , \$ 177.891 @ , \$ 194.065 @ , \$ 168.61 @ , \$ 184.977 @ , \$  
11 @ , \$ 94.1673 @ , \$ 109.722 @ , \$ 104.549 @ , \$ 101.725 @ , \$ 78.7016 @ , \$ 91.6006 @ , \$ 88.199 @ , \$ 101.882 @ , \$ 101.044 @ , \$ 119.225 @ , \$  
12 @ , \$ 25.1738 @ , \$ 14.4455 @ , \$ 30.8672 @ , \$ 21.6204 @ , \$ 24.448 @ , \$ 39.6103 @ , \$ 34.4379 @ , \$ 30.6597 @ , \$ 10.8345 @ , \$ 24.2026 @ , \$  
13 @ , \$ 150.314 @ , \$ 146.726 @ , \$ 160.676 @ , \$ 159.585 @ , \$ 153.351 @ , \$ 173.125 @ , \$ 154.032 @ , \$ 157.75 @ , \$ 146.554 @ , \$ 167.5 @ , \$  
14 @ , \$ 54.2537 @ , \$ 51.7847 @ , \$ 56.1302 @ , \$ 52.5652 @ , \$ 49.9544 @ , \$ 55.54 @ , \$ 55.2158 @ , \$ 53.9535 @ , \$ 58.9782 @ , \$ 52.9014 @ , \$  
15 @ , \$ 245.558 @ , \$ 226.064 @ , \$ 231.023 @ , \$ 235.62 @ , \$ 241.358 @ , \$ 227.933 @ , \$ 229.736 @ , \$ 225.565 @ , \$ 229.808 @ , \$ 229.03 @ , \$

CE19B071

Alpha = 0.0332303

post anova t-test pairs after sorting the sample means in descending order

3,6

11,13

1 @ , \$ 189.223 @ , \$ 221.494 @ , \$ 202.693 @ , \$ 219.076 @ , \$ 227.657 @ , \$ 225.98 @ , \$ 206.66 @ , \$ 221.706 @ , \$ 198.258 @ , \$ 204.111 @ , \$  
2 @ , \$ 161.029 @ , \$ 160.856 @ , \$ 152.699 @ , \$ 160.701 @ , \$ 159.753 @ , \$ 152.808 @ , \$ 165.231 @ , \$ 156.633 @ , \$ 140.428 @ , \$ 156.211 @ , \$  
3 @ , \$ 270.736 @ , \$ 265.132 @ , \$ 278.97 @ , \$ 251.263 @ , \$ 265.407 @ , \$ 284.25 @ , \$ 257.955 @ , \$ 269.308 @ , \$ 273.386 @ , \$ 262.413 @ , \$  
4 @ , \$ 229.511 @ , \$ 215.033 @ , \$ 200.787 @ , \$ 210.659 @ , \$ 209.705 @ , \$ 216.524 @ , \$ 222.567 @ , \$ 212.95 @ , \$ 229.135 @ , \$ 201.252 @ , \$  
5 @ , \$ 205.023 @ , \$ 215.407 @ , \$ 218.039 @ , \$ 214.376 @ , \$ 214.533 @ , \$ 221.345 @ , \$ 213.407 @ , \$ 213.698 @ , \$ 207.209 @ , \$ 211.717 @ , \$  
6 @ , \$ 294.993 @ , \$ 298.832 @ , \$ 292.7 @ , \$ 295.333 @ , \$ 290.085 @ , \$ 305.537 @ , \$ 292.093 @ , \$ 291.392 @ , \$ 293.819 @ , \$ 295.507 @ , \$  
7 @ , \$ 90.8443 @ , \$ 101.732 @ , \$ 95.8234 @ , \$ 98.0694 @ , \$ 91.5053 @ , \$ 108.68 @ , \$ 93.0627 @ , \$ 104.149 @ , \$ 104.248 @ , \$ 73.8141 @ , \$

8 @, \$ 140.981 @, \$ 148.508 @, \$ 148.224 @, \$ 155.523 @, \$ 161.584 @, \$ 156.117 @, \$ 146.704 @, \$ 143.094 @, \$ 145.454 @, \$ 162.831 @, \$ 9 @, \$ 226.118 @, \$ 223.568 @, \$ 223.738 @, \$ 214.219 @, \$ 213.578 @, \$ 211.436 @, \$ 228.324 @, \$ 223.972 @, \$ 218.25 @, \$ 214.124 @, \$ 10 @, \$ 200.66 @, \$ 208.318 @, \$ 211.087 @, \$ 217.193 @, \$ 226.284 @, \$ 225.394 @, \$ 222.912 @, \$ 212.351 @, \$ 213.751 @, \$ 205.31 @, \$ 11 @, \$ 223.007 @, \$ 215.452 @, \$ 222.562 @, \$ 216.653 @, \$ 215.095 @, \$ 217.386 @, \$ 232.921 @, \$ 215.727 @, \$ 217.58 @, \$ 213.243 @, \$ 12 @, \$ 119.144 @, \$ 119.034 @, \$ 115.683 @, \$ 125.556 @, \$ 129.765 @, \$ 136.7 @, \$ 132.049 @, \$ 120.788 @, \$ 126.465 @, \$ 123.388 @, \$ 13 @, \$ 273.71 @, \$ 277.721 @, \$ 287.249 @, \$ 282.601 @, \$ 280.28 @, \$ 288.846 @, \$ 282.98 @, \$ 284.481 @, \$ 274.396 @, \$ 286.328 @, \$ 14 @, \$ 84.68 @, \$ 71.4828 @, \$ 75.8015 @, \$ 59.473 @, \$ 49.4193 @, \$ 57.4268 @, \$ 66.5216 @, \$ 49.4145 @, \$ 63.051 @, \$ 69.5028 @, \$ 15 @, \$ 169.707 @, \$ 173.801 @, \$ 157.706 @, \$ 170.606 @, \$ 159.314 @, \$ 183.828 @, \$ 161.812 @, \$ 175.972 @, \$ 175.957 @, \$ 171.251 @, \$

CE19B072

Alpha = 0.0336253

post anova t-test pairs after sorting the sample means in descending order

2,6

10,13

1 @, \$ 41.0269 @, \$ 43.2457 @, \$ 40.407 @, \$ 37.432 @, \$ 33.5166 @, \$ 56.5126 @, \$ 40.8967 @, \$ 41.8838 @, \$ 45.8013 @, \$ 34.4823 @, \$ 2 @, \$ 31.3379 @, \$ 31.1119 @, \$ 38.6517 @, \$ 27.7701 @, \$ 30.0184 @, \$ 33.0819 @, \$ 37.3192 @, \$ 35.0656 @, \$ 39.5246 @, \$ 39.2956 @, \$ 3 @, \$ 164.405 @, \$ 165.245 @, \$ 161.734 @, \$ 165.437 @, \$ 161.893 @, \$ 170.538 @, \$ 165.821 @, \$ 163.344 @, \$ 163.656 @, \$ 165.275 @, \$ 4 @, \$ 52.6546 @, \$ 54.0561 @, \$ 53.8141 @, \$ 54.1777 @, \$ 53.1023 @, \$ 66.5578 @, \$ 52.4681 @, \$ 52.2282 @, \$ 53.2943 @, \$ 53.6599 @, \$ 5 @, \$ 97.5409 @, \$ 99.3664 @, \$ 99.883 @, \$ 81.0178 @, \$ 85.2301 @, \$ 128.206 @, \$ 89.1895 @, \$ 92.4169 @, \$ 89.7138 @, \$ 96.1661 @, \$ 6 @, \$ 233.135 @, \$ 233.52 @, \$ 234.984 @, \$ 234.665 @, \$ 235.358 @, \$ 235.083 @, \$ 234.453 @, \$ 235.057 @, \$ 232.455 @, \$ 234.58 @, \$ 7 @, \$ 156.753 @, \$ 169.201 @, \$ 160.483 @, \$ 160.353 @, \$ 163.946 @, \$ 180.645 @, \$ 158.794 @, \$ 167.699 @, \$ 164.481 @, \$ 163.44 @, \$ 8 @, \$ 265.144 @, \$ 268.121 @, \$ 260.095 @, \$ 264.606 @, \$ 263.188 @, \$ 286.972 @, \$ 266.81 @, \$ 267.06 @, \$ 267.165 @, \$ 268.583 @, \$ 9 @, \$ 79.7828 @, \$ 72.5704 @, \$ 66.4566 @, \$ 76.8504 @, \$ 67.7043 @, \$ 82.1281 @, \$ 68.6403 @, \$ 71.1714 @, \$ 62.2367 @, \$ 70.5359 @, \$ 10 @, \$ 152.02 @, \$ 150.276 @, \$ 148.141 @, \$ 145.525 @, \$ 149.644 @, \$ 156.99 @, \$ 163.759 @, \$ 152.945 @, \$ 142.539 @, \$ 151.203 @, \$ 11 @, \$ 238.27 @, \$ 225.929 @, \$ 233.062 @, \$ 233.883 @, \$ 232.367 @, \$ 222.337 @, \$ 233.721 @, \$ 238.692 @, \$ 236.662 @, \$ 227.599 @, \$ 12 @, \$ 30.7639 @, \$ 25.0523 @, \$ 43.4568 @, \$ 34.1024 @, \$ 41.1447 @, \$ 27.8537 @, \$ 34.2093 @, \$ 17.8635 @, \$ 52.917 @, \$ 29.604 @, \$ 13 @, \$ 156.207 @, \$ 168.391 @, \$ 157.713 @, \$ 141.154 @, \$ 146.47 @, \$ 160.844 @, \$ 154.892 @, \$ 153.874 @, \$ 144.6 @, \$ 147.493 @, \$ 14 @, \$ 66.2676 @, \$ 100.142 @, \$ 85.5004 @, \$ 74.781 @, \$ 67.9111 @, \$ 98.3601 @, \$ 81.4438 @, \$ 85.6678 @, \$ 92.088 @, \$ 80.2918 @, \$ 15 @, \$ 193.814 @, \$ 188.152 @, \$ 194.949 @, \$ 191.955 @, \$ 197.355 @, \$ 220.302 @, \$ 194.043 @, \$ 190.875 @, \$ 199.999 @, \$ 202.503 @, \$

CE19B078

Alpha = 0.0335023

post anova t-test pairs after sorting the sample means in descending order

1,4

9,13

1 @ , \$ 207.305 @ , \$ 192.27 @ , \$ 204.262 @ , \$ 220.054 @ , \$ 207.794 @ , \$ 213.255 @ , \$ 202.489 @ , \$ 200.945 @ , \$ 213.974 @ , \$ 209.469 @ , \$ 2 @ , \$ 57.7711 @ , \$ 66.8774 @ , \$ 66.101 @ , \$ 57.8332 @ , \$ 73.3447 @ , \$ 77.819 @ , \$ 69.1979 @ , \$ 64.1018 @ , \$ 74.3915 @ , \$ 62.3207 @ , \$ 3 @ , \$ 109.547 @ , \$ 118.323 @ , \$ 102.725 @ , \$ 117.509 @ , \$ 110.932 @ , \$ 126.827 @ , \$ 128.327 @ , \$ 118.632 @ , \$ 118.001 @ , \$ 114.166 @ , \$ 4 @ , \$ 16.676 @ , \$ 12.2662 @ , \$ 9.45788 @ , \$ 13.181 @ , \$ 15.2682 @ , \$ 27.1697 @ , \$ 11.5404 @ , \$ 6.33367 @ , \$ 13.937 @ , \$ 18.1728 @ , \$ 5 @ , \$ 39.892 @ , \$ 36.0787 @ , \$ 22.1569 @ , \$ 25.6917 @ , \$ 21.9226 @ , \$ 28.2661 @ , \$ 31.2919 @ , \$ 9.90524 @ , \$ 47.5875 @ , \$ 25.9998 @ , \$ 6 @ , \$ 29.1521 @ , \$ 57.5429 @ , \$ 47.8975 @ , \$ 31.6576 @ , \$ 18.0258 @ , \$ 57.2925 @ , \$ 35.3664 @ , \$ 22.2767 @ , \$ 39.493 @ , \$ 31.2693 @ , \$ 7 @ , \$ 139.305 @ , \$ 149.351 @ , \$ 155.391 @ , \$ 147.934 @ , \$ 138.751 @ , \$ 149.116 @ , \$ 137.895 @ , \$ 149.11 @ , \$ 132.838 @ , \$ 135.954 @ , \$ 8 @ , \$ 72.4294 @ , \$ 66.2875 @ , \$ 57.7186 @ , \$ 77.6321 @ , \$ 67.6534 @ , \$ 105.445 @ , \$ 75.602 @ , \$ 69.7031 @ , \$ 74.1618 @ , \$ 68.1537 @ , \$ 9 @ , \$ 138.577 @ , \$ 142.377 @ , \$ 143.124 @ , \$ 145.559 @ , \$ 139.887 @ , \$ 155.805 @ , \$ 143.95 @ , \$ 136.487 @ , \$ 141.954 @ , \$ 142.218 @ , \$ 10 @ , \$ 120.654 @ , \$ 129.706 @ , \$ 125.998 @ , \$ 125.81 @ , \$ 122.357 @ , \$ 141.306 @ , \$ 130.489 @ , \$ 128.829 @ , \$ 121.149 @ , \$ 122.863 @ , \$ 11 @ , \$ 282.089 @ , \$ 281.979 @ , \$ 296.494 @ , \$ 291.004 @ , \$ 281.18 @ , \$ 296.876 @ , \$ 293.619 @ , \$ 291.948 @ , \$ 278.117 @ , \$ 287.119 @ , \$ 12 @ , \$ 199.74 @ , \$ 202.289 @ , \$ 206.116 @ , \$ 210.592 @ , \$ 214.253 @ , \$ 206.043 @ , \$ 201.008 @ , \$ 204.948 @ , \$ 209.836 @ , \$ 201.89 @ , \$ 13 @ , \$ 125.068 @ , \$ 122.543 @ , \$ 121.198 @ , \$ 131.651 @ , \$ 129.208 @ , \$ 131.546 @ , \$ 123.35 @ , \$ 125.399 @ , \$ 129.128 @ , \$ 125.417 @ , \$ 14 @ , \$ 120.747 @ , \$ 121.293 @ , \$ 147.614 @ , \$ 144.315 @ , \$ 109.835 @ , \$ 173.882 @ , \$ 129.785 @ , \$ 149.706 @ , \$ 145.135 @ , \$ 128.249 @ , \$ 15 @ , \$ 64.0215 @ , \$ 63.9679 @ , \$ 58.5621 @ , \$ 61.6393 @ , \$ 55.686 @ , \$ 58.3669 @ , \$ 61.1107 @ , \$ 54.5634 @ , \$ 62.693 @ , \$ 68.5736 @ , \$

CE19B091

Alpha = 0.0947698

post anova t-test pairs after sorting the sample means in descending order

2,8

12,15

1 @ , \$ 103.545 @ , \$ 111.289 @ , \$ 113.989 @ , \$ 109.934 @ , \$ 97.0716 @ , \$ 98.7342 @ , \$ 100.53 @ , \$ 97.7707 @ , \$ 97.1758 @ , \$ 107.662 @ , \$ 2 @ , \$ 18.1315 @ , \$ 12.3818 @ , \$ 11.3573 @ , \$ 16.865 @ , \$ 14.5315 @ , \$ 18.1091 @ , \$ 9.46244 @ , \$ 15.7439 @ , \$ 12.7032 @ , \$ 16.0643 @ , \$ 3 @ , \$ 285.881 @ , \$ 264.785 @ , \$ 287.657 @ , \$ 255.987 @ , \$ 257.193 @ , \$ 300.782 @ , \$ 259.162 @ , \$ 276.053 @ , \$ 279.135 @ , \$ 265.974 @ , \$ 4 @ , \$ 192.904 @ , \$ 184.053 @ , \$ 200.043 @ , \$ 192.077 @ , \$ 205.912 @ , \$ 190.169 @ , \$ 202.559 @ , \$ 196.41 @ , \$ 194.839 @ , \$ 203.478 @ , \$ 5 @ , \$ 98.8217 @ , \$ 114.035 @ , \$ 111.657 @ , \$ 111.123 @ , \$ 127.896 @ , \$ 130.988 @ , \$ 103.987 @ , \$ 112.335 @ , \$ 113.579 @ , \$ 118.862 @ , \$ 6 @ , \$ 112.288 @ , \$ 109.495 @ , \$ 113.76 @ , \$ 110.472 @ , \$ 107.847 @ , \$ 113.936 @ , \$ 108.946 @ , \$ 99.361 @

, \$ 111.478 @ , \$ 91.7279 @ , \$ 7 @ , \$ 170.537 @ , \$ 184.869 @ , \$ 166.976 @ , \$ 167.802 @ , \$ 172.943 @ , \$ 181.855 @ , \$ 162.738 @ , \$ 179.067 @ , \$ 176.023 @ , \$ 166.175 @ , \$ 8 @ , \$ 167.629 @ , \$ 157.958 @ , \$ 174.696 @ , \$ 165.007 @ , \$ 164.923 @ , \$ 164.259 @ , \$ 167.225 @ , \$ 176.488 @ , \$ 165.283 @ , \$ 165.862 @ , \$ 9 @ , \$ 253.102 @ , \$ 250.791 @ , \$ 263.358 @ , \$ 257.972 @ , \$ 249.529 @ , \$ 280.398 @ , \$ 230.576 @ , \$ 264.119 @ , \$ 262.62 @ , \$ 252.003 @ , \$ 10 @ , \$ 250.864 @ , \$ 250.241 @ , \$ 264.255 @ , \$ 260.276 @ , \$ 257.994 @ , \$ 262.782 @ , \$ 239.607 @ , \$ 262.659 @ , \$ 247.546 @ , \$ 258.059 @ , \$ 11 @ , \$ 62.4042 @ , \$ 66.1269 @ , \$ 61.9228 @ , \$ 59.1344 @ , \$ 65.1708 @ , \$ 57.2158 @ , \$ 55.4667 @ , \$ 59.8796 @ , \$ 70.1644 @ , \$ 57.0643 @ , \$ 12 @ , \$ 161.012 @ , \$ 156.289 @ , \$ 143.553 @ , \$ 155.815 @ , \$ 163.91 @ , \$ 169.243 @ , \$ 148.84 @ , \$ 170.522 @ , \$ 150.645 @ , \$ 159.661 @ , \$ 13 @ , \$ 142.426 @ , \$ 141.361 @ , \$ 147.38 @ , \$ 143.053 @ , \$ 138.544 @ , \$ 147.532 @ , \$ 145.974 @ , \$ 137.889 @ , \$ 138.817 @ , \$ 131.435 @ , \$ 14 @ , \$ 97.3674 @ , \$ 83.6435 @ , \$ 87.4908 @ , \$ 99.2975 @ , \$ 93.1046 @ , \$ 128.235 @ , \$ 95.6974 @ , \$ 88.2483 @ , \$ 86.2335 @ , \$ 85.6525 @ , \$ 15 @ , \$ 184.729 @ , \$ 195.766 @ , \$ 194.738 @ , \$ 199.841 @ , \$ 202.364 @ , \$ 204.208 @ , \$ 216.074 @ , \$ 185.38 @ , \$ 192.71 @ , \$ 202.434 @ , \$

CE19B094

Alpha = 0.0866873

post anova t-test pairs after sorting the sample means in descending order

2,5

12,13

1 @ , \$ 275.947 @ , \$ 273.429 @ , \$ 275.831 @ , \$ 272.97 @ , \$ 273.429 @ , \$ 299.876 @ , \$ 272.409 @ , \$ 273.128 @ , \$ 271.768 @ , \$ 275.436 @ , \$ 2 @ , \$ 130.426 @ , \$ 131.157 @ , \$ 137.326 @ , \$ 133.752 @ , \$ 139.004 @ , \$ 155.313 @ , \$ 141.896 @ , \$ 134.562 @ , \$ 136.166 @ , \$ 139.552 @ , \$ 3 @ , \$ 9.75761 @ , \$ 24.7488 @ , \$ 22.2637 @ , \$ 17.1389 @ , \$ 13.361 @ , \$ 36.3374 @ , \$ 13.8161 @ , \$ 18.7196 @ , \$ 20.7499 @ , \$ 19.8854 @ , \$ 4 @ , \$ 16.1294 @ , \$ 19.0817 @ , \$ 20.5205 @ , \$ 15.7842 @ , \$ 14.0187 @ , \$ 26.6088 @ , \$ 16.3327 @ , \$ 16.7197 @ , \$ 16.0975 @ , \$ 16.4129 @ , \$ 5 @ , \$ 160.246 @ , \$ 161.446 @ , \$ 146.969 @ , \$ 171.368 @ , \$ 148.341 @ , \$ 153.438 @ , \$ 156.758 @ , \$ 163.695 @ , \$ 152.542 @ , \$ 151.222 @ , \$ 6 @ , \$ -9.13941 @ , \$ 12.8519 @ , \$ 10.9849 @ , \$ 3.57689 @ , \$ 0.900003 @ , \$ 29.9801 @ , \$ 11.5537 @ , \$ 17.9539 @ , \$ 11.8073 @ , \$ 16.0475 @ , \$ 7 @ , \$ 229.894 @ , \$ 231.566 @ , \$ 238.566 @ , \$ 220.685 @ , \$ 218.794 @ , \$ 235.086 @ , \$ 237.64 @ , \$ 230.515 @ , \$ 227.425 @ , \$ 245.241 @ , \$ 8 @ , \$ 75.1066 @ , \$ 64.9149 @ , \$ 69.096 @ , \$ 82.6609 @ , \$ 77.1233 @ , \$ 81.7968 @ , \$ 73.3639 @ , \$ 73.4067 @ , \$ 88.6092 @ , \$ 74.4168 @ , \$ 9 @ , \$ 27.3915 @ , \$ 33.273 @ , \$ 33.4525 @ , \$ 32.2433 @ , \$ 44.3936 @ , \$ 54.6622 @ , \$ 24.3117 @ , \$ 19.1033 @ , \$ 23.1022 @ , \$ 43.3287 @ , \$ 10 @ , \$ 207.525 @ , \$ 187.89 @ , \$ 189.606 @ , \$ 183.534 @ , \$ 178.224 @ , \$ 202.882 @ , \$ 188.248 @ , \$ 188.307 @ , \$ 194.702 @ , \$ 201.776 @ , \$ 11 @ , \$ 49.3598 @ , \$ 38.2653 @ , \$ 35.2034 @ , \$ 37.7062 @ , \$ 37.3406 @ , \$ 44.7096 @ , \$ 43.5486 @ , \$ 39.6204 @ , \$ 35.7774 @ , \$ 55.2615 @ , \$ 12 @ , \$ 124.957 @ , \$ 126.722 @ , \$ 122.601 @ , \$ 124.72 @ , \$ 121.814 @ , \$ 136.419 @ , \$ 125.655 @ , \$ 120.159 @ , \$ 130.456 @ , \$ 126.505 @ , \$ 13 @ , \$ 11.0565 @ , \$ 14.985 @ , \$ 15.3044 @ , \$ -1.00109 @ , \$ 20.6556 @ , \$ 26.1935 @ , \$ 22.1578 @ , \$ 33.8906 @ , \$ 25.2864 @ , \$ 8.62399 @ , \$ 14 @ , \$ 284.364 @ , \$ 306.702 @ , \$ 296.436 @ , \$ 272.056 @ , \$ 288.617 @ , \$ 300.692 @ , \$ 285.562 @ , \$ 288.038 @ , \$ 298.278 @ , \$ 272.619 @ , \$

15 @ , \$ 262.705 @ , \$ 260.471 @ , \$ 250.351 @ , \$ 253.187 @ , \$ 272.73 @ , \$ 270.286 @ , \$ 263.313 @ , \$ 252.136 @ , \$ 258.579 @ , \$ 264.349 @ , \$

### CE19B098

Alpha = 0.0512356

post anova t-test pairs after sorting the sample means in descending order

1,4

12,14

1 @ , \$ 142.36 @ , \$ 149.33 @ , \$ 144.6 @ , \$ 143.246 @ , \$ 139.249 @ , \$ 159.456 @ , \$ 139.177 @ , \$ 136.814 @ , \$ 142.808 @ , \$ 135.001 @ , \$

2 @ , \$ 145.757 @ , \$ 151.198 @ , \$ 148.934 @ , \$ 148.306 @ , \$ 151.73 @ , \$ 168.748 @ , \$ 143.462 @ , \$ 148.648 @ , \$ 153.287 @ , \$ 146.778 @ , \$

3 @ , \$ 264.249 @ , \$ 264.111 @ , \$ 277.118 @ , \$ 262.97 @ , \$ 269.38 @ , \$ 287.892 @ , \$ 257.754 @ , \$ 275.621 @ , \$ 266.72 @ , \$ 253.687 @ , \$

4 @ , \$ 219.698 @ , \$ 220.144 @ , \$ 223.425 @ , \$ 214.94 @ , \$ 218.507 @ , \$ 229.331 @ , \$ 218.566 @ , \$ 219.731 @ , \$ 216.657 @ , \$ 219.554 @ , \$

5 @ , \$ 267.606 @ , \$ 263.729 @ , \$ 263.657 @ , \$ 268.241 @ , \$ 264.119 @ , \$ 285.442 @ , \$ 263.918 @ , \$ 264.382 @ , \$ 266.901 @ , \$ 263.437 @ , \$

6 @ , \$ 94.4589 @ , \$ 89.572 @ , \$ 90.1019 @ , \$ 76.3333 @ , \$ 77.3655 @ , \$ 85.9663 @ , \$ 82.9655 @ , \$ 89.8394 @ , \$ 93.6061 @ , \$ 95.0224 @ , \$

7 @ , \$ 30.9959 @ , \$ 23.7298 @ , \$ 24.1716 @ , \$ 21.4142 @ , \$ 20.609 @ , \$ 35.0795 @ , \$ 10.0418 @ , \$ 17.0491 @ , \$ 27.648 @ , \$ 18.7709 @ , \$

8 @ , \$ 16.5858 @ , \$ 14.4325 @ , \$ 29.5042 @ , \$ 14.7539 @ , \$ 22.1159 @ , \$ 37.9794 @ , \$ 26.956 @ , \$ 26.2697 @ , \$ 17.0314 @ , \$ 14.2922 @ , \$

9 @ , \$ 17.2939 @ , \$ 21.6782 @ , \$ 24.6849 @ , \$ 27.5796 @ , \$ 15.4726 @ , \$ 17.6958 @ , \$ 16.3168 @ , \$ 19.2439 @ , \$ 10.2789 @ , \$ 24.5315 @ , \$

10 @ , \$ 299.964 @ , \$ 295.335 @ , \$ 304.581 @ , \$ 295.638 @ , \$ 286.559 @ , \$ 296.788 @ , \$ 304.33 @ , \$ 294.562 @ , \$ 298.731 @ , \$ 302.971 @ , \$

11 @ , \$ 218.907 @ , \$ 228.188 @ , \$ 208.165 @ , \$ 218.707 @ , \$ 217.6 @ , \$ 233.725 @ , \$ 221.489 @ , \$ 224.299 @ , \$ 227.798 @ , \$ 209.853 @ , \$

12 @ , \$ 297.735 @ , \$ 300.356 @ , \$ 291.792 @ , \$ 292.297 @ , \$ 298.979 @ , \$ 320.264 @ , \$ 298.2 @ , \$ 299.687 @ , \$ 286.463 @ , \$ 298.104 @ , \$

13 @ , \$ 205.955 @ , \$ 218.238 @ , \$ 213.497 @ , \$ 216.967 @ , \$ 205.12 @ , \$ 213.455 @ , \$ 220.395 @ , \$ 218.222 @ , \$ 215.247 @ , \$ 215.431 @ , \$

14 @ , \$ 51.8043 @ , \$ 45.551 @ , \$ 48.7354 @ , \$ 40.6097 @ , \$ 43.3489 @ , \$ 54.3358 @ , \$ 37.6345 @ , \$ 38.1413 @ , \$ 35.8849 @ , \$ 42.5334 @ , \$

15 @ , \$ 57.8112 @ , \$ 61.8931 @ , \$ 70.381 @ , \$ 77.1342 @ , \$ 77.9667 @ , \$ 85.7954 @ , \$ 69.2899 @ , \$ 67.7634 @ , \$ 75.1513 @ , \$ 66.7518 @ , \$

### CE19B101

Alpha = 0.0502988

post anova t-test pairs after sorting the sample means in descending order

1,8

9,13

1 @ , \$ 85.2305 @ , \$ 91.5004 @ , \$ 90.632 @ , \$ 96.2915 @ , \$ 97.4674 @ , \$ 118.857 @ , \$ 106.616 @ , \$ 109.871 @ , \$ 107.025 @ , \$ 104.892 @ , \$

2 @ , \$ 169.057 @ , \$ 164.327 @ , \$ 172.807 @ , \$ 168.161 @ , \$ 190.658 @ , \$ 181.089 @ , \$ 159.744 @ , \$ 163.443 @ , \$ 173.621 @ , \$ 176.889 @ , \$

3 @ , \$ 23.2569 @ , \$ 18.4204 @ , \$ 18.0516 @ , \$ 28.182 @ , \$ 26.9792 @ , \$ 33.5468 @ , \$ 19.0094 @ , \$ 19.4715 @ , \$ 16.9861 @ , \$ 22.4118 @ , \$

4 @ , \$ 219.173 @ , \$ 218.999 @ , \$ 227.429 @ , \$ 225.952 @ , \$ 215.674 @ , \$ 236.002 @ , \$ 216.05 @ , \$ 216.741 @ , \$ 216.853 @ , \$ 219.405 @ , \$

5 @, \$ 185.655 @, \$ 184.129 @, \$ 185.513 @, \$ 185.036 @, \$ 184.617 @, \$ 196.555 @, \$ 184.627 @, \$ 184.443 @, \$ 184.192 @, \$ 185.009 @, \$ 6 @, \$ 199.076 @, \$ 199.111 @, \$ 198.895 @, \$ 198.181 @, \$ 200.53 @, \$ 206.605 @, \$ 197.475 @, \$ 199.416 @, \$ 199.862 @, \$ 199.151 @, \$ 7 @, \$ 297.769 @, \$ 298.745 @, \$ 270.559 @, \$ 292.957 @, \$ 298.373 @, \$ 311.742 @, \$ 274.118 @, \$ 302.917 @, \$ 300.366 @, \$ 295.255 @, \$ 8 @, \$ 230.285 @, \$ 234.154 @, \$ 236.43 @, \$ 239.141 @, \$ 237.129 @, \$ 250.186 @, \$ 224.29 @, \$ 233.849 @, \$ 234.19 @, \$ 228.991 @, \$ 9 @, \$ 235.858 @, \$ 235.325 @, \$ 222.615 @, \$ 220.121 @, \$ 233.028 @, \$ 233.49 @, \$ 230.054 @, \$ 237.284 @, \$ 231.304 @, \$ 231.922 @, \$ 10 @, \$ 47.7462 @, \$ 44.7899 @, \$ 65.0296 @, \$ 41.8764 @, \$ 46.0404 @, \$ 41.0419 @, \$ 50.0701 @, \$ 58.319 @, \$ 42.8893 @, \$ 60.9729 @, \$ 11 @, \$ 275.204 @, \$ 256.886 @, \$ 281.249 @, \$ 270.923 @, \$ 256.523 @, \$ 281.213 @, \$ 267.081 @, \$ 267.067 @, \$ 271.139 @, \$ 271.816 @, \$ 12 @, \$ 281.439 @, \$ 281.645 @, \$ 285.084 @, \$ 288.634 @, \$ 282.819 @, \$ 278.209 @, \$ 282.033 @, \$ 280.682 @, \$ 286.583 @, \$ 281.979 @, \$ 13 @, \$ 205.452 @, \$ 190.179 @, \$ 210.006 @, \$ 208.764 @, \$ 197.102 @, \$ 200.716 @, \$ 192.93 @, \$ 215.067 @, \$ 209.323 @, \$ 196.991 @, \$ 14 @, \$ 49.1161 @, \$ 55.6093 @, \$ 53.6084 @, \$ 42.0162 @, \$ 41.7277 @, \$ 61.9525 @, \$ 50.3316 @, \$ 50.3272 @, \$ 51.928 @, \$ 39.7047 @, \$ 15 @, \$ 79.8651 @, \$ 78.4635 @, \$ 85.0786 @, \$ 84.3125 @, \$ 80.0832 @, \$ 97.7483 @, \$ 83.5 @, \$ 79.5536 @, \$ 85.1433 @, \$ 75.4673 @, \$

#### CE19B104

Alpha = 0.0903235

post anova t-test pairs after sorting the sample means in descending order

2,6

12,13

1 @, \$ 258.168 @, \$ 253.865 @, \$ 257.56 @, \$ 255.989 @, \$ 252.847 @, \$ 262.772 @, \$ 253.598 @, \$ 253.984 @, \$ 255.772 @, \$ 255.983 @, \$ 2 @, \$ 218.188 @, \$ 213.411 @, \$ 210.536 @, \$ 211.82 @, \$ 211.044 @, \$ 224.299 @, \$ 210.595 @, \$ 213.995 @, \$ 208.843 @, \$ 214.454 @, \$ 3 @, \$ 139.64 @, \$ 133.856 @, \$ 139.127 @, \$ 143.023 @, \$ 143.837 @, \$ 156.629 @, \$ 141.331 @, \$ 135.499 @, \$ 134.589 @, \$ 136.477 @, \$ 4 @, \$ 154.757 @, \$ 156.469 @, \$ 151.724 @, \$ 161.585 @, \$ 155.193 @, \$ 174.253 @, \$ 145.393 @, \$ 163.378 @, \$ 156.018 @, \$ 164.156 @, \$ 5 @, \$ 279.398 @, \$ 296.513 @, \$ 297.039 @, \$ 294.673 @, \$ 287.465 @, \$ 291.784 @, \$ 281.095 @, \$ 297.472 @, \$ 291.245 @, \$ 296.987 @, \$ 6 @, \$ 69.4886 @, \$ 66.0654 @, \$ 55.1044 @, \$ 44.5531 @, \$ 62.9093 @, \$ 68.5506 @, \$ 39.6442 @, \$ 68.7989 @, \$ 62.5195 @, \$ 58.2218 @, \$ 7 @, \$ 235.873 @, \$ 223.952 @, \$ 228.574 @, \$ 224.877 @, \$ 230.884 @, \$ 246.882 @, \$ 223.783 @, \$ 226.139 @, \$ 219.892 @, \$ 228.137 @, \$ 8 @, \$ 109.813 @, \$ 123.426 @, \$ 123.256 @, \$ 128.842 @, \$ 126.672 @, \$ 127.459 @, \$ 120.669 @, \$ 126.277 @, \$ 133.449 @, \$ 125.791 @, \$ 9 @, \$ 29.7623 @, \$ 40.1761 @, \$ 19.5031 @, \$ 39.2737 @, \$ 37.9279 @, \$ 52.2419 @, \$ 28.5586 @, \$ 39.3301 @, \$ 21.5867 @, \$ 30.9979 @, \$ 10 @, \$ 100.094 @, \$ 118.683 @, \$ 116.707 @, \$ 110.934 @, \$ 105.998 @, \$ 119.35 @, \$ 99.3264 @, \$ 91.8906 @, \$ 109.306 @, \$ 107.813 @, \$ 11 @, \$ 104.286 @, \$ 102.421 @, \$ 104.769 @, \$ 108.276 @, \$ 103.3 @, \$ 119.194 @, \$ 104.256 @, \$ 111.858 @, \$ 98.9492 @, \$ 102.474 @, \$ 12 @, \$ 156.417 @, \$ 157.179 @, \$ 156.859 @, \$ 156.79 @, \$ 155.982 @, \$ 179.671 @, \$ 157.111 @, \$ 158.81 @, \$ 157.461 @, \$ 157.727 @, \$ 13 @, \$ 8.64334 @, \$ 16.1077 @, \$ 10.2933 @, \$ 17.7805 @, \$ 15.3023 @, \$ 34.1841 @, \$ 10.9849 @, \$

8.8925 @ , \$ 19.2609 @ , \$ 11.4399 @ , \$  
14 @ , \$ 298.194 @ , \$ 295.772 @ , \$ 285.646 @ , \$ 294.123 @ , \$ 291.714 @ , \$ 295.713 @ , \$ 296.247 @ , \$  
297.863 @ , \$ 293.902 @ , \$ 290.252 @ , \$  
15 @ , \$ 94.8656 @ , \$ 88.1279 @ , \$ 68.1125 @ , \$ 83.0058 @ , \$ 85.2827 @ , \$ 108.277 @ , \$ 75.7687 @ , \$  
78.7827 @ , \$ 72.6658 @ , \$ 112.421 @ , \$

#### CE19B108

Alpha = 0.0887073

post anova t-test pairs after sorting the sample means in descending order

1,5

12,14

1 @ , \$ 133.988 @ , \$ 130.621 @ , \$ 133.684 @ , \$ 118.498 @ , \$ 123.819 @ , \$ 154.084 @ , \$ 133.807 @ , \$ 127.215  
@ , \$ 132.102 @ , \$ 126.342 @ , \$  
2 @ , \$ 197.619 @ , \$ 170.23 @ , \$ 180.06 @ , \$ 203.179 @ , \$ 172.192 @ , \$ 164.949 @ , \$ 191.789 @ , \$ 181.424 @  
, \$ 187.248 @ , \$ 189.511 @ , \$  
3 @ , \$ 107.443 @ , \$ 123.095 @ , \$ 112.98 @ , \$ 109.534 @ , \$ 119.1 @ , \$ 111.138 @ , \$ 101.855 @ , \$ 118.592 @ ,  
\$ 99.1555 @ , \$ 98.1732 @ , \$  
4 @ , \$ 209.945 @ , \$ 208.995 @ , \$ 216.555 @ , \$ 217.605 @ , \$ 217.607 @ , \$ 228.794 @ , \$ 214.62 @ , \$ 213.291  
@ , \$ 213.217 @ , \$ 206.101 @ , \$  
5 @ , \$ 44.7013 @ , \$ 60.2369 @ , \$ 47.9724 @ , \$ 71.0328 @ , \$ 60.899 @ , \$ 68.6346 @ , \$ 49.7188 @ , \$ 42.6519  
@ , \$ 55.5221 @ , \$ 80.5406 @ , \$  
6 @ , \$ 154.3 @ , \$ 156.796 @ , \$ 167.268 @ , \$ 159.585 @ , \$ 164.954 @ , \$ 171.168 @ , \$ 162.633 @ , \$ 152.985 @  
, \$ 167.107 @ , \$ 160.456 @ , \$  
7 @ , \$ 141.034 @ , \$ 143.519 @ , \$ 138.051 @ , \$ 126.054 @ , \$ 152.63 @ , \$ 154.785 @ , \$ 127.54 @ , \$ 139.417 @  
, \$ 134.786 @ , \$ 139.475 @ , \$  
8 @ , \$ 13.0077 @ , \$ 11.6888 @ , \$ 11.5751 @ , \$ 19.5789 @ , \$ 14.5995 @ , \$ 29.9724 @ , \$ 11.0154 @ , \$ 5.78817  
@ , \$ 12.2267 @ , \$ 15.3706 @ , \$  
9 @ , \$ 99.7795 @ , \$ 110.967 @ , \$ 100.166 @ , \$ 103.376 @ , \$ 101.932 @ , \$ 116.731 @ , \$ 79.7492 @ , \$ 96.4485  
@ , \$ 86.1724 @ , \$ 106.328 @ , \$  
10 @ , \$ 208.944 @ , \$ 212.676 @ , \$ 198.001 @ , \$ 208.535 @ , \$ 206.438 @ , \$ 211.232 @ , \$ 202.284 @ , \$  
200.576 @ , \$ 208.975 @ , \$ 207.944 @ , \$  
11 @ , \$ 136.682 @ , \$ 134.367 @ , \$ 148.103 @ , \$ 137.657 @ , \$ 132.632 @ , \$ 167.444 @ , \$ 122.723 @ , \$  
154.172 @ , \$ 135.302 @ , \$ 128.416 @ , \$  
12 @ , \$ 262.692 @ , \$ 259.359 @ , \$ 271.201 @ , \$ 246.376 @ , \$ 253.372 @ , \$ 272.788 @ , \$ 252.49 @ , \$ 259.923  
@ , \$ 260.697 @ , \$ 270.803 @ , \$  
13 @ , \$ 224.551 @ , \$ 231.822 @ , \$ 217.723 @ , \$ 218.99 @ , \$ 216.865 @ , \$ 253.29 @ , \$ 218.458 @ , \$ 227.231  
@ , \$ 229.343 @ , \$ 221.68 @ , \$  
14 @ , \$ 205.532 @ , \$ 208.477 @ , \$ 210.721 @ , \$ 209.953 @ , \$ 207.819 @ , \$ 222.554 @ , \$ 207.023 @ , \$  
213.885 @ , \$ 210.904 @ , \$ 209.239 @ , \$  
15 @ , \$ 79.8406 @ , \$ 83.8635 @ , \$ 87.0742 @ , \$ 86.8193 @ , \$ 83.7478 @ , \$ 92.0468 @ , \$ 82.1951 @ , \$  
85.3767 @ , \$ 86.217 @ , \$ 76.8015 @ , \$

#### CE19B114

Alpha = 0.0332723

post anova t-test pairs after sorting the sample means in descending order

2,5

11,14

1 @ , \$ 20.8495 @ , \$ 19.071 @ , \$ 15.8501 @ , \$ 15.5485 @ , \$ 14.6431 @ , \$ 2.11749 @ , \$ 6.58684 @ , \$ 12.0086  
@ , \$ 19.6715 @ , \$ 16.2844 @ , \$  
2 @ , \$ 307.586 @ , \$ 298.584 @ , \$ 286.796 @ , \$ 286.009 @ , \$ 294.338 @ , \$ 330.942 @ , \$ 296.057 @ , \$ 311.954  
@ , \$ 309.437 @ , \$ 301.918 @ , \$  
3 @ , \$ 167.515 @ , \$ 191.651 @ , \$ 172.158 @ , \$ 156.527 @ , \$ 190.274 @ , \$ 196.815 @ , \$ 166.455 @ , \$ 168.77

@, \$ 194.165 @, \$ 163.93 @, \$  
4 @, \$ 204.366 @, \$ 197.573 @, \$ 201.558 @, \$ 202.035 @, \$ 198.942 @, \$ 215.51 @, \$ 200.317 @, \$ 206.024  
@, \$ 197.48 @, \$ 198.788 @, \$  
5 @, \$ 18.5388 @, \$ 20.5866 @, \$ 12.4155 @, \$ 13.3562 @, \$ 18.2315 @, \$ 10.9338 @, \$ 13.2515 @, \$ 10.9193  
@, \$ 8.90679 @, \$ 17.6946 @, \$  
6 @, \$ 56.4202 @, \$ 79.6329 @, \$ 51.735 @, \$ 62.7307 @, \$ 75.604 @, \$ 71.1729 @, \$ 56.0329 @, \$ 78.7427 @,  
\$ 68.4321 @, \$ 54.0494 @, \$  
7 @, \$ 234.866 @, \$ 224.915 @, \$ 231.493 @, \$ 244.191 @, \$ 224.088 @, \$ 271.311 @, \$ 245.905 @, \$ 229.895  
@, \$ 235.99 @, \$ 228.5 @, \$  
8 @, \$ 246.206 @, \$ 248.715 @, \$ 251.286 @, \$ 248.476 @, \$ 243.934 @, \$ 268.755 @, \$ 251.921 @, \$ 250.958  
@, \$ 253.53 @, \$ 252.163 @, \$  
9 @, \$ 212.034 @, \$ 235.785 @, \$ 213.473 @, \$ 206.657 @, \$ 221.197 @, \$ 222.884 @, \$ 219.309 @, \$ 213.101  
@, \$ 217.98 @, \$ 221.635 @, \$  
10 @, \$ 293.119 @, \$ 299.473 @, \$ 294.976 @, \$ 308.97 @, \$ 296.431 @, \$ 297.284 @, \$ 288.095 @, \$ 296.368  
@, \$ 280.575 @, \$ 288.524 @, \$  
11 @, \$ 207.774 @, \$ 205.977 @, \$ 206.068 @, \$ 202.875 @, \$ 205.963 @, \$ 215.515 @, \$ 207.813 @, \$  
204.229 @, \$ 203.322 @, \$ 206.426 @, \$  
12 @, \$ 266.604 @, \$ 263.367 @, \$ 260.357 @, \$ 275.87 @, \$ 273.372 @, \$ 266.36 @, \$ 260.12 @, \$ 269.508 @,  
\$ 267.739 @, \$ 263.794 @, \$  
13 @, \$ 103.63 @, \$ 107.31 @, \$ 108.2 @, \$ 105.539 @, \$ 110.19 @, \$ 118.992 @, \$ 108.801 @, \$ 104.605 @, \$  
99.881 @, \$ 114.855 @, \$  
14 @, \$ 146.679 @, \$ 177.216 @, \$ 133.353 @, \$ 140.032 @, \$ 157.775 @, \$ 141.448 @, \$ 154.51 @, \$ 166.966  
@, \$ 141.893 @, \$ 153.533 @, \$  
15 @, \$ 97.8699 @, \$ 99.2474 @, \$ 94.4961 @, \$ 100.173 @, \$ 94.5684 @, \$ 113.074 @, \$ 101.278 @, \$  
95.8288 @, \$ 96.8755 @, \$ 95.6308 @, \$

CH19B015

Alpha = 0.0943543

post anova t-test pairs after sorting the sample means in descending order

2,4

11,13

1 @, \$ 100.488 @, \$ 83.7318 @, \$ 75.9006 @, \$ 83.1852 @, \$ 79.6259 @, \$ 97.5494 @, \$ 85.8573 @, \$ 87.636  
@, \$ 83.5491 @, \$ 82.1043 @, \$  
2 @, \$ 119.527 @, \$ 112.56 @, \$ 119.59 @, \$ 116.694 @, \$ 115.811 @, \$ 137.902 @, \$ 117.518 @, \$ 112.287 @,  
\$ 113.86 @, \$ 116.283 @, \$  
3 @, \$ 151.907 @, \$ 145.283 @, \$ 146.402 @, \$ 151.09 @, \$ 128.643 @, \$ 135.022 @, \$ 141.159 @, \$ 140.674  
@, \$ 159.597 @, \$ 146.377 @, \$  
4 @, \$ 178.693 @, \$ 180.317 @, \$ 177.526 @, \$ 179.416 @, \$ 180.932 @, \$ 184.827 @, \$ 179.86 @, \$ 179.926  
@, \$ 179.936 @, \$ 177.863 @, \$  
5 @, \$ 79.4784 @, \$ 72.669 @, \$ 72.8656 @, \$ 77.9366 @, \$ 76.9152 @, \$ 80.4776 @, \$ 77.837 @, \$ 78.8253 @,  
\$ 80.1859 @, \$ 75.0786 @, \$  
6 @, \$ 6.30549 @, \$ 9.18006 @, \$ 5.99106 @, \$ 3.10092 @, \$ 2.7291 @, \$ 17.5252 @, \$ 4.60083 @, \$ 8.8815 @,  
\$ 6.84251 @, \$ 5.29734 @, \$  
7 @, \$ 64.5773 @, \$ 77.8908 @, \$ 74.2471 @, \$ 62.3576 @, \$ 71.156 @, \$ 76.2455 @, \$ 64.1917 @, \$ 73.649 @,  
\$ 78.3835 @, \$ 70.2501 @, \$  
8 @, \$ 212.144 @, \$ 214.99 @, \$ 200.818 @, \$ 204.56 @, \$ 204.147 @, \$ 211.069 @, \$ 210.155 @, \$ 207.231 @,  
\$ 200.206 @, \$ 213.197 @, \$  
9 @, \$ 268.971 @, \$ 277.221 @, \$ 272.877 @, \$ 270.616 @, \$ 269.806 @, \$ 289.071 @, \$ 267.759 @, \$ 281.712  
@, \$ 270.681 @, \$ 274.384 @, \$  
10 @, \$ 161.412 @, \$ 149.089 @, \$ 154.402 @, \$ 140.128 @, \$ 148.967 @, \$ 169.394 @, \$ 144.412 @, \$  
151.756 @, \$ 155.281 @, \$ 145.412 @, \$  
11 @, \$ 192.434 @, \$ 207.26 @, \$ 221.216 @, \$ 205.622 @, \$ 212.894 @, \$ 226.043 @, \$ 219.632 @, \$ 199.28  
@, \$ 207.772 @, \$ 223.654 @, \$

12 @ , \$ 160.307 @ , \$ 152.705 @ , \$ 155.222 @ , \$ 147.958 @ , \$ 171.983 @ , \$ 148.86 @ , \$ 163.617 @ , \$ 153.952 @ , \$ 161.204 @ , \$ 140.808 @ , \$ 13 @ , \$ 40.4616 @ , \$ 44.7607 @ , \$ 34.1555 @ , \$ 42.1929 @ , \$ 27.7147 @ , \$ 50.8011 @ , \$ 53.755 @ , \$ 53.9262 @ , \$ 48.7157 @ , \$ 55.5746 @ , \$ 14 @ , \$ 281.041 @ , \$ 273.018 @ , \$ 279.646 @ , \$ 293.165 @ , \$ 281.595 @ , \$ 282.575 @ , \$ 290.461 @ , \$ 290.101 @ , \$ 270.925 @ , \$ 287.872 @ , \$ 15 @ , \$ 32.7875 @ , \$ 37.9009 @ , \$ 31.4446 @ , \$ 32.7924 @ , \$ 27.2182 @ , \$ 41.489 @ , \$ 32.189 @ , \$ 22.047 @ , \$ 40.139 @ , \$ 29.3959 @ , \$

### CH19B017

Alpha = 0.0253479

post anova t-test pairs after sorting the sample means in descending order

3,6

9,14

1 @ , \$ 41.8442 @ , \$ 45.6501 @ , \$ 47.5322 @ , \$ 41.3948 @ , \$ 48.3241 @ , \$ 59.3565 @ , \$ 43.3021 @ , \$ 50.4908 @ , \$ 44.3111 @ , \$ 49.3138 @ , \$ 2 @ , \$ 108.025 @ , \$ 107.411 @ , \$ 112.768 @ , \$ 108.789 @ , \$ 111.387 @ , \$ 128.815 @ , \$ 109.495 @ , \$ 107.716 @ , \$ 110.143 @ , \$ 108.381 @ , \$ 3 @ , \$ 141.53 @ , \$ 145.441 @ , \$ 157.215 @ , \$ 152.207 @ , \$ 144.592 @ , \$ 169.707 @ , \$ 144.039 @ , \$ 150.88 @ , \$ 151.426 @ , \$ 140.529 @ , \$ 4 @ , \$ -12.2136 @ , \$ 16.5727 @ , \$ -5.52005 @ , \$ 17.5229 @ , \$ 14.2022 @ , \$ 5.18904 @ , \$ 8.9383 @ , \$ 13.8561 @ , \$ 10.06 @ , \$ 13.4829 @ , \$ 5 @ , \$ 298.955 @ , \$ 274.774 @ , \$ 299.07 @ , \$ 296.023 @ , \$ 298.281 @ , \$ 300.031 @ , \$ 287.544 @ , \$ 307.873 @ , \$ 298.577 @ , \$ 282.492 @ , \$ 6 @ , \$ 17.9462 @ , \$ 10.7417 @ , \$ 16.6876 @ , \$ 16.2767 @ , \$ 16.3822 @ , \$ 26.1337 @ , \$ 14.6164 @ , \$ 18.673 @ , \$ 15.9601 @ , \$ 21.6019 @ , \$ 7 @ , \$ 235.114 @ , \$ 229.15 @ , \$ 231.492 @ , \$ 235.765 @ , \$ 237.637 @ , \$ 250.335 @ , \$ 233.713 @ , \$ 230.536 @ , \$ 227.971 @ , \$ 231.407 @ , \$ 8 @ , \$ 148.013 @ , \$ 152.107 @ , \$ 157.911 @ , \$ 149.502 @ , \$ 152.363 @ , \$ 153.981 @ , \$ 154.001 @ , \$ 159.019 @ , \$ 161.314 @ , \$ 151.712 @ , \$ 9 @ , \$ 225.535 @ , \$ 235.893 @ , \$ 226.329 @ , \$ 232.304 @ , \$ 223.36 @ , \$ 221.049 @ , \$ 235.539 @ , \$ 216.4 @ , \$ 224.918 @ , \$ 224.203 @ , \$ 10 @ , \$ 131.364 @ , \$ 131.713 @ , \$ 130.932 @ , \$ 133.035 @ , \$ 136.388 @ , \$ 144.648 @ , \$ 132.159 @ , \$ 134.18 @ , \$ 131.618 @ , \$ 131.262 @ , \$ 11 @ , \$ 239.92 @ , \$ 204.571 @ , \$ 226.245 @ , \$ 218.363 @ , \$ 224.323 @ , \$ 227.406 @ , \$ 202.369 @ , \$ 203.407 @ , \$ 224.989 @ , \$ 225.769 @ , \$ 12 @ , \$ 49.7931 @ , \$ 44.3018 @ , \$ 42.0914 @ , \$ 31.6588 @ , \$ 26.1834 @ , \$ 42.3282 @ , \$ 47.2475 @ , \$ 54.0921 @ , \$ 50.2051 @ , \$ 48.4483 @ , \$ 13 @ , \$ 100.989 @ , \$ 88.9449 @ , \$ 98.848 @ , \$ 111.952 @ , \$ 100.401 @ , \$ 119.816 @ , \$ 117.721 @ , \$ 90.2607 @ , \$ 105.799 @ , \$ 92.5043 @ , \$ 14 @ , \$ 58.058 @ , \$ 63.6784 @ , \$ 63.8925 @ , \$ 63.6892 @ , \$ 69.4391 @ , \$ 59.6653 @ , \$ 72.8081 @ , \$ 67.3721 @ , \$ 63.5267 @ , \$ 71.1841 @ , \$ 15 @ , \$ 205.352 @ , \$ 205.383 @ , \$ 200.343 @ , \$ 209.503 @ , \$ 219.017 @ , \$ 226.388 @ , \$ 207.403 @ , \$ 210.56 @ , \$ 214.099 @ , \$ 219.046 @ , \$

### CH19B038

Alpha = 0.0350934

post anova t-test pairs after sorting the sample means in descending order

2,7

12,14

1 @ , \$ 96.7848 @ , \$ 132.329 @ , \$ 93.7805 @ , \$ 107.349 @ , \$ 103.386 @ , \$ 130.127 @ , \$ 115.686 @ , \$ 121.551 @ , \$ 108.929 @ , \$ 111.77 @ , \$

2 @, \$ 287.077 @, \$ 286.063 @, \$ 280.25 @, \$ 284.571 @, \$ 277.979 @, \$ 300.044 @, \$ 270.846 @, \$ 288.914 @, \$ 277.487 @, \$ 283.339 @, \$ 3 @, \$ 27.5474 @, \$ 27.8989 @, \$ 30.5341 @, \$ 34.9485 @, \$ 24.5485 @, \$ 49.4584 @, \$ 22.9665 @, \$ 29.2138 @, \$ 30.1523 @, \$ 25.4878 @, \$ 4 @, \$ 291.747 @, \$ 294.045 @, \$ 291.126 @, \$ 296.587 @, \$ 292.835 @, \$ 294.939 @, \$ 290.449 @, \$ 293.994 @, \$ 293.556 @, \$ 293.034 @, \$ 5 @, \$ 53.6385 @, \$ 65.1715 @, \$ 62.681 @, \$ 59.9768 @, \$ 61.4551 @, \$ 72.4965 @, \$ 63.0853 @, \$ 67.9799 @, \$ 63.6524 @, \$ 61.7956 @, \$ 6 @, \$ 86.9611 @, \$ 91.5648 @, \$ 84.2695 @, \$ 78.6876 @, \$ 80.4787 @, \$ 70.8507 @, \$ 79.811 @, \$ 75.3285 @, \$ 85.7576 @, \$ 81.5197 @, \$ 7 @, \$ 10.1348 @, \$ 17.1278 @, \$ 14.702 @, \$ -1.3398 @, \$ -0.0225587 @, \$ 10.4034 @, \$ -3.94707 @, \$ 2.82188 @, \$ 12.5081 @, \$ -2.86873 @, \$ 8 @, \$ 177.964 @, \$ 166.542 @, \$ 167.99 @, \$ 171.257 @, \$ 162.397 @, \$ 173.839 @, \$ 158.146 @, \$ 166.906 @, \$ 169.667 @, \$ 179.283 @, \$ 9 @, \$ 266.238 @, \$ 267.783 @, \$ 275.261 @, \$ 272.757 @, \$ 284.064 @, \$ 273.863 @, \$ 282.571 @, \$ 269.417 @, \$ 268.455 @, \$ 272.465 @, \$ 10 @, \$ 115.962 @, \$ 110.479 @, \$ 98.3231 @, \$ 115.837 @, \$ 111.461 @, \$ 100.558 @, \$ 87.6936 @, \$ 98.0373 @, \$ 98.6993 @, \$ 106.194 @, \$ 11 @, \$ 201.315 @, \$ 202.263 @, \$ 201.964 @, \$ 212.452 @, \$ 195.544 @, \$ 221.405 @, \$ 205.718 @, \$ 198.997 @, \$ 204.383 @, \$ 209.951 @, \$ 12 @, \$ 172.273 @, \$ 179.175 @, \$ 182.739 @, \$ 165.513 @, \$ 187.302 @, \$ 192.639 @, \$ 186.041 @, \$ 171.374 @, \$ 171.712 @, \$ 175.809 @, \$ 13 @, \$ 42.0929 @, \$ 26.0187 @, \$ 49.8987 @, \$ 41.4643 @, \$ 28.7677 @, \$ 22.3122 @, \$ 27.7064 @, \$ 29.7168 @, \$ 40.322 @, \$ 49.069 @, \$ 14 @, \$ 15.649 @, \$ 21.2568 @, \$ 16.451 @, \$ 26.8969 @, \$ 42.5042 @, \$ 37.4097 @, \$ 29.0868 @, \$ 37.5021 @, \$ 28.9971 @, \$ 21.0999 @, \$ 15 @, \$ 173.294 @, \$ 174.239 @, \$ 171.487 @, \$ 172.253 @, \$ 172.145 @, \$ 179.712 @, \$ 169.664 @, \$ 171.562 @, \$ 171.622 @, \$ 171.394 @, \$

CH19B054

Alpha = 0.0408779

post anova t-test pairs after sorting the sample means in descending order

3,5

12,13

1 @, \$ 108.053 @, \$ 108.658 @, \$ 106.766 @, \$ 111.621 @, \$ 108.967 @, \$ 117.327 @, \$ 110.007 @, \$ 106.864 @, \$ 113.486 @, \$ 111.602 @, \$ 2 @, \$ 266.903 @, \$ 277.619 @, \$ 272.572 @, \$ 285.072 @, \$ 291.901 @, \$ 292.395 @, \$ 267.703 @, \$ 282.14 @, \$ 269.311 @, \$ 273.684 @, \$ 3 @, \$ 262.572 @, \$ 257.664 @, \$ 264.016 @, \$ 258.447 @, \$ 253.882 @, \$ 289.85 @, \$ 254.006 @, \$ 264.845 @, \$ 246.136 @, \$ 249.572 @, \$ 4 @, \$ 59.7353 @, \$ 54.5883 @, \$ 61.1904 @, \$ 62.5017 @, \$ 56.5145 @, \$ 57.3722 @, \$ 51.8456 @, \$ 62.9169 @, \$ 58.6229 @, \$ 56.7298 @, \$ 5 @, \$ 153.327 @, \$ 161.867 @, \$ 161.013 @, \$ 165.841 @, \$ 158.111 @, \$ 184.07 @, \$ 158.454 @, \$ 157.736 @, \$ 158.016 @, \$ 158.339 @, \$ 6 @, \$ 188.212 @, \$ 181.804 @, \$ 174.982 @, \$ 184.896 @, \$ 172.059 @, \$ 176.818 @, \$ 168.9 @, \$ 179.599 @, \$ 174.774 @, \$ 182.052 @, \$ 7 @, \$ 157.974 @, \$ 167.774 @, \$ 150.358 @, \$ 145.002 @, \$ 132.48 @, \$ 168.164 @, \$ 159.135 @, \$ 158.277 @, \$ 159.315 @, \$ 154.799 @, \$ 8 @, \$ 276.054 @, \$ 268.727 @, \$ 283.109 @, \$ 270.03 @, \$ 269.571 @, \$ 266.939 @, \$ 279.719 @, \$ 265.509 @, \$ 273.747 @, \$ 274.222 @, \$ 9 @, \$ 104.717 @, \$ 90.7935 @, \$ 97.0064 @, \$ 102.411 @, \$ 99.1227 @, \$ 109.266 @, \$ 98.7733 @, \$ 100.905 @, \$ 99.538 @, \$ 99.5969 @, \$ 10 @, \$ 129.535 @, \$ 129.9 @, \$ 143.368 @, \$ 125.403 @, \$ 124.884 @, \$ 145.473 @, \$ 135.678 @, \$ 143.616

@ , \$ 118.432 @ , \$ 132.364 @ , \$  
11 @ , \$ 169.892 @ , \$ 176.763 @ , \$ 184.063 @ , \$ 169.721 @ , \$ 189.218 @ , \$ 178.596 @ , \$ 187.828 @ , \$  
170.685 @ , \$ 174.411 @ , \$ 160.392 @ , \$  
12 @ , \$ 224.475 @ , \$ 223.316 @ , \$ 225.537 @ , \$ 213.242 @ , \$ 210.066 @ , \$ 233.018 @ , \$ 208.771 @ , \$  
215.112 @ , \$ 211.216 @ , \$ 203.978 @ , \$  
13 @ , \$ 113.016 @ , \$ 92.8022 @ , \$ 113.982 @ , \$ 97.5494 @ , \$ 96.9917 @ , \$ 126.448 @ , \$ 105.478 @ , \$  
102.449 @ , \$ 102.773 @ , \$ 109.504 @ , \$  
14 @ , \$ 256.013 @ , \$ 252.989 @ , \$ 247.708 @ , \$ 235.984 @ , \$ 250.575 @ , \$ 257.703 @ , \$ 247.881 @ , \$  
247.584 @ , \$ 235.682 @ , \$ 244.264 @ , \$  
15 @ , \$ 210.717 @ , \$ 235.13 @ , \$ 211.592 @ , \$ 214.823 @ , \$ 219.484 @ , \$ 233.111 @ , \$ 213.625 @ , \$ 212.044  
@ , \$ 213.752 @ , \$ 221.315 @ , \$

#### CH19B078

Alpha = 0.0615814

post anova t-test pairs after sorting the sample means in descending order

3,4

10,14

1 @ , \$ 78.0191 @ , \$ 63.3483 @ , \$ 78.6013 @ , \$ 76.2286 @ , \$ 65.6041 @ , \$ 76.1521 @ , \$ 70.8936 @ , \$ 80.0374  
@ , \$ 71.1126 @ , \$ 82.3704 @ , \$  
2 @ , \$ 178.458 @ , \$ 186.792 @ , \$ 177.75 @ , \$ 180.457 @ , \$ 184.109 @ , \$ 166.71 @ , \$ 171.61 @ , \$ 182.584 @ ,  
\$ 189.836 @ , \$ 184.521 @ , \$  
3 @ , \$ 222.798 @ , \$ 199.749 @ , \$ 213.348 @ , \$ 223.617 @ , \$ 216.42 @ , \$ 225.091 @ , \$ 216.498 @ , \$ 204.241  
@ , \$ 233.66 @ , \$ 209.084 @ , \$  
4 @ , \$ 209.071 @ , \$ 221.43 @ , \$ 216.743 @ , \$ 216.376 @ , \$ 216.103 @ , \$ 231.561 @ , \$ 206.01 @ , \$ 213.997 @  
, \$ 224.08 @ , \$ 210.09 @ , \$  
5 @ , \$ 245.656 @ , \$ 244.57 @ , \$ 243.329 @ , \$ 227.579 @ , \$ 234.213 @ , \$ 264.55 @ , \$ 230.29 @ , \$ 244.572 @ ,  
\$ 238.953 @ , \$ 242.952 @ , \$  
6 @ , \$ 225.037 @ , \$ 233.277 @ , \$ 212.537 @ , \$ 215.779 @ , \$ 227.089 @ , \$ 240.537 @ , \$ 225.532 @ , \$ 223.395  
@ , \$ 220.356 @ , \$ 226.994 @ , \$  
7 @ , \$ 132.907 @ , \$ 132.13 @ , \$ 131.34 @ , \$ 135.531 @ , \$ 131.236 @ , \$ 141.889 @ , \$ 130.985 @ , \$ 131.581 @  
, \$ 132.26 @ , \$ 133.182 @ , \$  
8 @ , \$ 177.956 @ , \$ 162.702 @ , \$ 165.962 @ , \$ 178.564 @ , \$ 169.966 @ , \$ 181.06 @ , \$ 184.303 @ , \$ 172.407  
@ , \$ 178.861 @ , \$ 168.243 @ , \$  
9 @ , \$ 17.8688 @ , \$ 20.9164 @ , \$ 16.8419 @ , \$ 25.1091 @ , \$ 21.6348 @ , \$ 36.0033 @ , \$ 26.142 @ , \$ 22.6868  
@ , \$ 25.99 @ , \$ 3.39438 @ , \$  
10 @ , \$ 0.237527 @ , \$ 11.6388 @ , \$ 18.5754 @ , \$ 31.2755 @ , \$ 41.1513 @ , \$ 45.449 @ , \$ 55.2115 @ , \$  
28.2024 @ , \$ 32.0009 @ , \$ 27.6492 @ , \$  
11 @ , \$ 205.619 @ , \$ 211.649 @ , \$ 223.551 @ , \$ 214.037 @ , \$ 212.328 @ , \$ 230.715 @ , \$ 212.267 @ , \$  
221.355 @ , \$ 208.524 @ , \$ 203.624 @ , \$  
12 @ , \$ 128.07 @ , \$ 118.407 @ , \$ 129.402 @ , \$ 128.667 @ , \$ 141.015 @ , \$ 149.273 @ , \$ 152.473 @ , \$ 111.789  
@ , \$ 123.299 @ , \$ 136.374 @ , \$  
13 @ , \$ 134.379 @ , \$ 129.008 @ , \$ 128.461 @ , \$ 130.078 @ , \$ 130.199 @ , \$ 139.331 @ , \$ 128.283 @ , \$  
132.617 @ , \$ 132.594 @ , \$ 135.377 @ , \$  
14 @ , \$ 22.7908 @ , \$ 12.0767 @ , \$ 24.9701 @ , \$ 14.1791 @ , \$ 22.9378 @ , \$ 43.0629 @ , \$ 16.559 @ , \$ 20.6466  
@ , \$ 14.094 @ , \$ 22.0162 @ , \$  
15 @ , \$ 64.6005 @ , \$ 52.4925 @ , \$ 73.7045 @ , \$ 54.1556 @ , \$ 59.341 @ , \$ 69.4599 @ , \$ 58.3272 @ , \$ 60.787  
@ , \$ 65.2666 @ , \$ 56.7217 @ , \$

#### CH19B087

Alpha = 0.095709

post anova t-test pairs after sorting the sample means in descending order

1,8

9,14

1 @ , \$ 200.985 @ , \$ 207.15 @ , \$ 209.776 @ , \$ 209.958 @ , \$ 203.349 @ , \$ 211.017 @ , \$ 199.613 @ , \$ 202.154 @ , \$ 213.684 @ , \$ 199.671 @ , \$ 2 @ , \$ 120.942 @ , \$ 122.505 @ , \$ 125.95 @ , \$ 119.207 @ , \$ 114.764 @ , \$ 132.644 @ , \$ 128.342 @ , \$ 120.927 @ , \$ 117.116 @ , \$ 117.285 @ , \$ 3 @ , \$ 128.824 @ , \$ 109.828 @ , \$ 116.388 @ , \$ 113.928 @ , \$ 115.448 @ , \$ 131.621 @ , \$ 116.691 @ , \$ 117.718 @ , \$ 118.191 @ , \$ 110.583 @ , \$ 4 @ , \$ 75.4393 @ , \$ 68.8968 @ , \$ 64.4751 @ , \$ 60.3671 @ , \$ 70.4778 @ , \$ 67.8017 @ , \$ 78.0855 @ , \$ 67.2974 @ , \$ 68.1125 @ , \$ 56.3242 @ , \$ 5 @ , \$ 131.291 @ , \$ 119.91 @ , \$ 127.725 @ , \$ 130.292 @ , \$ 114.836 @ , \$ 138.26 @ , \$ 128.568 @ , \$ 132.926 @ , \$ 129.35 @ , \$ 119.68 @ , \$ 6 @ , \$ 45.5114 @ , \$ 37.6558 @ , \$ 32.0864 @ , \$ 33.0508 @ , \$ 23.1839 @ , \$ 52.0791 @ , \$ 36.7282 @ , \$ 32.5004 @ , \$ 37.8729 @ , \$ 31.4672 @ , \$ 7 @ , \$ 82.9416 @ , \$ 104.119 @ , \$ 94.9682 @ , \$ 89.6478 @ , \$ 91.7598 @ , \$ 94.2721 @ , \$ 86.9215 @ , \$ 88.6888 @ , \$ 91.6179 @ , \$ 96.2074 @ , \$ 8 @ , \$ 229 @ , \$ 222.565 @ , \$ 212.625 @ , \$ 223.433 @ , \$ 217.709 @ , \$ 214.218 @ , \$ 220.466 @ , \$ 210.482 @ , \$ 219.088 @ , \$ 221.243 @ , \$ 9 @ , \$ 238.772 @ , \$ 228.418 @ , \$ 241.394 @ , \$ 252.892 @ , \$ 256.049 @ , \$ 243.175 @ , \$ 244.793 @ , \$ 244.419 @ , \$ 247.781 @ , \$ 253.491 @ , \$ 10 @ , \$ 135.966 @ , \$ 139.44 @ , \$ 140.768 @ , \$ 130.368 @ , \$ 133.499 @ , \$ 157.958 @ , \$ 135.387 @ , \$ 136.202 @ , \$ 141.674 @ , \$ 141.592 @ , \$ 11 @ , \$ 213.24 @ , \$ 236.469 @ , \$ 230.349 @ , \$ 232.419 @ , \$ 225.829 @ , \$ 234.862 @ , \$ 224.187 @ , \$ 219.464 @ , \$ 233.284 @ , \$ 222.198 @ , \$ 12 @ , \$ 65.6144 @ , \$ 68.0845 @ , \$ 69.1601 @ , \$ 65.0531 @ , \$ 63.8665 @ , \$ 68.8069 @ , \$ 61.8861 @ , \$ 61.6782 @ , \$ 59.4565 @ , \$ 62.971 @ , \$ 13 @ , \$ 191.634 @ , \$ 184.905 @ , \$ 199.842 @ , \$ 196.142 @ , \$ 200.672 @ , \$ 199.062 @ , \$ 194.138 @ , \$ 193.211 @ , \$ 193.18 @ , \$ 190.197 @ , \$ 14 @ , \$ 28.5995 @ , \$ 36.2399 @ , \$ 15.995 @ , \$ 22.4068 @ , \$ 12.8711 @ , \$ 20.755 @ , \$ 28.6028 @ , \$ 9.01784 @ , \$ 18.38 @ , \$ 15.3346 @ , \$ 15 @ , \$ 37.3264 @ , \$ 29.9982 @ , \$ 28.8211 @ , \$ 15.3176 @ , \$ 37.2282 @ , \$ 45.8367 @ , \$ 28.0184 @ , \$ 38.8417 @ , \$ 39.5814 @ , \$ 29.6812 @ , \$

CS17B115

Alpha = 0.0812306

post anova t-test pairs after sorting the sample means in descending order

1,4

11,13

1 @ , \$ 151.927 @ , \$ 161.273 @ , \$ 159.265 @ , \$ 161.143 @ , \$ 158.525 @ , \$ 153.348 @ , \$ 164.933 @ , \$ 164.36 @ , \$ 161.255 @ , \$ 162.288 @ , \$ 2 @ , \$ 281.466 @ , \$ 296.153 @ , \$ 293.514 @ , \$ 294.106 @ , \$ 287.356 @ , \$ 278.476 @ , \$ 287.327 @ , \$ 289.57 @ , \$ 290.226 @ , \$ 278.606 @ , \$ 3 @ , \$ 192.821 @ , \$ 196.437 @ , \$ 195.923 @ , \$ 179.986 @ , \$ 184.93 @ , \$ 212.682 @ , \$ 201.443 @ , \$ 193.578 @ , \$ 183.774 @ , \$ 183.831 @ , \$ 4 @ , \$ 26.2909 @ , \$ 32.6868 @ , \$ 26.018 @ , \$ 24.1789 @ , \$ 30.2287 @ , \$ 46.4224 @ , \$ 30.2139 @ , \$ 23.8622 @ , \$ 30.4866 @ , \$ 21.1108 @ , \$ 5 @ , \$ 158.295 @ , \$ 163.669 @ , \$ 163.994 @ , \$ 165.851 @ , \$ 160.813 @ , \$ 150.58 @ , \$ 170.965 @ , \$ 158.834 @ , \$ 147.294 @ , \$ 164.915 @ , \$ 6 @ , \$ 123.537 @ , \$ 128.709 @ , \$ 125.222 @ , \$ 122.603 @ , \$ 121.402 @ , \$ 136.96 @ , \$ 132.688 @ , \$ 115.742 @ , \$ 128.381 @ , \$ 130.805 @ , \$ 7 @ , \$ 120.18 @ , \$ 118.946 @ , \$ 118.962 @ , \$ 118.897 @ , \$ 118.172 @ , \$ 121.574 @ , \$ 116.304 @ , \$ 117.958 @ , \$ 119.809 @ , \$ 119.392 @ , \$ 8 @ , \$ 289.239 @ , \$ 296.158 @ , \$ 283.735 @ , \$ 296.504 @ , \$ 283.045 @ , \$ 296.235 @ , \$ 285.917 @ , \$ 289.218 @ , \$ 286.202 @ , \$ 284.267 @ , \$

9 @ , \$ 193.689 @ , \$ 190.948 @ , \$ 191.328 @ , \$ 197.145 @ , \$ 194.965 @ , \$ 202.647 @ , \$ 194.424 @ , \$ 194.019 @ , \$ 196.465 @ , \$ 193.288 @ , \$ 10 @ , \$ 190.506 @ , \$ 185.95 @ , \$ 179.782 @ , \$ 187.56 @ , \$ 211.94 @ , \$ 202.409 @ , \$ 200.593 @ , \$ 200.639 @ , \$ 191.63 @ , \$ 179.109 @ , \$ 11 @ , \$ 223.131 @ , \$ 219.646 @ , \$ 214.963 @ , \$ 208.885 @ , \$ 210.077 @ , \$ 226.253 @ , \$ 213.087 @ , \$ 229.215 @ , \$ 208.488 @ , \$ 208.512 @ , \$ 12 @ , \$ 195.294 @ , \$ 185.127 @ , \$ 186.574 @ , \$ 202.685 @ , \$ 195.42 @ , \$ 200.248 @ , \$ 191.217 @ , \$ 194.366 @ , \$ 191.236 @ , \$ 191.644 @ , \$ 13 @ , \$ 111.034 @ , \$ 107.144 @ , \$ 92.2883 @ , \$ 117.457 @ , \$ 108.442 @ , \$ 112.769 @ , \$ 116.75 @ , \$ 104.253 @ , \$ 114.38 @ , \$ 120.991 @ , \$ 14 @ , \$ 104.017 @ , \$ 114.309 @ , \$ 101.662 @ , \$ 109.125 @ , \$ 103.263 @ , \$ 110.085 @ , \$ 114.727 @ , \$ 93.2926 @ , \$ 112.954 @ , \$ 107.311 @ , \$ 15 @ , \$ 255.89 @ , \$ 249.502 @ , \$ 253.776 @ , \$ 254.953 @ , \$ 258.856 @ , \$ 264.672 @ , \$ 263.956 @ , \$ 256.092 @ , \$ 255.478 @ , \$ 255.016 @ , \$

CS18B014

Alpha = 0.0583201

post anova t-test pairs after sorting the sample means in descending order

3,8

9,13

1 @ , \$ 50.2577 @ , \$ 70.4148 @ , \$ 64.3222 @ , \$ 59.5509 @ , \$ 62.3088 @ , \$ 91.6026 @ , \$ 67.6326 @ , \$ 69.3411 @ , \$ 52.8944 @ , \$ 69.0608 @ , \$ 2 @ , \$ 33.7892 @ , \$ 38.5685 @ , \$ 29.0941 @ , \$ 39.0929 @ , \$ 37.5917 @ , \$ 44.7388 @ , \$ 46.1723 @ , \$ 34.5386 @ , \$ 39.9871 @ , \$ 47.5816 @ , \$ 3 @ , \$ 244.056 @ , \$ 257.942 @ , \$ 227.621 @ , \$ 245.564 @ , \$ 220.945 @ , \$ 257.385 @ , \$ 263.673 @ , \$ 238.956 @ , \$ 241.616 @ , \$ 248.033 @ , \$ 4 @ , \$ 291.522 @ , \$ 301.073 @ , \$ 292.156 @ , \$ 303.394 @ , \$ 298.932 @ , \$ 316.217 @ , \$ 301.999 @ , \$ 290.994 @ , \$ 293.97 @ , \$ 298.757 @ , \$ 5 @ , \$ 179.4 @ , \$ 183.663 @ , \$ 186.013 @ , \$ 183.774 @ , \$ 190.579 @ , \$ 187.918 @ , \$ 190.807 @ , \$ 188.732 @ , \$ 179.378 @ , \$ 189.47 @ , \$ 6 @ , \$ 246.482 @ , \$ 241.333 @ , \$ 234.367 @ , \$ 254.842 @ , \$ 222.754 @ , \$ 227.297 @ , \$ 238.479 @ , \$ 248.644 @ , \$ 249.848 @ , \$ 244.887 @ , \$ 7 @ , \$ 182.55 @ , \$ 180.466 @ , \$ 194.512 @ , \$ 183.8 @ , \$ 187.008 @ , \$ 205.497 @ , \$ 192.39 @ , \$ 178.145 @ , \$ 184.073 @ , \$ 189.488 @ , \$ 8 @ , \$ 234.906 @ , \$ 225.769 @ , \$ 223.081 @ , \$ 243.115 @ , \$ 231.875 @ , \$ 240.866 @ , \$ 228.774 @ , \$ 236.663 @ , \$ 231.614 @ , \$ 245.349 @ , \$ 9 @ , \$ 183.24 @ , \$ 189.07 @ , \$ 181.322 @ , \$ 175.168 @ , \$ 183.891 @ , \$ 194.551 @ , \$ 183.332 @ , \$ 184.586 @ , \$ 191.328 @ , \$ 174.178 @ , \$ 10 @ , \$ 202.872 @ , \$ 209.941 @ , \$ 183.399 @ , \$ 207.542 @ , \$ 205.268 @ , \$ 220.698 @ , \$ 225.038 @ , \$ 212.887 @ , \$ 189.093 @ , \$ 209.426 @ , \$ 11 @ , \$ 114.899 @ , \$ 120.666 @ , \$ 117.672 @ , \$ 118.11 @ , \$ 115.586 @ , \$ 131.564 @ , \$ 120.975 @ , \$ 121.35 @ , \$ 109.155 @ , \$ 118.021 @ , \$ 12 @ , \$ 34.8235 @ , \$ 40.3775 @ , \$ 47.0651 @ , \$ 45.7106 @ , \$ 44.1835 @ , \$ 47.5898 @ , \$ 46.9634 @ , \$ 42.8896 @ , \$ 63.1153 @ , \$ 45.7473 @ , \$ 13 @ , \$ 139.626 @ , \$ 136.167 @ , \$ 140.785 @ , \$ 133.163 @ , \$ 134.602 @ , \$ 138.232 @ , \$ 137.468 @ , \$ 131.768 @ , \$ 139.247 @ , \$ 133.4 @ , \$ 14 @ , \$ 232.03 @ , \$ 201.282 @ , \$ 210.497 @ , \$ 217.943 @ , \$ 213.952 @ , \$ 217.479 @ , \$ 219.483 @ , \$ 213.484 @ , \$ 210.595 @ , \$ 215.68 @ , \$ 15 @ , \$ 212.49 @ , \$ 223.632 @ , \$ 209.717 @ , \$ 240.63 @ , \$ 218.831 @ , \$ 238.659 @ , \$ 224.485 @ , \$ 214.027 @ , \$ 218.765 @ , \$ 230.924 @ , \$

CS19B038

Alpha = 0.0587957

post anova t-test pairs after sorting the sample means in descending order

3,4

10,15

1 @ , \$ 150.384 @ , \$ 142.712 @ , \$ 153.603 @ , \$ 151.072 @ , \$ 154.573 @ , \$ 162.803 @ , \$ 150.268 @ , \$ 147.249 @ , \$ 148.464 @ , \$ 146.35 @ , \$  
2 @ , \$ 93.9957 @ , \$ 89.6175 @ , \$ 85.7765 @ , \$ 93.1232 @ , \$ 84.9377 @ , \$ 83.8258 @ , \$ 83.3405 @ , \$ 86.8431 @ , \$ 80.4084 @ , \$ 81.9511 @ , \$  
3 @ , \$ 84.7077 @ , \$ 61.2465 @ , \$ 76.0434 @ , \$ 73.5804 @ , \$ 87.7288 @ , \$ 98.3904 @ , \$ 85.0741 @ , \$ 85.3284 @ , \$ 90.8184 @ , \$ 73.6553 @ , \$  
4 @ , \$ 38.2753 @ , \$ 49.3174 @ , \$ 46.8098 @ , \$ 46.718 @ , \$ 53.0006 @ , \$ 51.2712 @ , \$ 44.3626 @ , \$ 40.8462 @ , \$ 36.1657 @ , \$ 38.0144 @ , \$  
5 @ , \$ 152.003 @ , \$ 157.623 @ , \$ 142.332 @ , \$ 158.99 @ , \$ 144.047 @ , \$ 164.962 @ , \$ 143.934 @ , \$ 141.689 @ , \$ 140.824 @ , \$ 159.209 @ , \$  
6 @ , \$ 103.573 @ , \$ 94.1872 @ , \$ 90.8849 @ , \$ 96.3193 @ , \$ 89.5518 @ , \$ 110.021 @ , \$ 93.3454 @ , \$ 102.975 @ , \$ 97.9973 @ , \$ 96.3536 @ , \$  
7 @ , \$ 284.604 @ , \$ 284.911 @ , \$ 289.302 @ , \$ 286.799 @ , \$ 286.511 @ , \$ 276.572 @ , \$ 282.939 @ , \$ 280.809 @ , \$ 279.769 @ , \$ 288.345 @ , \$  
8 @ , \$ 279.994 @ , \$ 267.153 @ , \$ 269.135 @ , \$ 279.347 @ , \$ 271.121 @ , \$ 292.803 @ , \$ 278.832 @ , \$ 271.52 @ , \$ 275.139 @ , \$ 272.881 @ , \$  
9 @ , \$ 2.18132 @ , \$ 8.86502 @ , \$ 11.6353 @ , \$ 13.582 @ , \$ 5.77763 @ , \$ 4.83411 @ , \$ 12.2896 @ , \$ 2.09097 @ , \$ 7.81021 @ , \$ 10.5049 @ , \$  
10 @ , \$ 95.801 @ , \$ 95.4976 @ , \$ 108.664 @ , \$ 114.136 @ , \$ 83.826 @ , \$ 122.895 @ , \$ 94.5079 @ , \$ 112.071 @ , \$ 117.752 @ , \$ 107.443 @ , \$  
11 @ , \$ 105.469 @ , \$ 110.665 @ , \$ 103.962 @ , \$ 92.7386 @ , \$ 96.4094 @ , \$ 99.2895 @ , \$ 101.602 @ , \$ 89.9621 @ , \$ 99.7626 @ , \$ 117.99 @ , \$  
12 @ , \$ 139.592 @ , \$ 154.789 @ , \$ 134.295 @ , \$ 140.569 @ , \$ 142.536 @ , \$ 149.308 @ , \$ 149.38 @ , \$ 149.312 @ , \$ 137.516 @ , \$ 161.419 @ , \$  
13 @ , \$ 256.44 @ , \$ 251.447 @ , \$ 253.409 @ , \$ 249.944 @ , \$ 260.695 @ , \$ 263.541 @ , \$ 273.026 @ , \$ 257.959 @ , \$ 263.959 @ , \$ 261.958 @ , \$  
14 @ , \$ 47.9907 @ , \$ 62.0728 @ , \$ 60.5904 @ , \$ 61.0902 @ , \$ 57.252 @ , \$ 62.0063 @ , \$ 68.986 @ , \$ 56.3918 @ , \$ 67.868 @ , \$ 68.8326 @ , \$  
15 @ , \$ 42.9411 @ , \$ 43.4834 @ , \$ 41.0848 @ , \$ 38.1307 @ , \$ 35.5488 @ , \$ 38.2212 @ , \$ 40.7102 @ , \$ 31.455 @ , \$ 32.8751 @ , \$ 35.4976 @ , \$

ED18B007

Alpha = 0.0335334

post anova t-test pairs after sorting the sample means in descending order

2,4

9,13

1 @ , \$ 229.89 @ , \$ 236.5 @ , \$ 238.347 @ , \$ 240.495 @ , \$ 227.268 @ , \$ 271.406 @ , \$ 222.689 @ , \$ 222.562 @ , \$ 228.424 @ , \$ 214.876 @ , \$  
2 @ , \$ 25.24 @ , \$ 26.2072 @ , \$ 25.557 @ , \$ 26.4505 @ , \$ 33.2024 @ , \$ 42.9678 @ , \$ 22.06 @ , \$ 25.6427 @ , \$ 23.9607 @ , \$ 26.6125 @ , \$  
3 @ , \$ 274.579 @ , \$ 282.13 @ , \$ 280.513 @ , \$ 274.274 @ , \$ 271.498 @ , \$ 285.874 @ , \$ 285.384 @ , \$ 288.223 @ , \$ 290.288 @ , \$ 285.021 @ , \$  
4 @ , \$ 34.2113 @ , \$ 53.5719 @ , \$ 41.2635 @ , \$ 41.4633 @ , \$ 39.0732 @ , \$ 37.875 @ , \$ 36.978 @ , \$ 38.4488 @ , \$ 34.6926 @ , \$ 26.3614 @ , \$  
5 @ , \$ 265.238 @ , \$ 270.91 @ , \$ 274.457 @ , \$ 281.856 @ , \$ 264.316 @ , \$ 276.542 @ , \$ 266.68 @ , \$ 277.44 @ , \$ 257.105 @ , \$ 263.053 @ , \$  
6 @ , \$ 81.8203 @ , \$ 70.9459 @ , \$ 73.3803 @ , \$ 83.4953 @ , \$ 81.8419 @ , \$ 75.8117 @ , \$ 84.8493 @ , \$ 78 @ , \$ 93.0251 @ , \$ 70.9889 @ , \$  
7 @ , \$ 160.174 @ , \$ 160.189 @ , \$ 155.258 @ , \$ 140.698 @ , \$ 155.703 @ , \$ 161.205 @ , \$ 154.888 @ , \$ 151.217

@, \$ 148.091 @, \$ 143.438 @, \$  
8 @, \$ 264.105 @, \$ 268.066 @, \$ 270.607 @, \$ 260.536 @, \$ 267.78 @, \$ 283.451 @, \$ 260.595 @, \$ 265.791  
@, \$ 252.549 @, \$ 263.649 @, \$  
9 @, \$ 6.62295 @, \$ 1.22438 @, \$ -1.4086 @, \$ 7.45208 @, \$ -0.448524 @, \$ 12.5208 @, \$ -0.78532 @, \$  
2.71484 @, \$ 2.91525 @, \$ 8.13516 @, \$  
10 @, \$ 100.501 @, \$ 95.633 @, \$ 100.977 @, \$ 97.669 @, \$ 103.962 @, \$ 97.5684 @, \$ 105.995 @, \$ 98.1994  
@, \$ 103.589 @, \$ 94.8203 @, \$  
11 @, \$ 40.403 @, \$ 39.963 @, \$ 37.7365 @, \$ 38.4488 @, \$ 38.8278 @, \$ 33.7579 @, \$ 44.4816 @, \$ 39.6094  
@, \$ 47.4737 @, \$ 31.1414 @, \$  
12 @, \$ 144.794 @, \$ 129.171 @, \$ 143.525 @, \$ 147.108 @, \$ 142.049 @, \$ 139.666 @, \$ 137.743 @, \$  
148.445 @, \$ 138.491 @, \$ 136.299 @, \$  
13 @, \$ 75.4044 @, \$ 98.3403 @, \$ 88.4735 @, \$ 91.3414 @, \$ 95.4585 @, \$ 98.555 @, \$ 95.2795 @, \$ 98.9899  
@, \$ 90.8283 @, \$ 104.543 @, \$  
14 @, \$ 228.447 @, \$ 231.389 @, \$ 240.488 @, \$ 223.915 @, \$ 230.119 @, \$ 222.937 @, \$ 213.059 @, \$  
224.947 @, \$ 226.379 @, \$ 231.666 @, \$  
15 @, \$ -5.11797 @, \$ 3.11584 @, \$ 8.91014 @, \$ -6.11206 @, \$ -1.53922 @, \$ 22.2145 @, \$ -3.53225 @, \$  
2.05285 @, \$ 4.46088 @, \$ 10.4432 @, \$

ED18B008

Alpha = 0.0149534

post anova t-test pairs after sorting the sample means in descending order

3,5

10,15

1 @, \$ 201.216 @, \$ 216.084 @, \$ 217.624 @, \$ 210.963 @, \$ 207.134 @, \$ 212.856 @, \$ 217.869 @, \$ 222.913  
@, \$ 212.474 @, \$ 204.884 @, \$  
2 @, \$ 245.368 @, \$ 250.252 @, \$ 240.081 @, \$ 249.748 @, \$ 259.42 @, \$ 249.013 @, \$ 254.743 @, \$ 247.73 @,  
\$ 247.514 @, \$ 244.505 @, \$  
3 @, \$ 88.0912 @, \$ 90.0327 @, \$ 89.1941 @, \$ 97.8648 @, \$ 93.3279 @, \$ 109.425 @, \$ 92.9941 @, \$ 95.76 @,  
\$ 97.5607 @, \$ 95.5866 @, \$  
4 @, \$ 229.258 @, \$ 231.241 @, \$ 219.585 @, \$ 220.468 @, \$ 213.041 @, \$ 250.117 @, \$ 210.658 @, \$ 208.494  
@, \$ 209.652 @, \$ 221.576 @, \$  
5 @, \$ 217.162 @, \$ 201.118 @, \$ 201.267 @, \$ 213.886 @, \$ 205.736 @, \$ 222.09 @, \$ 211.577 @, \$ 210.304  
@, \$ 207.951 @, \$ 213.771 @, \$  
6 @, \$ 265.775 @, \$ 276.142 @, \$ 262.584 @, \$ 272.98 @, \$ 264.65 @, \$ 288.026 @, \$ 266.404 @, \$ 267.217 @,  
\$ 267.243 @, \$ 270.266 @, \$  
7 @, \$ 35.6746 @, \$ 60.0444 @, \$ 38.8529 @, \$ 40.5131 @, \$ 51.3163 @, \$ 64.9601 @, \$ 36.3022 @, \$ 31.2476  
@, \$ 58.4526 @, \$ 45.0542 @, \$  
8 @, \$ 88.6933 @, \$ 85.9941 @, \$ 88.0943 @, \$ 91.2299 @, \$ 86.582 @, \$ 107.043 @, \$ 89.7139 @, \$ 91.315 @,  
\$ 87.7453 @, \$ 90.4755 @, \$  
9 @, \$ 154.653 @, \$ 160.023 @, \$ 158.004 @, \$ 154.674 @, \$ 165.375 @, \$ 156.335 @, \$ 160.971 @, \$ 155.247  
@, \$ 157.393 @, \$ 160.848 @, \$  
10 @, \$ 76.608 @, \$ 83.6669 @, \$ 84.6284 @, \$ 83.4186 @, \$ 76.4466 @, \$ 78.6683 @, \$ 77.8784 @, \$ 82.2997  
@, \$ 75.0904 @, \$ 80.0878 @, \$  
11 @, \$ 134.92 @, \$ 159.999 @, \$ 150.047 @, \$ 131.76 @, \$ 126.303 @, \$ 170.847 @, \$ 149.395 @, \$ 149.007  
@, \$ 138.48 @, \$ 136.918 @, \$  
12 @, \$ 24.4425 @, \$ 6.41424 @, \$ 12.8456 @, \$ 28.5685 @, \$ 8.10785 @, \$ 19.9996 @, \$ -4.48418 @, \$  
9.45581 @, \$ 19.7666 @, \$ 21.3752 @, \$  
13 @, \$ 135.201 @, \$ 132.226 @, \$ 133.057 @, \$ 131.656 @, \$ 142.462 @, \$ 130.464 @, \$ 130.526 @, \$  
135.784 @, \$ 132.796 @, \$ 142.123 @, \$  
14 @, \$ 287.325 @, \$ 298.655 @, \$ 291.603 @, \$ 292.093 @, \$ 291.886 @, \$ 306.454 @, \$ 305.769 @, \$  
291.639 @, \$ 283.193 @, \$ 288.936 @, \$  
15 @, \$ 90.2404 @, \$ 88.8962 @, \$ 73.1244 @, \$ 75.2554 @, \$ 78.7164 @, \$ 82.1164 @, \$ 82.7077 @, \$  
88.8994 @, \$ 99.3753 @, \$ 92.7918 @, \$

ED18B012

Alpha = 0.0644073

post anova t-test pairs after sorting the sample means in descending order

3,6

9,13

1 @ , \$ 15.8107 @ , \$ 0.97351 @ , \$ 11.9325 @ , \$ 15.6675 @ , \$ 15.6383 @ , \$ 12.8384 @ , \$ 22.8368 @ , \$ 15.1435 @ , \$ 6.03916 @ , \$ 10.4599 @ , \$  
2 @ , \$ 167.91 @ , \$ 172.488 @ , \$ 160.88 @ , \$ 157.828 @ , \$ 140.747 @ , \$ 164.517 @ , \$ 172.579 @ , \$ 157.063 @ , \$ 163.348 @ , \$ 156.855 @ , \$  
3 @ , \$ 303.993 @ , \$ 290.332 @ , \$ 309.221 @ , \$ 300.716 @ , \$ 288.925 @ , \$ 299.043 @ , \$ 308.813 @ , \$ 300.47 @ , \$ 297.118 @ , \$ 291.589 @ , \$  
4 @ , \$ 270.558 @ , \$ 273.118 @ , \$ 255.969 @ , \$ 269.748 @ , \$ 268.878 @ , \$ 281.012 @ , \$ 265.314 @ , \$ 267.793 @ , \$ 261.794 @ , \$ 266.413 @ , \$  
5 @ , \$ 112.731 @ , \$ 84.1258 @ , \$ 105.799 @ , \$ 96.9807 @ , \$ 90.9037 @ , \$ 102.419 @ , \$ 106.532 @ , \$ 96.4127 @ , \$ 102.348 @ , \$ 114.476 @ , \$  
6 @ , \$ 11.0865 @ , \$ 16.6626 @ , \$ 17.1905 @ , \$ 16.8618 @ , \$ 4.83722 @ , \$ 19.1882 @ , \$ 2.57305 @ , \$ 2.13645 @ , \$ 19.8677 @ , \$ 4.1429 @ , \$  
7 @ , \$ 277.884 @ , \$ 282.216 @ , \$ 276.932 @ , \$ 271.082 @ , \$ 274.077 @ , \$ 273.586 @ , \$ 270.049 @ , \$ 274.661 @ , \$ 274.162 @ , \$ 266.501 @ , \$  
8 @ , \$ 89.4927 @ , \$ 96.4136 @ , \$ 94.9286 @ , \$ 86.4804 @ , \$ 95.3423 @ , \$ 99.3277 @ , \$ 81.6467 @ , \$ 88.7485 @ , \$ 94.4846 @ , \$ 85.3807 @ , \$  
9 @ , \$ 110.568 @ , \$ 109.864 @ , \$ 103.98 @ , \$ 104.896 @ , \$ 113.137 @ , \$ 139.104 @ , \$ 125.873 @ , \$ 108.786 @ , \$ 111.165 @ , \$ 116.266 @ , \$  
10 @ , \$ 191.665 @ , \$ 193.826 @ , \$ 195.541 @ , \$ 187.632 @ , \$ 200.48 @ , \$ 223.947 @ , \$ 192.889 @ , \$ 182.664 @ , \$ 184.003 @ , \$ 200.213 @ , \$  
11 @ , \$ 257.094 @ , \$ 250.498 @ , \$ 257.107 @ , \$ 248.657 @ , \$ 251.941 @ , \$ 258.332 @ , \$ 251.463 @ , \$ 236.926 @ , \$ 238.255 @ , \$ 264.887 @ , \$  
12 @ , \$ 20.8003 @ , \$ 27.2794 @ , \$ 0.992656 @ , \$ 23.5399 @ , \$ -0.386301 @ , \$ 30.2896 @ , \$ 25.6165 @ , \$ 15.1292 @ , \$ 11.4795 @ , \$ 23.5604 @ , \$  
13 @ , \$ 82.5179 @ , \$ 91.7262 @ , \$ 87.098 @ , \$ 85.0217 @ , \$ 93.2195 @ , \$ 102.818 @ , \$ 77.5604 @ , \$ 99.2921 @ , \$ 77.6566 @ , \$ 84.6151 @ , \$  
14 @ , \$ 129.2 @ , \$ 141.834 @ , \$ 139.988 @ , \$ 144.699 @ , \$ 137.936 @ , \$ 154.349 @ , \$ 141.952 @ , \$ 131.652 @ , \$ 141.726 @ , \$ 128.516 @ , \$  
15 @ , \$ 117.373 @ , \$ 115.359 @ , \$ 118.231 @ , \$ 105.189 @ , \$ 123.376 @ , \$ 134.161 @ , \$ 113.807 @ , \$ 111.517 @ , \$ 109.903 @ , \$ 105.537 @ , \$

ED18B022

Alpha = 0.0527753

post anova t-test pairs after sorting the sample means in descending order

2,8

10,13

1 @ , \$ 0.805924 @ , \$ 20.6551 @ , \$ 25.532 @ , \$ 3.92934 @ , \$ 15.0866 @ , \$ 29.6132 @ , \$ -9.27891 @ , \$ 12.2275 @ , \$ 10.3196 @ , \$ 17.7138 @ , \$  
2 @ , \$ 141.556 @ , \$ 116.114 @ , \$ 134.37 @ , \$ 123.999 @ , \$ 132.329 @ , \$ 133.904 @ , \$ 125.493 @ , \$ 129.424 @ , \$ 146.208 @ , \$ 122.772 @ , \$  
3 @ , \$ 21.9768 @ , \$ 23.1879 @ , \$ 41.5629 @ , \$ 37.7106 @ , \$ 14.8977 @ , \$ 23.9178 @ , \$ 45.766 @ , \$ 22.3359 @ , \$ 15.7691 @ , \$ 22.7739 @ , \$  
4 @ , \$ 14.9781 @ , \$ 6.35049 @ , \$ 17.3425 @ , \$ 8.42215 @ , \$ 15.5107 @ , \$ 26.9555 @ , \$ 12.7829 @ , \$ 2.28001 @ , \$ 14.5034 @ , \$ 5.99284 @ , \$  
5 @ , \$ 110.862 @ , \$ 111.812 @ , \$ 106.629 @ , \$ 109.219 @ , \$ 110.797 @ , \$ 118.373 @ , \$ 112.531 @ , \$ 114.584 @ , \$ 111.292 @ , \$ 109.149 @ , \$

6 @, \$ 262.584 @, \$ 261.881 @, \$ 267.475 @, \$ 262.92 @, \$ 267.502 @, \$ 272.604 @, \$ 264.95 @, \$ 265.376 @, \$ 272.074 @, \$ 266.231 @, \$ 7 @, \$ 240.468 @, \$ 238.303 @, \$ 243.579 @, \$ 230.511 @, \$ 248.613 @, \$ 251.389 @, \$ 232.492 @, \$ 241.484 @, \$ 242.64 @, \$ 245.17 @, \$ 8 @, \$ 139.463 @, \$ 133.948 @, \$ 157.878 @, \$ 131.723 @, \$ 147.631 @, \$ 169.831 @, \$ 160.473 @, \$ 156.544 @, \$ 148.944 @, \$ 130.812 @, \$ 9 @, \$ 208.636 @, \$ 205.319 @, \$ 200.015 @, \$ 195.777 @, \$ 196.882 @, \$ 221.515 @, \$ 213.356 @, \$ 210.704 @, \$ 196.322 @, \$ 211.149 @, \$ 10 @, \$ 59.3082 @, \$ 59.6033 @, \$ 49.2941 @, \$ 45.7429 @, \$ 52.8689 @, \$ 65.3179 @, \$ 61.673 @, \$ 66.7413 @, \$ 62.4849 @, \$ 56.2248 @, \$ 11 @, \$ 159.721 @, \$ 159.16 @, \$ 158.806 @, \$ 159.789 @, \$ 159.576 @, \$ 191.474 @, \$ 160.297 @, \$ 159.465 @, \$ 159.335 @, \$ 159.053 @, \$ 12 @, \$ 114.598 @, \$ 121.639 @, \$ 124.23 @, \$ 117.189 @, \$ 116.037 @, \$ 131.613 @, \$ 119.572 @, \$ 124.247 @, \$ 115.976 @, \$ 119.618 @, \$ 13 @, \$ 22.5015 @, \$ 18.7277 @, \$ 21.053 @, \$ 16.3507 @, \$ 24.0931 @, \$ 42.2975 @, \$ 7.86433 @, \$ 16.8572 @, \$ 15.6193 @, \$ 17.3602 @, \$ 14 @, \$ 280.411 @, \$ 284.6 @, \$ 280.901 @, \$ 275.607 @, \$ 278.512 @, \$ 289.696 @, \$ 279.445 @, \$ 282.387 @, \$ 277.608 @, \$ 278.481 @, \$ 15 @, \$ 8.12783 @, \$ 2.836 @, \$ 7.31042 @, \$ 6.25888 @, \$ 7.14782 @, \$ 28.0469 @, \$ 8.27097 @, \$ 15.1381 @, \$ 8.19307 @, \$ 5.69342 @, \$

ED18B024

Alpha = 0.0832345

post anova t-test pairs after sorting the sample means in descending order

2,4

12,14

1 @, \$ 132.479 @, \$ 160.324 @, \$ 157.655 @, \$ 161.178 @, \$ 159.958 @, \$ 172.163 @, \$ 166.176 @, \$ 159.419 @, \$ 152.74 @, \$ 151.444 @, \$ 2 @, \$ 62.6009 @, \$ 60.535 @, \$ 56.4535 @, \$ 53.1212 @, \$ 55.4484 @, \$ 64.9483 @, \$ 58.4747 @, \$ 58.0415 @, \$ 62.1834 @, \$ 55.9369 @, \$ 3 @, \$ 168.504 @, \$ 157.435 @, \$ 162.326 @, \$ 145.514 @, \$ 156.857 @, \$ 156.284 @, \$ 155.527 @, \$ 142.332 @, \$ 167.412 @, \$ 176.461 @, \$ 4 @, \$ 136.64 @, \$ 136.307 @, \$ 132.565 @, \$ 147.249 @, \$ 138.477 @, \$ 153.041 @, \$ 141.528 @, \$ 129.454 @, \$ 121.03 @, \$ 150.19 @, \$ 5 @, \$ 232.103 @, \$ 227.612 @, \$ 231.116 @, \$ 242.986 @, \$ 232.485 @, \$ 251.324 @, \$ 228.037 @, \$ 235.855 @, \$ 241.869 @, \$ 233.835 @, \$ 6 @, \$ 274.388 @, \$ 268.791 @, \$ 274.649 @, \$ 278.932 @, \$ 267.401 @, \$ 289.23 @, \$ 271.199 @, \$ 273.071 @, \$ 273.43 @, \$ 268.611 @, \$ 7 @, \$ 268.431 @, \$ 277.019 @, \$ 270.671 @, \$ 288.767 @, \$ 257.917 @, \$ 272.651 @, \$ 258.887 @, \$ 263.656 @, \$ 261.44 @, \$ 273.521 @, \$ 8 @, \$ 116.433 @, \$ 100.571 @, \$ 88.3987 @, \$ 105.636 @, \$ 91.4384 @, \$ 133.212 @, \$ 108.117 @, \$ 103.558 @, \$ 119.486 @, \$ 95.3403 @, \$ 9 @, \$ 278.181 @, \$ 281.047 @, \$ 277.656 @, \$ 275.862 @, \$ 278.767 @, \$ 285.919 @, \$ 278.224 @, \$ 272.217 @, \$ 280.631 @, \$ 273.525 @, \$ 10 @, \$ 83.176 @, \$ 78.9795 @, \$ 73.6177 @, \$ 80.455 @, \$ 85.5072 @, \$ 70.6722 @, \$ 70.9131 @, \$ 81.8712 @, \$ 79.594 @, \$ 82.6228 @, \$ 11 @, \$ 249.801 @, \$ 227.276 @, \$ 224.157 @, \$ 251.348 @, \$ 250.731 @, \$ 232.035 @, \$ 234.739 @, \$ 242.568 @, \$ 235.628 @, \$ 239.627 @, \$ 12 @, \$ 156.446 @, \$ 159.777 @, \$ 157.957 @, \$ 158.236 @, \$ 158.727 @, \$ 187.322 @, \$ 159.614 @, \$ 157.437 @, \$ 159.256 @, \$ 158.897 @, \$ 13 @, \$ 9.43975 @, \$ 11.369 @, \$ 22.0336 @, \$ 29.2829 @, \$ 18.3015 @, \$ 35.927 @, \$ 14.3024 @, \$ 37.475 @, \$ 1.22714 @, \$ 24.3184 @, \$ 14 @, \$ 267.397 @, \$ 263.35 @, \$ 274.047 @, \$ 280.709 @, \$ 281.129 @, \$ 293.51 @, \$ 277.088 @, \$ 281.341

@ , \$ 277.705 @ , \$ 264.44 @ , \$  
15 @ , \$ 264.783 @ , \$ 260.633 @ , \$ 270.472 @ , \$ 259.691 @ , \$ 278.849 @ , \$ 283.322 @ , \$ 276.336 @ , \$  
274.937 @ , \$ 273.495 @ , \$ 261.79 @ , \$

#### ED18B025

Alpha = 0.0363371

post anova t-test pairs after sorting the sample means in descending order

2,5

9,13

1 @ , \$ 63.1879 @ , \$ 49.3647 @ , \$ 40.2312 @ , \$ 50.8555 @ , \$ 59.5482 @ , \$ 62.9612 @ , \$ 62.5074 @ , \$ 59.9783  
@ , \$ 51.2899 @ , \$ 50.5601 @ , \$  
2 @ , \$ 15.3702 @ , \$ 15.1238 @ , \$ 8.25248 @ , \$ 16.3533 @ , \$ 20.2059 @ , \$ 23.9128 @ , \$ 15.0041 @ , \$ 12.6085  
@ , \$ 9.16888 @ , \$ 16.7443 @ , \$  
3 @ , \$ 25.118 @ , \$ 25.6976 @ , \$ 37.4264 @ , \$ 20.7673 @ , \$ 22.6923 @ , \$ 44.283 @ , \$ 20.5711 @ , \$ 12.8995 @  
, \$ 30.249 @ , \$ 36.5562 @ , \$  
4 @ , \$ 160.865 @ , \$ 177.251 @ , \$ 169.324 @ , \$ 158.958 @ , \$ 174.767 @ , \$ 183.553 @ , \$ 162.032 @ , \$ 168.443  
@ , \$ 168.363 @ , \$ 165.856 @ , \$  
5 @ , \$ 251.794 @ , \$ 260.243 @ , \$ 260.487 @ , \$ 242.124 @ , \$ 246.162 @ , \$ 253.104 @ , \$ 238.776 @ , \$ 247.121  
@ , \$ 238.559 @ , \$ 251.811 @ , \$  
6 @ , \$ 259.847 @ , \$ 254.675 @ , \$ 258.276 @ , \$ 258.413 @ , \$ 260.407 @ , \$ 274.297 @ , \$ 256.523 @ , \$ 259.496  
@ , \$ 254.106 @ , \$ 250.91 @ , \$  
7 @ , \$ 198.308 @ , \$ 195.36 @ , \$ 189.998 @ , \$ 181.874 @ , \$ 197.84 @ , \$ 227.218 @ , \$ 195.024 @ , \$ 200.249 @  
, \$ 208.858 @ , \$ 188.123 @ , \$  
8 @ , \$ 103.362 @ , \$ 109.709 @ , \$ 93.2569 @ , \$ 107.756 @ , \$ 93.7206 @ , \$ 115.992 @ , \$ 96.9874 @ , \$ 103.5 @  
, \$ 102.254 @ , \$ 103.867 @ , \$  
9 @ , \$ 80.4889 @ , \$ 84.7091 @ , \$ 83.5215 @ , \$ 78.8455 @ , \$ 83.3837 @ , \$ 87.3572 @ , \$ 81.8189 @ , \$ 70.7144  
@ , \$ 77.0112 @ , \$ 74.4706 @ , \$  
10 @ , \$ 28.7711 @ , \$ 27.5364 @ , \$ 21.2024 @ , \$ 18.3946 @ , \$ 26.9629 @ , \$ 48.1925 @ , \$ 16.8936 @ , \$  
16.9147 @ , \$ 25.0683 @ , \$ 28.7801 @ , \$  
11 @ , \$ 183.128 @ , \$ 192.898 @ , \$ 193.651 @ , \$ 188.297 @ , \$ 207.477 @ , \$ 205.032 @ , \$ 199.688 @ , \$  
204.039 @ , \$ 198.263 @ , \$ 196.551 @ , \$  
12 @ , \$ 68.9104 @ , \$ 81.2397 @ , \$ 70.7834 @ , \$ 60.1342 @ , \$ 75.6251 @ , \$ 82.5677 @ , \$ 70.681 @ , \$ 74.7348  
@ , \$ 67.9169 @ , \$ 76.2391 @ , \$  
13 @ , \$ 109.506 @ , \$ 100.527 @ , \$ 88.4007 @ , \$ 108.519 @ , \$ 99.7605 @ , \$ 119.918 @ , \$ 108.702 @ , \$  
111.725 @ , \$ 97.2488 @ , \$ 91.322 @ , \$  
14 @ , \$ 219.966 @ , \$ 202.066 @ , \$ 236.627 @ , \$ 241.622 @ , \$ 240.541 @ , \$ 251.993 @ , \$ 234.946 @ , \$  
222.492 @ , \$ 234.874 @ , \$ 246.789 @ , \$  
15 @ , \$ 119.517 @ , \$ 109.23 @ , \$ 125.913 @ , \$ 124.142 @ , \$ 117.333 @ , \$ 132.523 @ , \$ 112.336 @ , \$ 127.332  
@ , \$ 113.025 @ , \$ 118.176 @ , \$

#### ED18B036

Alpha = 0.0289835

post anova t-test pairs after sorting the sample means in descending order

1,7

10,13

1 @ , \$ 112.757 @ , \$ 118.418 @ , \$ 105.183 @ , \$ 108.608 @ , \$ 111.997 @ , \$ 119.966 @ , \$ 127.16 @ , \$ 103.277  
@ , \$ 111.983 @ , \$ 125.459 @ , \$  
2 @ , \$ 173.727 @ , \$ 166.946 @ , \$ 172.187 @ , \$ 171.893 @ , \$ 178.128 @ , \$ 190.326 @ , \$ 173.175 @ , \$ 172.174  
@ , \$ 161.856 @ , \$ 175.01 @ , \$  
3 @ , \$ 43.6122 @ , \$ 41.611 @ , \$ 43.662 @ , \$ 30.1449 @ , \$ 39.6917 @ , \$ 50.7989 @ , \$ 36.8932 @ , \$ 41.1597 @  
, \$ 40.7723 @ , \$ 32.3678 @ , \$  
4 @ , \$ 229.89 @ , \$ 226.891 @ , \$ 217.261 @ , \$ 239.234 @ , \$ 241.255 @ , \$ 257.299 @ , \$ 232.952 @ , \$ 237.073

@, \$ 221.02 @, \$ 229.42 @, \$ 5 @, \$ 19.0594 @, \$ 11.4448 @, \$ 16.0446 @, \$ 16.0041 @, \$ 10.7625 @, \$ 9.68158 @, \$ 19.6448 @, \$ 18.6792 @, \$ 5.95308 @, \$ 14.6734 @, \$ 6 @, \$ 77.5338 @, \$ 83.5924 @, \$ 89.8435 @, \$ 92.3657 @, \$ 89.8257 @, \$ 96.7427 @, \$ 72.9697 @, \$ 88.224 @, \$ 82.6281 @, \$ 83.3892 @, \$ 7 @, \$ 257.894 @, \$ 260.953 @, \$ 259.52 @, \$ 261.295 @, \$ 269.802 @, \$ 283.858 @, \$ 264.255 @, \$ 263.356 @, \$ 275.331 @, \$ 257.263 @, \$ 8 @, \$ 28.114 @, \$ 17.8227 @, \$ 17.3711 @, \$ 27.6563 @, \$ 34.2197 @, \$ 37.9874 @, \$ 38.2742 @, \$ 23.4146 @, \$ 19.0902 @, \$ 25.9792 @, \$ 9 @, \$ 54.5746 @, \$ 69.3435 @, \$ 78.9826 @, \$ 57.9117 @, \$ 70.9235 @, \$ 79.5911 @, \$ 60.0724 @, \$ 57.1755 @, \$ 53.5736 @, \$ 63.5486 @, \$ 10 @, \$ 145.837 @, \$ 147.383 @, \$ 136.587 @, \$ 138.307 @, \$ 129.851 @, \$ 153.027 @, \$ 137.732 @, \$ 140.945 @, \$ 144.656 @, \$ 158.875 @, \$ 11 @, \$ 290.214 @, \$ 293.766 @, \$ 295.061 @, \$ 292.021 @, \$ 292.973 @, \$ 306.459 @, \$ 294.086 @, \$ 292.065 @, \$ 293.22 @, \$ 293.804 @, \$ 12 @, \$ 56.3536 @, \$ 56.8071 @, \$ 56.8839 @, \$ 52.8978 @, \$ 56.3203 @, \$ 70.4562 @, \$ 49.5156 @, \$ 52.8094 @, \$ 51.7958 @, \$ 56.1316 @, \$ 13 @, \$ 43.9572 @, \$ 36.4951 @, \$ 12.1491 @, \$ 26.7726 @, \$ 38.8084 @, \$ 47.7322 @, \$ 26.1774 @, \$ 42.7178 @, \$ 41.7716 @, \$ 46.7198 @, \$ 14 @, \$ 213.699 @, \$ 195.106 @, \$ 210.136 @, \$ 188.882 @, \$ 198.683 @, \$ 195.01 @, \$ 208.794 @, \$ 198.912 @, \$ 192.495 @, \$ 190.531 @, \$ 15 @, \$ 242.898 @, \$ 252.267 @, \$ 248.646 @, \$ 246.388 @, \$ 245.408 @, \$ 254.509 @, \$ 249.25 @, \$ 251.049 @, \$ 257.622 @, \$ 261.157 @, \$

ED18B037

Alpha = 0.029898

post anova t-test pairs after sorting the sample means in descending order

3,6

9,15

1 @, \$ 222.994 @, \$ 233.581 @, \$ 232.544 @, \$ 224.704 @, \$ 217.671 @, \$ 227.547 @, \$ 248.383 @, \$ 222.537 @, \$ 222.284 @, \$ 242.653 @, \$ 2 @, \$ 68.6667 @, \$ 55.5773 @, \$ 62.1637 @, \$ 68.3268 @, \$ 71.9102 @, \$ 69.2958 @, \$ 66.573 @, \$ 59.7148 @, \$ 65.9681 @, \$ 52.1814 @, \$ 3 @, \$ 232.254 @, \$ 230.391 @, \$ 229.656 @, \$ 235.094 @, \$ 229.512 @, \$ 242.628 @, \$ 228.857 @, \$ 230.42 @, \$ 233.108 @, \$ 231.991 @, \$ 4 @, \$ 80.0803 @, \$ 82.6019 @, \$ 78.6572 @, \$ 77.0454 @, \$ 74.0119 @, \$ 88.451 @, \$ 73.2522 @, \$ 83.3439 @, \$ 83.8832 @, \$ 77.7972 @, \$ 5 @, \$ 207.134 @, \$ 207.357 @, \$ 221.39 @, \$ 238.77 @, \$ 218.28 @, \$ 205.513 @, \$ 241.464 @, \$ 210.488 @, \$ 209.828 @, \$ 232.293 @, \$ 6 @, \$ 152.176 @, \$ 168.392 @, \$ 176.902 @, \$ 166.921 @, \$ 152.976 @, \$ 178.753 @, \$ 156.656 @, \$ 163.306 @, \$ 154.061 @, \$ 160.871 @, \$ 7 @, \$ 257.43 @, \$ 243.265 @, \$ 247.291 @, \$ 245.325 @, \$ 266.05 @, \$ 267.124 @, \$ 248.663 @, \$ 239.597 @, \$ 252.677 @, \$ 261.012 @, \$ 8 @, \$ 20.1574 @, \$ 17.8122 @, \$ 16.7134 @, \$ 15.164 @, \$ 20.5675 @, \$ 44.5032 @, \$ 21.3726 @, \$ 14.86 @, \$ 21.3177 @, \$ 22.8465 @, \$ 9 @, \$ 165.711 @, \$ 173.957 @, \$ 183.4 @, \$ 165.534 @, \$ 170.749 @, \$ 177.173 @, \$ 167.404 @, \$ 167.023 @, \$ 169.75 @, \$ 168.638 @, \$ 10 @, \$ 52.6757 @, \$ 54.3416 @, \$ 40.2335 @, \$ 67.7934 @, \$ 69.1151 @, \$ 47.1442 @, \$ 49.0791 @, \$ 50.2475 @, \$ 61.591 @, \$ 64.8496 @, \$ 11 @, \$ 268.758 @, \$ 267.516 @, \$ 265.393 @, \$ 270.398 @, \$ 266.611 @, \$ 276.922 @, \$ 269.597 @, \$ 268.968 @, \$ 271.699 @, \$ 268.856 @, \$ 12 @, \$ 36.5946 @, \$ 31.5077 @, \$ 41.1128 @, \$ 40.1962 @, \$ 34.232 @, \$ 63.1391 @, \$ 23.6563 @, \$ 59.26 @, \$ 45.1642 @, \$ 56.3015 @, \$

13 @ , \$ 156.4 @ , \$ 157.369 @ , \$ 155.028 @ , \$ 160.119 @ , \$ 159.089 @ , \$ 171.668 @ , \$ 156.012 @ , \$ 156.642 @ , \$ 158.098 @ , \$ 156.112 @ , \$ 14 @ , \$ 162.381 @ , \$ 154.185 @ , \$ 155.413 @ , \$ 154.913 @ , \$ 161.323 @ , \$ 175.328 @ , \$ 151.487 @ , \$ 156.537 @ , \$ 160.366 @ , \$ 153.935 @ , \$ 15 @ , \$ 234.01 @ , \$ 232.971 @ , \$ 233.389 @ , \$ 237.684 @ , \$ 231.527 @ , \$ 248.955 @ , \$ 233.747 @ , \$ 235.758 @ , \$ 234.492 @ , \$ 231.284 @ , \$

### ED18B039

Alpha = 0.0457809

post anova t-test pairs after sorting the sample means in descending order

2,4

12,14

1 @ , \$ 18.643 @ , \$ 0.839798 @ , \$ 17.2136 @ , \$ 31.8853 @ , \$ 14.2963 @ , \$ 25.4052 @ , \$ -3.44034 @ , \$ 10.6982 @ , \$ 14.2201 @ , \$ 35.7163 @ , \$ 2 @ , \$ 119.785 @ , \$ 117.355 @ , \$ 108.566 @ , \$ 111.166 @ , \$ 116.285 @ , \$ 104.679 @ , \$ 109.879 @ , \$ 109.588 @ , \$ 102.611 @ , \$ 100.597 @ , \$ 3 @ , \$ 253.816 @ , \$ 266.884 @ , \$ 257.833 @ , \$ 265.99 @ , \$ 258.941 @ , \$ 270.573 @ , \$ 250.817 @ , \$ 253.592 @ , \$ 268.597 @ , \$ 252.112 @ , \$ 4 @ , \$ 140.283 @ , \$ 144.462 @ , \$ 151.757 @ , \$ 143.397 @ , \$ 134.828 @ , \$ 166.64 @ , \$ 144.79 @ , \$ 141.685 @ , \$ 138.883 @ , \$ 142.574 @ , \$ 5 @ , \$ 177.293 @ , \$ 169.138 @ , \$ 186.422 @ , \$ 158.702 @ , \$ 188.602 @ , \$ 200.856 @ , \$ 172.646 @ , \$ 177.389 @ , \$ 184.295 @ , \$ 161.126 @ , \$ 6 @ , \$ 44.1213 @ , \$ 60.2902 @ , \$ 42.3561 @ , \$ 25.018 @ , \$ 47.1645 @ , \$ 54.2014 @ , \$ 48.2907 @ , \$ 44.1039 @ , \$ 52.2787 @ , \$ 44.2739 @ , \$ 7 @ , \$ 194.563 @ , \$ 190.609 @ , \$ 194.637 @ , \$ 195.478 @ , \$ 194.858 @ , \$ 203.867 @ , \$ 189.524 @ , \$ 192.085 @ , \$ 189.075 @ , \$ 191.347 @ , \$ 8 @ , \$ 1.29147 @ , \$ 2.52968 @ , \$ 12.3413 @ , \$ 11.4677 @ , \$ -5.25649 @ , \$ 0.96942 @ , \$ 0.148131 @ , \$ 1.83503 @ , \$ 0.956972 @ , \$ 10.5401 @ , \$ 9 @ , \$ 293.517 @ , \$ 295.624 @ , \$ 298.419 @ , \$ 296.989 @ , \$ 296.375 @ , \$ 289.192 @ , \$ 292.484 @ , \$ 299.212 @ , \$ 289.365 @ , \$ 295.021 @ , \$ 10 @ , \$ 253.846 @ , \$ 246.115 @ , \$ 234.864 @ , \$ 252.029 @ , \$ 242.356 @ , \$ 247.329 @ , \$ 248.14 @ , \$ 244.117 @ , \$ 247.127 @ , \$ 253.627 @ , \$ 11 @ , \$ 208.734 @ , \$ 196.472 @ , \$ 209.204 @ , \$ 209.328 @ , \$ 202.38 @ , \$ 208.342 @ , \$ 204.407 @ , \$ 211.696 @ , \$ 215.169 @ , \$ 205.162 @ , \$ 12 @ , \$ 256.814 @ , \$ 255.235 @ , \$ 268.706 @ , \$ 251.014 @ , \$ 256.622 @ , \$ 264.714 @ , \$ 265.057 @ , \$ 268.406 @ , \$ 255.296 @ , \$ 266.235 @ , \$ 13 @ , \$ 25.0373 @ , \$ -4.44673 @ , \$ -3.17181 @ , \$ -6.92355 @ , \$ 10.9969 @ , \$ 3.34664 @ , \$ 11.7287 @ , \$ 13.1565 @ , \$ 0.935211 @ , \$ 2.38199 @ , \$ 14 @ , \$ 201.947 @ , \$ 205.535 @ , \$ 219.235 @ , \$ 207.655 @ , \$ 219.031 @ , \$ 227.418 @ , \$ 215.348 @ , \$ 207.777 @ , \$ 201.299 @ , \$ 217.745 @ , \$ 15 @ , \$ 88.2838 @ , \$ 82.2819 @ , \$ 78.5769 @ , \$ 89.2413 @ , \$ 94.1556 @ , \$ 96.093 @ , \$ 89.7045 @ , \$ 93.2057 @ , \$ 84.8443 @ , \$ 83.8402 @ , \$

### ED18B047

Alpha = 0.0238969

post anova t-test pairs after sorting the sample means in descending order

3,7

9,15

1 @ , \$ 245.448 @ , \$ 231.039 @ , \$ 251.895 @ , \$ 239.798 @ , \$ 251.847 @ , \$ 242.201 @ , \$ 237.375 @ , \$ 240.902 @ , \$ 233.653 @ , \$ 226.1 @ , \$ 2 @ , \$ 39.3569 @ , \$ 37.3599 @ , \$ 36.1334 @ , \$ 51.3325 @ , \$ 30.288 @ , \$ 62.8947 @ , \$ 33.1265 @ , \$ 41.6721 @ , \$ 25.2503 @ , \$ 31.7451 @ , \$

3 @, \$ 63.7171 @, \$ 79.7058 @, \$ 84.5109 @, \$ 74.0286 @, \$ 95.9582 @, \$ 105.34 @, \$ 78.7275 @, \$ 75.2152 @, \$ 83.0215 @, \$ 73.4318 @, \$ 4 @, \$ 71.92 @, \$ 67.4137 @, \$ 82.4895 @, \$ 58.2447 @, \$ 84.1171 @, \$ 63.5525 @, \$ 68.4043 @, \$ 77.5461 @, \$ 64.7526 @, \$ 68.2812 @, \$ 5 @, \$ 154.768 @, \$ 138.443 @, \$ 146.126 @, \$ 144.848 @, \$ 144.57 @, \$ 157.335 @, \$ 148.726 @, \$ 141.956 @, \$ 140.389 @, \$ 152.23 @, \$ 6 @, \$ 233.934 @, \$ 226.816 @, \$ 222.851 @, \$ 222.704 @, \$ 224.665 @, \$ 211.207 @, \$ 232.873 @, \$ 222.241 @, \$ 228.22 @, \$ 220.277 @, \$ 7 @, \$ 246.701 @, \$ 232.339 @, \$ 254.869 @, \$ 245.249 @, \$ 243.27 @, \$ 271.959 @, \$ 238.224 @, \$ 231.164 @, \$ 229.006 @, \$ 222.641 @, \$ 8 @, \$ 150.398 @, \$ 137.105 @, \$ 127.401 @, \$ 142.832 @, \$ 145.315 @, \$ 130.387 @, \$ 133.487 @, \$ 146.171 @, \$ 143.02 @, \$ 142.079 @, \$ 9 @, \$ 234.213 @, \$ 235.606 @, \$ 241.535 @, \$ 236.999 @, \$ 226.759 @, \$ 246.225 @, \$ 236.208 @, \$ 237.818 @, \$ 221.538 @, \$ 247.821 @, \$ 10 @, \$ 79.0721 @, \$ 74.625 @, \$ 96.7908 @, \$ 81.9274 @, \$ 76.8801 @, \$ 78.7714 @, \$ 73.1117 @, \$ 98.7899 @, \$ 83.8924 @, \$ 78.6491 @, \$ 11 @, \$ 173.412 @, \$ 169.788 @, \$ 165.97 @, \$ 177.445 @, \$ 171.921 @, \$ 178.229 @, \$ 172.028 @, \$ 170.192 @, \$ 162.386 @, \$ 165.388 @, \$ 12 @, \$ 235.444 @, \$ 246.775 @, \$ 245.147 @, \$ 238.816 @, \$ 243.527 @, \$ 251.55 @, \$ 237.219 @, \$ 243.87 @, \$ 245.957 @, \$ 228.509 @, \$ 13 @, \$ 116.409 @, \$ 121.016 @, \$ 119.866 @, \$ 98.5336 @, \$ 115.975 @, \$ 135.871 @, \$ 96.6148 @, \$ 112.282 @, \$ 115.145 @, \$ 123.796 @, \$ 14 @, \$ 132.277 @, \$ 144.156 @, \$ 141.314 @, \$ 138.557 @, \$ 147.851 @, \$ 142.787 @, \$ 154.328 @, \$ 141.282 @, \$ 151.71 @, \$ 144.998 @, \$ 15 @, \$ 231.821 @, \$ 238.101 @, \$ 238.9 @, \$ 238.415 @, \$ 247.411 @, \$ 269.686 @, \$ 248.649 @, \$ 239.421 @, \$ 241.841 @, \$ 246.077 @, \$

ED18B052

Alpha = 0.0803533

post anova t-test pairs after sorting the sample means in descending order

3,8

10,14

1 @, \$ 212.66 @, \$ 218.589 @, \$ 232.766 @, \$ 223.9 @, \$ 239.063 @, \$ 245.578 @, \$ 222.363 @, \$ 232.71 @, \$ 233.872 @, \$ 232.794 @, \$ 2 @, \$ 256.146 @, \$ 261.343 @, \$ 260.282 @, \$ 263.741 @, \$ 263.386 @, \$ 289.232 @, \$ 253.336 @, \$ 255.769 @, \$ 258.994 @, \$ 255.485 @, \$ 3 @, \$ 40.394 @, \$ 50.22 @, \$ 40.9647 @, \$ 38.2278 @, \$ 45.2081 @, \$ 46.2877 @, \$ 43.1459 @, \$ 45.6356 @, \$ 39.3402 @, \$ 50.281 @, \$ 4 @, \$ 147.666 @, \$ 154.726 @, \$ 142.299 @, \$ 146.653 @, \$ 136.735 @, \$ 158.265 @, \$ 148.293 @, \$ 139.064 @, \$ 157.891 @, \$ 140.588 @, \$ 5 @, \$ 22.5215 @, \$ 32.0928 @, \$ 34.5393 @, \$ 20.4287 @, \$ 21.1801 @, \$ 34.997 @, \$ 19.7759 @, \$ 27.2307 @, \$ 27.6671 @, \$ 40.4086 @, \$ 6 @, \$ 56.5384 @, \$ 59.6552 @, \$ 55.0764 @, \$ 64.7273 @, \$ 64.7414 @, \$ 86.4308 @, \$ 58.9314 @, \$ 51.2673 @, \$ 56.3277 @, \$ 38.7541 @, \$ 7 @, \$ 134.98 @, \$ 126.189 @, \$ 118.581 @, \$ 126.063 @, \$ 120.138 @, \$ 113.363 @, \$ 126.033 @, \$ 116.837 @, \$ 137.388 @, \$ 136.689 @, \$ 8 @, \$ 16.301 @, \$ 12.4759 @, \$ 16.0387 @, \$ 8.67634 @, \$ 29.2152 @, \$ 24.8398 @, \$ -0.711491 @, \$ 10.803 @, \$ 17.9795 @, \$ 23.874 @, \$ 9 @, \$ 189.398 @, \$ 193.649 @, \$ 201.28 @, \$ 194.486 @, \$ 205.478 @, \$ 197.49 @, \$ 187.928 @, \$ 193.312 @, \$ 194.183 @, \$ 203.19 @, \$ 10 @, \$ 8.54051 @, \$ 12.8274 @, \$ 15.7332 @, \$ 2.81241 @, \$ 10.3459 @, \$ 20.763 @, \$ 8.91333 @, \$ 3.72846 @, \$ 13.3503 @, \$ 18.6578 @, \$ 11 @, \$ 7.36225 @, \$ 6.47779 @, \$ 4.44617 @, \$ 10.436 @, \$ 3.30037 @, \$ 22.7618 @, \$ 13.1942 @, \$ -4.71981

@ , \$ 2.62163 @ , \$ 9.0923 @ , \$  
12 @ , \$ 242.595 @ , \$ 240.989 @ , \$ 233.212 @ , \$ 242.983 @ , \$ 243.306 @ , \$ 255.961 @ , \$ 237.671 @ , \$  
242.219 @ , \$ 249.755 @ , \$ 241.354 @ , \$  
13 @ , \$ 42.4072 @ , \$ 26.8436 @ , \$ 37.9283 @ , \$ 31.7522 @ , \$ 42.0739 @ , \$ 35.9159 @ , \$ 34.6895 @ , \$  
50.2963 @ , \$ 35.7781 @ , \$ 45.8756 @ , \$  
14 @ , \$ 45.3466 @ , \$ 27.407 @ , \$ 21.0103 @ , \$ 23.902 @ , \$ 26.1616 @ , \$ 37.1661 @ , \$ 35.1054 @ , \$ 24.8569  
@ , \$ 22.0324 @ , \$ 17.6664 @ , \$  
15 @ , \$ 293.357 @ , \$ 293.991 @ , \$ 284.736 @ , \$ 295.74 @ , \$ 293.246 @ , \$ 303.838 @ , \$ 293.619 @ , \$ 297.59  
@ , \$ 293.871 @ , \$ 298.916 @ , \$

## EE18B112

Alpha = 0.0982915

post anova t-test pairs after sorting the sample means in descending order

2,4

10,14

1 @ , \$ 297.314 @ , \$ 300.229 @ , \$ 299.374 @ , \$ 281.384 @ , \$ 297.729 @ , \$ 307.735 @ , \$ 304.347 @ , \$ 301.028  
@ , \$ 292.108 @ , \$ 291.599 @ , \$  
2 @ , \$ 75.4568 @ , \$ 77.0506 @ , \$ 79.9109 @ , \$ 71.7891 @ , \$ 74.5304 @ , \$ 80.9174 @ , \$ 73.9927 @ , \$ 83.7281  
@ , \$ 78.2366 @ , \$ 71.3763 @ , \$  
3 @ , \$ 239.508 @ , \$ 242.781 @ , \$ 234.839 @ , \$ 232.66 @ , \$ 234.587 @ , \$ 255.546 @ , \$ 227.906 @ , \$ 234.675  
@ , \$ 237.262 @ , \$ 246.51 @ , \$  
4 @ , \$ 237.716 @ , \$ 241.954 @ , \$ 253.602 @ , \$ 232.38 @ , \$ 263.128 @ , \$ 250.717 @ , \$ 236.603 @ , \$ 246.274  
@ , \$ 238.57 @ , \$ 252.324 @ , \$  
5 @ , \$ 156.997 @ , \$ 137.782 @ , \$ 136.295 @ , \$ 160.198 @ , \$ 151.08 @ , \$ 165.106 @ , \$ 160.801 @ , \$ 156.735  
@ , \$ 165.255 @ , \$ 153.73 @ , \$  
6 @ , \$ 84.6144 @ , \$ 83.233 @ , \$ 78.5048 @ , \$ 84.3356 @ , \$ 80.5971 @ , \$ 94.9436 @ , \$ 80.087 @ , \$ 86.0565 @  
, \$ 85.3735 @ , \$ 82.7115 @ , \$  
7 @ , \$ 202.764 @ , \$ 202.06 @ , \$ 203.919 @ , \$ 210.687 @ , \$ 211.352 @ , \$ 233.584 @ , \$ 210.497 @ , \$ 203.234  
@ , \$ 205.985 @ , \$ 207.694 @ , \$  
8 @ , \$ 127.669 @ , \$ 130.468 @ , \$ 125.145 @ , \$ 139.55 @ , \$ 125.29 @ , \$ 133.351 @ , \$ 130.762 @ , \$ 132.382 @  
, \$ 142.11 @ , \$ 122.519 @ , \$  
9 @ , \$ 148.981 @ , \$ 145.956 @ , \$ 154.237 @ , \$ 150.928 @ , \$ 147.533 @ , \$ 154.775 @ , \$ 148.896 @ , \$ 150.033  
@ , \$ 146.892 @ , \$ 156.729 @ , \$  
10 @ , \$ 241.792 @ , \$ 240.061 @ , \$ 242.176 @ , \$ 235.96 @ , \$ 244.649 @ , \$ 239.722 @ , \$ 237.679 @ , \$ 241.968  
@ , \$ 249.514 @ , \$ 241.796 @ , \$  
11 @ , \$ 99.5222 @ , \$ 98.6063 @ , \$ 101.411 @ , \$ 100.312 @ , \$ 97.7842 @ , \$ 111.215 @ , \$ 100.125 @ , \$  
97.8635 @ , \$ 97.9906 @ , \$ 96.1338 @ , \$  
12 @ , \$ 270.013 @ , \$ 274.891 @ , \$ 272.804 @ , \$ 287.312 @ , \$ 282.164 @ , \$ 274.512 @ , \$ 269.337 @ , \$ 277.91  
@ , \$ 279.012 @ , \$ 267.48 @ , \$  
13 @ , \$ 290.8 @ , \$ 286.216 @ , \$ 289.676 @ , \$ 289.422 @ , \$ 295.759 @ , \$ 295.079 @ , \$ 290.717 @ , \$ 295.343  
@ , \$ 284.251 @ , \$ 297.076 @ , \$  
14 @ , \$ 93.5127 @ , \$ 102.965 @ , \$ 79.5831 @ , \$ 94.2429 @ , \$ 94.066 @ , \$ 77.098 @ , \$ 101.674 @ , \$ 97.5787  
@ , \$ 112.895 @ , \$ 95.9562 @ , \$  
15 @ , \$ 283.505 @ , \$ 290.334 @ , \$ 277.02 @ , \$ 289.794 @ , \$ 277.28 @ , \$ 291.74 @ , \$ 281.322 @ , \$ 281.869 @  
, \$ 271.971 @ , \$ 285.631 @ , \$

## EE18B130

Alpha = 0.0887192

post anova t-test pairs after sorting the sample means in descending order

2,8

11,15

1 @ , \$ 90.9715 @ , \$ 104.892 @ , \$ 103.54 @ , \$ 100.65 @ , \$ 99.5163 @ , \$ 88.1565 @ , \$ 86.468 @ , \$ 107.742 @ ,

\$ 85.3538 @, \$ 98.7277 @, \$ 2 @, \$ 129.108 @, \$ 120.78 @, \$ 121.458 @, \$ 125.216 @, \$ 119.097 @, \$ 140.896 @, \$ 112.605 @, \$ 115.785 @, \$ 120.21 @, \$ 114.832 @, \$ 3 @, \$ 148.078 @, \$ 148.925 @, \$ 148.32 @, \$ 146.265 @, \$ 143.836 @, \$ 158.131 @, \$ 157.01 @, \$ 136.154 @, \$ 139.208 @, \$ 135.876 @, \$ 4 @, \$ 142.786 @, \$ 148.094 @, \$ 138.344 @, \$ 140.284 @, \$ 144.02 @, \$ 145.363 @, \$ 141.601 @, \$ 141.072 @, \$ 147.608 @, \$ 145.924 @, \$ 5 @, \$ 192.894 @, \$ 205.622 @, \$ 181.16 @, \$ 178.6 @, \$ 198.353 @, \$ 190.236 @, \$ 192.481 @, \$ 195.551 @, \$ 201.411 @, \$ 200.07 @, \$ 6 @, \$ 86.9551 @, \$ 111.898 @, \$ 107.122 @, \$ 104.907 @, \$ 117.466 @, \$ 123.001 @, \$ 100.939 @, \$ 102.363 @, \$ 106.789 @, \$ 89.0546 @, \$ 7 @, \$ 260.392 @, \$ 261.497 @, \$ 250.616 @, \$ 262.459 @, \$ 260.232 @, \$ 285.633 @, \$ 269.908 @, \$ 259.333 @, \$ 261.777 @, \$ 258.975 @, \$ 8 @, \$ 8.39 @, \$ 5.94798 @, \$ 6.7817 @, \$ 0.141873 @, \$ 4.51544 @, \$ 25.4612 @, \$ 3.59736 @, \$ 0.250053 @, \$ -2.32224 @, \$ 4.69084 @, \$ 9 @, \$ 97.1459 @, \$ 101.067 @, \$ 104.476 @, \$ 122.111 @, \$ 101.457 @, \$ 109.759 @, \$ 102.925 @, \$ 96.9058 @, \$ 94.3727 @, \$ 102.992 @, \$ 10 @, \$ 189.67 @, \$ 188.866 @, \$ 183.284 @, \$ 189.708 @, \$ 181.215 @, \$ 175.465 @, \$ 187.856 @, \$ 196.371 @, \$ 183.043 @, \$ 188.334 @, \$ 11 @, \$ 209.495 @, \$ 195.522 @, \$ 217.024 @, \$ 204.622 @, \$ 210.149 @, \$ 225.029 @, \$ 201.509 @, \$ 212.659 @, \$ 207.293 @, \$ 210.733 @, \$ 12 @, \$ 34.813 @, \$ 6.40172 @, \$ 19.1524 @, \$ 21.6794 @, \$ 25.0668 @, \$ 46.3277 @, \$ 32.22 @, \$ 30.7894 @, \$ 31.7961 @, \$ 23.1273 @, \$ 13 @, \$ 144.649 @, \$ 150.756 @, \$ 146.566 @, \$ 141.309 @, \$ 152.66 @, \$ 144.302 @, \$ 152.936 @, \$ 144.196 @, \$ 140.923 @, \$ 142.346 @, \$ 14 @, \$ 16.5457 @, \$ 12.2268 @, \$ -0.850133 @, \$ 8.69361 @, \$ 4.04503 @, \$ 10.2098 @, \$ 1.21797 @, \$ 23.0884 @, \$ 1.55812 @, \$ 1.83204 @, \$ 15 @, \$ 224.871 @, \$ 214.897 @, \$ 234.607 @, \$ 242.971 @, \$ 232.658 @, \$ 238.125 @, \$ 219.346 @, \$ 225.078 @, \$ 222.893 @, \$ 230.16 @, \$

EE18B142

Alpha = 0.0416993

post anova t-test pairs after sorting the sample means in descending order

2,5

9,14

1 @, \$ 242.945 @, \$ 239.03 @, \$ 227.678 @, \$ 229.987 @, \$ 237.417 @, \$ 237.386 @, \$ 232.107 @, \$ 219.421 @, \$ 236.307 @, \$ 238.538 @, \$ 2 @, \$ 103.428 @, \$ 106.066 @, \$ 106.65 @, \$ 103.192 @, \$ 101.882 @, \$ 129.438 @, \$ 100.574 @, \$ 102.042 @, \$ 112.964 @, \$ 99.3259 @, \$ 3 @, \$ 35.0056 @, \$ 38.1979 @, \$ 34.78 @, \$ 40.9785 @, \$ 30.9994 @, \$ 44.0605 @, \$ 35.9072 @, \$ 37.4507 @, \$ 37.5225 @, \$ 38.1784 @, \$ 4 @, \$ 125.539 @, \$ 120.948 @, \$ 118.63 @, \$ 116.574 @, \$ 120.771 @, \$ 142.615 @, \$ 121.443 @, \$ 122.55 @, \$ 122.68 @, \$ 119.732 @, \$ 5 @, \$ 254.528 @, \$ 252.78 @, \$ 256.766 @, \$ 256.455 @, \$ 250.407 @, \$ 274.798 @, \$ 254.073 @, \$ 249.038 @, \$ 248.707 @, \$ 240.031 @, \$ 6 @, \$ -1.96327 @, \$ 2.06408 @, \$ 5.3762 @, \$ 3.56869 @, \$ 2.32766 @, \$ 20.6311 @, \$ -0.793138 @, \$ -0.0463673 @, \$ -0.146428 @, \$ 7.91644 @, \$ 7 @, \$ 239.75 @, \$ 239.042 @, \$ 240.465 @, \$ 239.277 @, \$ 238.612 @, \$ 258.713 @, \$ 239.6 @, \$ 240.052 @, \$ 238.351 @, \$ 240.171 @, \$ 8 @, \$ 48.4245 @, \$ 59.9316 @, \$ 57.3331 @, \$ 48.2939 @, \$ 55.7982 @, \$ 56.9441 @, \$ 40.8688 @, \$ 56.5835 @, \$ 62.96 @, \$ 62.8342 @, \$ 9 @, \$ 267.79 @, \$ 269.502 @, \$ 273.071 @, \$ 268.452 @, \$ 272.783 @, \$ 285.025 @, \$ 270.224 @, \$ 268.79 @, \$ 269.479 @, \$ 271.556 @, \$

10 @ , \$ 65.4185 @ , \$ 66.3358 @ , \$ 62.7934 @ , \$ 70.3229 @ , \$ 61.3245 @ , \$ 88.3444 @ , \$ 58.3875 @ , \$ 70.9259 @ , \$ 70.4591 @ , \$ 67.869 @ , \$ 11 @ , \$ 224.145 @ , \$ 212.029 @ , \$ 221.808 @ , \$ 209.049 @ , \$ 213.003 @ , \$ 229.974 @ , \$ 214.841 @ , \$ 213.207 @ , \$ 220.596 @ , \$ 216.34 @ , \$ 12 @ , \$ 195.137 @ , \$ 213.68 @ , \$ 202.443 @ , \$ 196.084 @ , \$ 225.537 @ , \$ 219.206 @ , \$ 209.324 @ , \$ 204.83 @ , \$ 204.739 @ , \$ 202.647 @ , \$ 13 @ , \$ 257.435 @ , \$ 254.524 @ , \$ 254.014 @ , \$ 251.604 @ , \$ 252.376 @ , \$ 277.805 @ , \$ 253.214 @ , \$ 256.896 @ , \$ 246.263 @ , \$ 241.521 @ , \$ 14 @ , \$ 134.673 @ , \$ 149.946 @ , \$ 154.428 @ , \$ 140.251 @ , \$ 138.037 @ , \$ 149.489 @ , \$ 130.598 @ , \$ 151.565 @ , \$ 146.58 @ , \$ 135.356 @ , \$ 15 @ , \$ 303.484 @ , \$ 305.442 @ , \$ 306.717 @ , \$ 302.435 @ , \$ 295.841 @ , \$ 315.002 @ , \$ 294.146 @ , \$ 297.888 @ , \$ 302.508 @ , \$ 299.206 @ , \$

EE18B147

Alpha = 0.0791031

post anova t-test pairs after sorting the sample means in descending order

1,6

11,14

1 @ , \$ 35.1 @ , \$ 38.5048 @ , \$ 34.0611 @ , \$ 46.4731 @ , \$ 56.8924 @ , \$ 32.4778 @ , \$ 43.4259 @ , \$ 33.2181 @ , \$ 47.2504 @ , \$ 35.2482 @ , \$ 2 @ , \$ 64.5403 @ , \$ 63.7237 @ , \$ 50.0283 @ , \$ 67.2955 @ , \$ 51.9741 @ , \$ 47.4524 @ , \$ 63.7104 @ , \$ 67.4055 @ , \$ 61.5932 @ , \$ 67.955 @ , \$ 3 @ , \$ 230.108 @ , \$ 237.821 @ , \$ 235.254 @ , \$ 234.493 @ , \$ 234.492 @ , \$ 236.052 @ , \$ 222.911 @ , \$ 227.303 @ , \$ 227.929 @ , \$ 232.959 @ , \$ 4 @ , \$ 119.166 @ , \$ 123.519 @ , \$ 123.436 @ , \$ 102.413 @ , \$ 124.83 @ , \$ 124.893 @ , \$ 135.308 @ , \$ 110.728 @ , \$ 125.645 @ , \$ 111.152 @ , \$ 5 @ , \$ 114.112 @ , \$ 118.076 @ , \$ 127.148 @ , \$ 127.511 @ , \$ 118.381 @ , \$ 130.573 @ , \$ 120.22 @ , \$ 118.998 @ , \$ 116.703 @ , \$ 120.379 @ , \$ 6 @ , \$ 289.817 @ , \$ 286.7 @ , \$ 294.195 @ , \$ 312.462 @ , \$ 308.826 @ , \$ 315.162 @ , \$ 309.889 @ , \$ 311.636 @ , \$ 318.43 @ , \$ 293.93 @ , \$ 7 @ , \$ 247.392 @ , \$ 252.105 @ , \$ 253.556 @ , \$ 247.746 @ , \$ 248.5 @ , \$ 269.73 @ , \$ 249.844 @ , \$ 252.412 @ , \$ 246.744 @ , \$ 252.338 @ , \$ 8 @ , \$ 160.278 @ , \$ 160.677 @ , \$ 157.469 @ , \$ 169.846 @ , \$ 154.938 @ , \$ 147.973 @ , \$ 144.709 @ , \$ 152.15 @ , \$ 147.818 @ , \$ 158.744 @ , \$ 9 @ , \$ 185.532 @ , \$ 173.763 @ , \$ 201.142 @ , \$ 187.745 @ , \$ 196.223 @ , \$ 187.462 @ , \$ 192.509 @ , \$ 187.46 @ , \$ 184.155 @ , \$ 190.229 @ , \$ 10 @ , \$ 89.033 @ , \$ 86.4534 @ , \$ 103.889 @ , \$ 94.7343 @ , \$ 76.3183 @ , \$ 101.91 @ , \$ 82.0143 @ , \$ 84.8885 @ , \$ 92.2368 @ , \$ 94.0069 @ , \$ 11 @ , \$ 218.253 @ , \$ 208.678 @ , \$ 200.579 @ , \$ 212.269 @ , \$ 200.891 @ , \$ 227.159 @ , \$ 210.073 @ , \$ 205.215 @ , \$ 206.983 @ , \$ 203.696 @ , \$ 12 @ , \$ 4.68758 @ , \$ 8.31106 @ , \$ 12.7908 @ , \$ 20.3652 @ , \$ -0.9941 @ , \$ -7.78584 @ , \$ -1.58566 @ , \$ -8.58215 @ , \$ 10.6468 @ , \$ 9.66022 @ , \$ 13 @ , \$ 273.689 @ , \$ 287.456 @ , \$ 288.185 @ , \$ 286.581 @ , \$ 283.512 @ , \$ 286.091 @ , \$ 279.196 @ , \$ 295.343 @ , \$ 295.456 @ , \$ 283.574 @ , \$ 14 @ , \$ 216.973 @ , \$ 214.082 @ , \$ 218.717 @ , \$ 223.003 @ , \$ 219.752 @ , \$ 229.657 @ , \$ 219.049 @ , \$ 216.916 @ , \$ 217.748 @ , \$ 224.664 @ , \$ 15 @ , \$ 17.3955 @ , \$ 17.7851 @ , \$ 20.0333 @ , \$ 14.8876 @ , \$ 24.2267 @ , \$ 30.9948 @ , \$ 19.3724 @ , \$ 14.2347 @ , \$ 14.2506 @ , \$ 13.9481 @ , \$

EE18B148

Alpha = 0.0747854

post anova t-test pairs after sorting the sample means in descending order

3,6

11,14

1 @ , \$ 77.2833 @ , \$ 91.7121 @ , \$ 78.923 @ , \$ 79.596 @ , \$ 78.9908 @ , \$ 95.7027 @ , \$ 74.729 @ , \$ 77.2281 @ ,  
\$ 89.6987 @ , \$ 89.8032 @ , \$ 2 @ , \$ 100.115 @ , \$ 99.1884 @ , \$ 100.494 @ , \$ 95.2968 @ , \$ 101.029 @ , \$ 131.024 @ , \$ 100.986 @ , \$ 100.372  
@ , \$ 101.51 @ , \$ 97.7334 @ , \$ 3 @ , \$ 242.029 @ , \$ 245.958 @ , \$ 250.482 @ , \$ 246.545 @ , \$ 247.413 @ , \$ 254.951 @ , \$ 252.02 @ , \$ 246.833  
@ , \$ 252.545 @ , \$ 244.12 @ , \$ 4 @ , \$ 268.832 @ , \$ 264.871 @ , \$ 265.187 @ , \$ 264.324 @ , \$ 263.459 @ , \$ 266.908 @ , \$ 264.972 @ , \$ 263.868  
@ , \$ 258.678 @ , \$ 262.331 @ , \$ 5 @ , \$ 226.382 @ , \$ 227.997 @ , \$ 218.646 @ , \$ 222.923 @ , \$ 224.496 @ , \$ 228.595 @ , \$ 240.891 @ , \$ 247.429  
@ , \$ 231.812 @ , \$ 241.008 @ , \$ 6 @ , \$ 212.374 @ , \$ 206.506 @ , \$ 212.537 @ , \$ 212.132 @ , \$ 209.362 @ , \$ 205.333 @ , \$ 210.788 @ , \$ 212.691  
@ , \$ 208.197 @ , \$ 208.557 @ , \$ 7 @ , \$ 304.617 @ , \$ 302.197 @ , \$ 298.538 @ , \$ 299.955 @ , \$ 296.971 @ , \$ 306.637 @ , \$ 290.545 @ , \$ 277.837  
@ , \$ 298.482 @ , \$ 298.748 @ , \$ 8 @ , \$ 100.624 @ , \$ 103.516 @ , \$ 102.323 @ , \$ 98.8025 @ , \$ 107.614 @ , \$ 114.001 @ , \$ 109.241 @ , \$ 91.3338  
@ , \$ 99.5817 @ , \$ 98.4857 @ , \$ 9 @ , \$ 26.9709 @ , \$ 47.2133 @ , \$ 57.061 @ , \$ 42.235 @ , \$ 51.2491 @ , \$ 61.5512 @ , \$ 38.2915 @ , \$ 33.0518 @  
, \$ 49.9427 @ , \$ 38.9039 @ , \$ 10 @ , \$ 168.272 @ , \$ 179.472 @ , \$ 184.146 @ , \$ 172.134 @ , \$ 188.038 @ , \$ 183.238 @ , \$ 183.67 @ , \$ 164.302  
@ , \$ 169.049 @ , \$ 171.116 @ , \$ 11 @ , \$ 190.421 @ , \$ 173.83 @ , \$ 195.7 @ , \$ 187.993 @ , \$ 183.72 @ , \$ 200.712 @ , \$ 171.714 @ , \$ 189.573 @ ,  
\$ 179.363 @ , \$ 180.507 @ , \$ 12 @ , \$ 53.2241 @ , \$ 52.279 @ , \$ 51.9852 @ , \$ 50.2328 @ , \$ 53.1522 @ , \$ 68.8961 @ , \$ 51.0058 @ , \$ 47.4766  
@ , \$ 52.8908 @ , \$ 44.0646 @ , \$ 13 @ , \$ 209.013 @ , \$ 218.15 @ , \$ 202.556 @ , \$ 202.935 @ , \$ 203.693 @ , \$ 206.837 @ , \$ 217.991 @ , \$ 215.242  
@ , \$ 210.328 @ , \$ 209.655 @ , \$ 14 @ , \$ 87.2751 @ , \$ 89.2066 @ , \$ 124.849 @ , \$ 113.781 @ , \$ 110.6 @ , \$ 96.9536 @ , \$ 108.938 @ , \$ 92.5912  
@ , \$ 116.162 @ , \$ 109.427 @ , \$ 15 @ , \$ 125.862 @ , \$ 115.925 @ , \$ 117.635 @ , \$ 121.979 @ , \$ 106.251 @ , \$ 125.266 @ , \$ 110.998 @ , \$  
120.113 @ , \$ 82.9473 @ , \$ 100.761 @ , \$

EE19B002

Alpha = 0.0776857

post anova t-test pairs after sorting the sample means in descending order

1,8

12,15

1 @ , \$ 12.4647 @ , \$ 9.65545 @ , \$ 12.7314 @ , \$ 12.3161 @ , \$ 14.3306 @ , \$ 16.1205 @ , \$ 12.3605 @ , \$ 12.3482  
@ , \$ 12.9417 @ , \$ 10.9382 @ , \$ 2 @ , \$ 102.12 @ , \$ 103.706 @ , \$ 113.596 @ , \$ 91.9486 @ , \$ 90.7428 @ , \$ 100.926 @ , \$ 116.711 @ , \$ 105.981  
@ , \$ 100.874 @ , \$ 110.783 @ , \$ 3 @ , \$ 217.365 @ , \$ 200.85 @ , \$ 207.199 @ , \$ 214.826 @ , \$ 205.597 @ , \$ 216.127 @ , \$ 202.669 @ , \$ 206.455  
@ , \$ 233.3 @ , \$ 186.276 @ , \$ 4 @ , \$ 180.805 @ , \$ 180.645 @ , \$ 179.055 @ , \$ 190.95 @ , \$ 178.824 @ , \$ 212.041 @ , \$ 195.492 @ , \$ 192.615  
@ , \$ 205.6 @ , \$ 188.528 @ , \$ 5 @ , \$ 185.72 @ , \$ 175.652 @ , \$ 173.024 @ , \$ 169.199 @ , \$ 166.564 @ , \$ 172.679 @ , \$ 162.142 @ , \$ 172.76 @  
, \$ 182.172 @ , \$ 169.012 @ , \$ 6 @ , \$ 171.908 @ , \$ 172.725 @ , \$ 175.834 @ , \$ 170.692 @ , \$ 175.972 @ , \$ 182.891 @ , \$ 167.798 @ , \$ 169.31  
@ , \$ 175.045 @ , \$ 176.644 @ , \$ 7 @ , \$ 34.3281 @ , \$ 50.1385 @ , \$ 50.6394 @ , \$ 41.5635 @ , \$ 48.715 @ , \$ 66.5332 @ , \$ 53.6453 @ , \$ 33.6682  
@ , \$ 45.5946 @ , \$ 48.7326 @ , \$ 8 @ , \$ 193.242 @ , \$ 205.42 @ , \$ 202.534 @ , \$ 203.486 @ , \$ 210.883 @ , \$ 200.307 @ , \$ 209.551 @ , \$ 210.324

@, \$ 208.143 @, \$ 199.072 @, \$ 9 @, \$ 202.523 @, \$ 206.919 @, \$ 214.072 @, \$ 203.792 @, \$ 210.151 @, \$ 208.927 @, \$ 200.374 @, \$ 208.803 @, \$ 210.964 @, \$ 206.979 @, \$ 10 @, \$ 129.594 @, \$ 132.636 @, \$ 118.7 @, \$ 124.163 @, \$ 134.196 @, \$ 133.018 @, \$ 125.442 @, \$ 136.425 @, \$ 124.743 @, \$ 128.652 @, \$ 11 @, \$ 259.505 @, \$ 247.424 @, \$ 245.935 @, \$ 240.075 @, \$ 254.871 @, \$ 272.097 @, \$ 276.334 @, \$ 256.955 @, \$ 265.441 @, \$ 279.44 @, \$ 12 @, \$ 155.661 @, \$ 149.371 @, \$ 153.206 @, \$ 160.658 @, \$ 166.261 @, \$ 166.578 @, \$ 159.282 @, \$ 148.913 @, \$ 148.238 @, \$ 147.104 @, \$ 13 @, \$ 266.318 @, \$ 268.285 @, \$ 272.63 @, \$ 265.403 @, \$ 284.548 @, \$ 280.7 @, \$ 266.258 @, \$ 280.456 @, \$ 276.495 @, \$ 270.524 @, \$ 14 @, \$ 25.2426 @, \$ 42.0918 @, \$ 33.1273 @, \$ 35.2595 @, \$ 18.4785 @, \$ 57.1031 @, \$ 36.7374 @, \$ 36.5029 @, \$ 27.9012 @, \$ 43.3545 @, \$ 15 @, \$ 194.319 @, \$ 191.265 @, \$ 188.984 @, \$ 196.005 @, \$ 191.895 @, \$ 203.194 @, \$ 192.721 @, \$ 188.571 @, \$ 191.012 @, \$ 187.803 @, \$

EE19B012

Alpha = 0.0448189

post anova t-test pairs after sorting the sample means in descending order

2,5

12,14

1 @, \$ 218.615 @, \$ 225.445 @, \$ 230.562 @, \$ 221.594 @, \$ 212.166 @, \$ 238.074 @, \$ 220.401 @, \$ 227.853 @, \$ 212.899 @, \$ 228.965 @, \$ 2 @, \$ 171.31 @, \$ 181.204 @, \$ 169.58 @, \$ 173.826 @, \$ 175.442 @, \$ 181.32 @, \$ 180.924 @, \$ 170.011 @, \$ 176.494 @, \$ 171.463 @, \$ 3 @, \$ 175.655 @, \$ 182.215 @, \$ 187.112 @, \$ 196.945 @, \$ 188.165 @, \$ 169.627 @, \$ 182.966 @, \$ 179.671 @, \$ 188.306 @, \$ 179.07 @, \$ 4 @, \$ 277.473 @, \$ 282.03 @, \$ 296.966 @, \$ 283.46 @, \$ 283.82 @, \$ 305.247 @, \$ 271.116 @, \$ 289.344 @, \$ 289.671 @, \$ 289.763 @, \$ 5 @, \$ 160.327 @, \$ 171.974 @, \$ 165.284 @, \$ 167.59 @, \$ 167.272 @, \$ 192.789 @, \$ 162.623 @, \$ 171.873 @, \$ 171.932 @, \$ 168.031 @, \$ 6 @, \$ 230.297 @, \$ 214.141 @, \$ 226.307 @, \$ 203.073 @, \$ 236.494 @, \$ 226.55 @, \$ 216.409 @, \$ 210.007 @, \$ 233.345 @, \$ 228.879 @, \$ 7 @, \$ 293.364 @, \$ 295.212 @, \$ 298.036 @, \$ 298.843 @, \$ 296.421 @, \$ 304.184 @, \$ 296.785 @, \$ 297.935 @, \$ 296.102 @, \$ 298.184 @, \$ 8 @, \$ 162.191 @, \$ 164.901 @, \$ 161.3 @, \$ 158.646 @, \$ 163.811 @, \$ 164.147 @, \$ 158.64 @, \$ 161.797 @, \$ 158.953 @, \$ 158.521 @, \$ 9 @, \$ 183.806 @, \$ 183.567 @, \$ 192.115 @, \$ 179.648 @, \$ 196.997 @, \$ 203.7 @, \$ 186.727 @, \$ 191.187 @, \$ 181.895 @, \$ 185.951 @, \$ 10 @, \$ 245.09 @, \$ 243.59 @, \$ 239.305 @, \$ 246.149 @, \$ 245.41 @, \$ 251.827 @, \$ 238.945 @, \$ 254.29 @, \$ 246.867 @, \$ 246.412 @, \$ 11 @, \$ 296.931 @, \$ 297.559 @, \$ 302.848 @, \$ 292.855 @, \$ 288.211 @, \$ 311.552 @, \$ 291.588 @, \$ 304.543 @, \$ 299.402 @, \$ 288.109 @, \$ 12 @, \$ 79.3149 @, \$ 66.5574 @, \$ 66.6153 @, \$ 62.0562 @, \$ 73.4717 @, \$ 71.6653 @, \$ 75.4332 @, \$ 68.1632 @, \$ 69.659 @, \$ 67.02 @, \$ 13 @, \$ 28.8667 @, \$ 37.5574 @, \$ 31.1044 @, \$ 40.283 @, \$ 35.6058 @, \$ 38.1896 @, \$ 34.1083 @, \$ 34.813 @, \$ 34.5726 @, \$ 36.5017 @, \$ 14 @, \$ 261.407 @, \$ 269.441 @, \$ 249.344 @, \$ 254.495 @, \$ 258.439 @, \$ 263.783 @, \$ 251.794 @, \$ 264.619 @, \$ 273.921 @, \$ 252.17 @, \$ 15 @, \$ 218.607 @, \$ 220.5 @, \$ 238.535 @, \$ 229.113 @, \$ 222.165 @, \$ 221.266 @, \$ 215.232 @, \$ 219.051 @, \$ 226.059 @, \$ 223.694 @, \$

EE19B020

Alpha = 0.0115792

post anova t-test pairs after sorting the sample means in descending order

3,8

9,14

1 @ , \$ 44.9226 @ , \$ 39.443 @ , \$ 39.0814 @ , \$ 45.4209 @ , \$ 42.3392 @ , \$ 61.3205 @ , \$ 44.8662 @ , \$ 46.1656 @ , \$ 44.299 @ , \$ 41.2995 @ , \$ 2 @ , \$ 146.878 @ , \$ 153.407 @ , \$ 152.655 @ , \$ 153.457 @ , \$ 148.094 @ , \$ 164.484 @ , \$ 153.038 @ , \$ 152.321 @ , \$ 145.437 @ , \$ 148.965 @ , \$ 3 @ , \$ 218.31 @ , \$ 219.57 @ , \$ 226.75 @ , \$ 219.74 @ , \$ 210.056 @ , \$ 226.39 @ , \$ 224.385 @ , \$ 230.598 @ , \$ 201.915 @ , \$ 236.202 @ , \$ 4 @ , \$ 134.66 @ , \$ 133.4 @ , \$ 130.983 @ , \$ 140.204 @ , \$ 128.169 @ , \$ 147.011 @ , \$ 123.315 @ , \$ 128.619 @ , \$ 133.876 @ , \$ 122.804 @ , \$ 5 @ , \$ 130.406 @ , \$ 139.714 @ , \$ 142.223 @ , \$ 144.967 @ , \$ 144.974 @ , \$ 160.014 @ , \$ 142.724 @ , \$ 144.021 @ , \$ 148.231 @ , \$ 138.373 @ , \$ 6 @ , \$ 274.459 @ , \$ 280.12 @ , \$ 281.501 @ , \$ 273.166 @ , \$ 277.761 @ , \$ 303.837 @ , \$ 280.882 @ , \$ 282.422 @ , \$ 278.078 @ , \$ 291.24 @ , \$ 7 @ , \$ 189.194 @ , \$ 174.168 @ , \$ 187.499 @ , \$ 183.375 @ , \$ 175.326 @ , \$ 194.517 @ , \$ 179.517 @ , \$ 179.33 @ , \$ 172.807 @ , \$ 178.081 @ , \$ 8 @ , \$ 147.425 @ , \$ 142.472 @ , \$ 146.411 @ , \$ 133.288 @ , \$ 149.465 @ , \$ 151.276 @ , \$ 143.405 @ , \$ 128.884 @ , \$ 136.55 @ , \$ 130.8 @ , \$ 9 @ , \$ 245.94 @ , \$ 254.242 @ , \$ 242.592 @ , \$ 251.653 @ , \$ 243.937 @ , \$ 248.573 @ , \$ 242.139 @ , \$ 250.207 @ , \$ 247.887 @ , \$ 242.889 @ , \$ 10 @ , \$ 206.129 @ , \$ 218.728 @ , \$ 214.816 @ , \$ 205.009 @ , \$ 213.197 @ , \$ 236.719 @ , \$ 206.858 @ , \$ 215.392 @ , \$ 210.501 @ , \$ 203.881 @ , \$ 11 @ , \$ 112.887 @ , \$ 95.062 @ , \$ 111.629 @ , \$ 117.307 @ , \$ 112.65 @ , \$ 142.202 @ , \$ 119.779 @ , \$ 108.528 @ , \$ 106.455 @ , \$ 115.425 @ , \$ 12 @ , \$ 198.892 @ , \$ 188.158 @ , \$ 195.036 @ , \$ 196.193 @ , \$ 194.095 @ , \$ 201.777 @ , \$ 193.084 @ , \$ 193.878 @ , \$ 187.027 @ , \$ 192.14 @ , \$ 13 @ , \$ 282.725 @ , \$ 270.991 @ , \$ 275.5 @ , \$ 268.787 @ , \$ 282.557 @ , \$ 303.177 @ , \$ 269.535 @ , \$ 277.875 @ , \$ 275.435 @ , \$ 279.151 @ , \$ 14 @ , \$ 147.585 @ , \$ 147.753 @ , \$ 132.775 @ , \$ 137.949 @ , \$ 137.845 @ , \$ 150.015 @ , \$ 134.506 @ , \$ 145.292 @ , \$ 149.654 @ , \$ 149.345 @ , \$ 15 @ , \$ 243.291 @ , \$ 243.246 @ , \$ 249.205 @ , \$ 245.521 @ , \$ 248.68 @ , \$ 264.427 @ , \$ 242.957 @ , \$ 239.392 @ , \$ 249.92 @ , \$ 236.291 @ , \$

EE19B023

Alpha = 0.0178228

post anova t-test pairs after sorting the sample means in descending order

3,4

10,13

1 @ , \$ 158.578 @ , \$ 165.902 @ , \$ 148.239 @ , \$ 158.087 @ , \$ 160.072 @ , \$ 172.868 @ , \$ 152.93 @ , \$ 168.037 @ , \$ 159.592 @ , \$ 148.725 @ , \$ 2 @ , \$ 102.769 @ , \$ 110.996 @ , \$ 101.342 @ , \$ 111.445 @ , \$ 98.4739 @ , \$ 133.219 @ , \$ 118.607 @ , \$ 107.796 @ , \$ 113.44 @ , \$ 102.456 @ , \$ 3 @ , \$ 148.498 @ , \$ 179.243 @ , \$ 156.229 @ , \$ 162.073 @ , \$ 156.056 @ , \$ 194.956 @ , \$ 145.045 @ , \$ 146.246 @ , \$ 162.461 @ , \$ 161.031 @ , \$ 4 @ , \$ 88.0005 @ , \$ 80.905 @ , \$ 83.5676 @ , \$ 96.2969 @ , \$ 72.0502 @ , \$ 87.8438 @ , \$ 96.2602 @ , \$ 93.9335 @ , \$ 99.3595 @ , \$ 80.3285 @ , \$ 5 @ , \$ 81.2619 @ , \$ 89.8077 @ , \$ 90.6038 @ , \$ 95.8603 @ , \$ 102.503 @ , \$ 76.7236 @ , \$ 82.7732 @ , \$ 94.5629 @ , \$ 84.8266 @ , \$ 91.8869 @ , \$ 6 @ , \$ 17.5673 @ , \$ 5.37623 @ , \$ 0.321443 @ , \$ 1.45519 @ , \$ 6.5791 @ , \$ 21.1092 @ , \$ 8.19741 @ , \$ 5.94879 @ , \$ 7.36499 @ , \$ 12.1352 @ , \$

7 @ , \$ 108.049 @ , \$ 107.962 @ , \$ 92.8951 @ , \$ 111.727 @ , \$ 125.933 @ , \$ 121.673 @ , \$ 104.174 @ , \$ 106.919 @ , \$ 113.806 @ , \$ 89.0771 @ , \$ 8 @ , \$ 31.5881 @ , \$ 35.6747 @ , \$ 29.7217 @ , \$ 31.3546 @ , \$ 34.4548 @ , \$ 46.8693 @ , \$ 35.4366 @ , \$ 25.4074 @ , \$ 25.6966 @ , \$ 34.8943 @ , \$ 9 @ , \$ 52.0459 @ , \$ 55.786 @ , \$ 65.1157 @ , \$ 63.8849 @ , \$ 66.4735 @ , \$ 70.9526 @ , \$ 62.6693 @ , \$ 50.6922 @ , \$ 55.1934 @ , \$ 78.9697 @ , \$ 10 @ , \$ 81.4459 @ , \$ 68.9842 @ , \$ 61.6441 @ , \$ 64.8091 @ , \$ 74.9599 @ , \$ 83.9956 @ , \$ 82.4402 @ , \$ 73.345 @ , \$ 71.7504 @ , \$ 67.7495 @ , \$ 11 @ , \$ 198.818 @ , \$ 195.092 @ , \$ 198.535 @ , \$ 202.168 @ , \$ 193.746 @ , \$ 232.11 @ , \$ 181.508 @ , \$ 207.791 @ , \$ 189.946 @ , \$ 172.439 @ , \$ 12 @ , \$ 37.7293 @ , \$ 34.0469 @ , \$ 44.2381 @ , \$ 36.308 @ , \$ 35.952 @ , \$ 54.9733 @ , \$ 41.9142 @ , \$ 46.0482 @ , \$ 41.7847 @ , \$ 36.3146 @ , \$ 13 @ , \$ 269.349 @ , \$ 265.176 @ , \$ 263.913 @ , \$ 266.808 @ , \$ 260.376 @ , \$ 273.161 @ , \$ 264.47 @ , \$ 270.43 @ , \$ 274.239 @ , \$ 276.252 @ , \$ 14 @ , \$ 18.4493 @ , \$ 11.608 @ , \$ 23.1 @ , \$ 18.7228 @ , \$ 19.9425 @ , \$ 22.8063 @ , \$ 17.6396 @ , \$ 21.146 @ , \$ 24.4669 @ , \$ 26.41 @ , \$ 15 @ , \$ 243.584 @ , \$ 224.396 @ , \$ 233.145 @ , \$ 231.307 @ , \$ 250.033 @ , \$ 257.213 @ , \$ 247.348 @ , \$ 234.006 @ , \$ 239.27 @ , \$ 242.507 @ , \$

EE19B031

Alpha = 0.0756019

post anova t-test pairs after sorting the sample means in descending order

2,6

12,15

1 @ , \$ 120.868 @ , \$ 124.699 @ , \$ 120.127 @ , \$ 123.688 @ , \$ 119.636 @ , \$ 136.7 @ , \$ 128.017 @ , \$ 116.634 @ , \$ 131.366 @ , \$ 116.628 @ , \$ 2 @ , \$ 86.7463 @ , \$ 72.7334 @ , \$ 82.6861 @ , \$ 79.1819 @ , \$ 71.4694 @ , \$ 87.8856 @ , \$ 69.488 @ , \$ 78.9962 @ , \$ 80.6224 @ , \$ 74.5689 @ , \$ 3 @ , \$ 150.569 @ , \$ 142.609 @ , \$ 149.629 @ , \$ 145.197 @ , \$ 166.34 @ , \$ 174.34 @ , \$ 161.85 @ , \$ 161.295 @ , \$ 156.596 @ , \$ 152.659 @ , \$ 4 @ , \$ 193.358 @ , \$ 198.339 @ , \$ 183.953 @ , \$ 190.47 @ , \$ 193.068 @ , \$ 195.958 @ , \$ 184.868 @ , \$ 187.186 @ , \$ 190.159 @ , \$ 174.754 @ , \$ 5 @ , \$ 291.85 @ , \$ 283.813 @ , \$ 290.06 @ , \$ 294.979 @ , \$ 272.561 @ , \$ 284.631 @ , \$ 277.946 @ , \$ 272.546 @ , \$ 274.329 @ , \$ 287.277 @ , \$ 6 @ , \$ 251.394 @ , \$ 252.206 @ , \$ 258.817 @ , \$ 251.509 @ , \$ 246.535 @ , \$ 273.677 @ , \$ 247.29 @ , \$ 251.492 @ , \$ 253.631 @ , \$ 245.706 @ , \$ 7 @ , \$ 97.0351 @ , \$ 88.2056 @ , \$ 80.6097 @ , \$ 90.635 @ , \$ 81.2857 @ , \$ 106.301 @ , \$ 81.0159 @ , \$ 94.6312 @ , \$ 84.1644 @ , \$ 84.602 @ , \$ 8 @ , \$ 280.485 @ , \$ 288.54 @ , \$ 285.28 @ , \$ 274.098 @ , \$ 283.366 @ , \$ 275.627 @ , \$ 283.115 @ , \$ 280.685 @ , \$ 284.205 @ , \$ 282.696 @ , \$ 9 @ , \$ 104.415 @ , \$ 109.016 @ , \$ 102.805 @ , \$ 98.2801 @ , \$ 97.687 @ , \$ 123.07 @ , \$ 104.967 @ , \$ 101.125 @ , \$ 93.9149 @ , \$ 107.242 @ , \$ 10 @ , \$ 104.665 @ , \$ 92.1721 @ , \$ 101.161 @ , \$ 95.9418 @ , \$ 100.526 @ , \$ 120.351 @ , \$ 99.8255 @ , \$ 91.1443 @ , \$ 101.926 @ , \$ 105.243 @ , \$ 11 @ , \$ 70.73 @ , \$ 69.5085 @ , \$ 69.6356 @ , \$ 65.4429 @ , \$ 66.0729 @ , \$ 68.5942 @ , \$ 78.4492 @ , \$ 66.5804 @ , \$ 70.6144 @ , \$ 64.6406 @ , \$ 12 @ , \$ 66.6079 @ , \$ 60.6283 @ , \$ 58.4063 @ , \$ 66.3741 @ , \$ 46.9959 @ , \$ 70.1858 @ , \$ 67.2949 @ , \$ 64.5698 @ , \$ 79.8779 @ , \$ 72.5746 @ , \$ 13 @ , \$ 29.4169 @ , \$ 24.4476 @ , \$ 32.0127 @ , \$ 25.3331 @ , \$ 19.7639 @ , \$ 36.5232 @ , \$ 32.0766 @ , \$ 24.6221 @ , \$ 23.9868 @ , \$ 26.332 @ , \$ 14 @ , \$ 277.998 @ , \$ 274.857 @ , \$ 275.393 @ , \$ 278.904 @ , \$ 277.918 @ , \$ 267.989 @ , \$ 275.17 @ , \$ 278.391 @ , \$ 276.389 @ , \$ 276.448 @ , \$ 15 @ , \$ 153.783 @ , \$ 168.519 @ , \$ 151.84 @ , \$ 150.56 @ , \$ 161.113 @ , \$ 179.82 @ , \$ 156.378 @ , \$ 145.455 @

, \$ 156.096 @ , \$ 160.131 @ , \$

EE19B051

Alpha = 0.0690564

post anova t-test pairs after sorting the sample means in descending order

1,7

9,14

1 @ , \$ 161.446 @ , \$ 160.412 @ , \$ 158.986 @ , \$ 149.416 @ , \$ 142.559 @ , \$ 171.082 @ , \$ 162.999 @ , \$ 155.492 @ , \$ 163.221 @ , \$ 159.9 @ , \$  
2 @ , \$ 31.7948 @ , \$ 37.5565 @ , \$ 49.0915 @ , \$ 34.8863 @ , \$ 35.7257 @ , \$ 47.568 @ , \$ 39.7897 @ , \$ 35.4131 @ , \$ 30.3901 @ , \$ 9.5038 @ , \$  
3 @ , \$ 97.3811 @ , \$ 101.541 @ , \$ 103.686 @ , \$ 97.3612 @ , \$ 101.585 @ , \$ 107.882 @ , \$ 88.6565 @ , \$ 95.4625 @ , \$ 89.1845 @ , \$ 115.407 @ , \$  
4 @ , \$ 233.336 @ , \$ 241.934 @ , \$ 233.217 @ , \$ 228.672 @ , \$ 229.832 @ , \$ 245.252 @ , \$ 246.324 @ , \$ 241.159 @ , \$ 234.964 @ , \$ 242.165 @ , \$  
5 @ , \$ 131.778 @ , \$ 151.315 @ , \$ 143.361 @ , \$ 142.357 @ , \$ 143.122 @ , \$ 143.328 @ , \$ 133.692 @ , \$ 139.094 @ , \$ 133.433 @ , \$ 133.668 @ , \$  
6 @ , \$ 193.812 @ , \$ 199.076 @ , \$ 202.825 @ , \$ 207.652 @ , \$ 204.254 @ , \$ 205.344 @ , \$ 222.916 @ , \$ 192.303 @ , \$ 211.935 @ , \$ 191.416 @ , \$  
7 @ , \$ 201.106 @ , \$ 196.334 @ , \$ 203.061 @ , \$ 203.473 @ , \$ 197.453 @ , \$ 214.296 @ , \$ 208.304 @ , \$ 193.03 @ , \$ 192.503 @ , \$ 210.843 @ , \$  
8 @ , \$ 84.556 @ , \$ 77.613 @ , \$ 82.7161 @ , \$ 77.8994 @ , \$ 77.2575 @ , \$ 75.2046 @ , \$ 65.5857 @ , \$ 77.2177 @ , \$ 90.8826 @ , \$ 88.0192 @ , \$  
9 @ , \$ 177.633 @ , \$ 190.536 @ , \$ 174.74 @ , \$ 167.115 @ , \$ 185.73 @ , \$ 170.079 @ , \$ 193.483 @ , \$ 176.52 @ , \$ 193.189 @ , \$ 188.923 @ , \$  
10 @ , \$ 128.525 @ , \$ 109.284 @ , \$ 122.079 @ , \$ 114.769 @ , \$ 112.368 @ , \$ 137.687 @ , \$ 116.316 @ , \$ 132.732 @ , \$ 113.771 @ , \$ 125.621 @ , \$  
11 @ , \$ 51.1823 @ , \$ 64.477 @ , \$ 63.5481 @ , \$ 59.7386 @ , \$ 60.0457 @ , \$ 66.6125 @ , \$ 64.3171 @ , \$ 50.9151 @ , \$ 49.6124 @ , \$ 74.8819 @ , \$  
12 @ , \$ 113.4 @ , \$ 112.407 @ , \$ 117.681 @ , \$ 119.048 @ , \$ 107.093 @ , \$ 131.353 @ , \$ 110.175 @ , \$ 107.289 @ , \$ 116.214 @ , \$ 118.462 @ , \$  
13 @ , \$ 254.08 @ , \$ 257.989 @ , \$ 257.541 @ , \$ 246.932 @ , \$ 256.444 @ , \$ 281.784 @ , \$ 248.46 @ , \$ 245.237 @ , \$ 257.845 @ , \$ 250.66 @ , \$  
14 @ , \$ 131.192 @ , \$ 122.497 @ , \$ 117.165 @ , \$ 124.113 @ , \$ 128.028 @ , \$ 136.88 @ , \$ 122.877 @ , \$ 129.016 @ , \$ 136.094 @ , \$ 123.908 @ , \$  
15 @ , \$ 114.78 @ , \$ 114.044 @ , \$ 117.584 @ , \$ 108.134 @ , \$ 124.744 @ , \$ 122.536 @ , \$ 124.278 @ , \$ 114.843 @ , \$ 126.435 @ , \$ 127.817 @ , \$

EE19B054

Alpha = 0.0963789

post anova t-test pairs after sorting the sample means in descending order

3,4

12,13

1 @ , \$ 102.324 @ , \$ 100.005 @ , \$ 102.252 @ , \$ 109.038 @ , \$ 119.247 @ , \$ 107.933 @ , \$ 99.5706 @ , \$ 125.587 @ , \$ 99.1101 @ , \$ 96.0073 @ , \$  
2 @ , \$ 203.205 @ , \$ 207.669 @ , \$ 206.996 @ , \$ 202.674 @ , \$ 212.268 @ , \$ 222.284 @ , \$ 217.14 @ , \$ 208.475 @ , \$ 219.322 @ , \$ 214.488 @ , \$  
3 @ , \$ 281.057 @ , \$ 288.785 @ , \$ 282.368 @ , \$ 271.31 @ , \$ 280.065 @ , \$ 291.237 @ , \$ 275.126 @ , \$ 287.577 @ , \$ 282.278 @ , \$ 278.064 @ , \$  
4 @ , \$ 30.4033 @ , \$ 17.5833 @ , \$ 33.7638 @ , \$ 24.2909 @ , \$ 37.0919 @ , \$ 47.5783 @ , \$ 24.5502 @ , \$ 25.9406 @ , \$ 20.0889 @ , \$ 33.1109 @ , \$  
5 @ , \$ 192.736 @ , \$ 196.489 @ , \$ 207.688 @ , \$ 202.011 @ , \$ 211.729 @ , \$ 183.816 @ , \$ 215.27 @ , \$ 204.962

@ , \$ 208.262 @ , \$ 208.248 @ , \$  
6 @ , \$ 75.8774 @ , \$ 84.9277 @ , \$ 77.5147 @ , \$ 67.5136 @ , \$ 72.1163 @ , \$ 80.0151 @ , \$ 81.1798 @ , \$ 76.8602  
@ , \$ 82.4374 @ , \$ 83.9969 @ , \$  
7 @ , \$ 203.806 @ , \$ 197.02 @ , \$ 196.25 @ , \$ 197.727 @ , \$ 195.008 @ , \$ 205.311 @ , \$ 186.893 @ , \$ 202.657 @  
\$ 191.249 @ , \$ 199.447 @ , \$  
8 @ , \$ 213.416 @ , \$ 228.043 @ , \$ 220.995 @ , \$ 207.646 @ , \$ 220.781 @ , \$ 242.66 @ , \$ 186.639 @ , \$ 223.984  
@ , \$ 218.716 @ , \$ 209.602 @ , \$  
9 @ , \$ 190.571 @ , \$ 189.517 @ , \$ 197.407 @ , \$ 196.906 @ , \$ 192.344 @ , \$ 199.61 @ , \$ 209.729 @ , \$ 201.251  
@ , \$ 197.071 @ , \$ 199.17 @ , \$  
10 @ , \$ 95.5063 @ , \$ 90.3298 @ , \$ 89.2525 @ , \$ 80.4836 @ , \$ 86.0252 @ , \$ 94.0049 @ , \$ 92.2058 @ , \$  
93.6276 @ , \$ 86.2389 @ , \$ 83.3694 @ , \$  
11 @ , \$ 307.522 @ , \$ 304.085 @ , \$ 296.063 @ , \$ 295.072 @ , \$ 298.807 @ , \$ 300.806 @ , \$ 294.375 @ , \$  
303.294 @ , \$ 299.566 @ , \$ 286.109 @ , \$  
12 @ , \$ 79.6674 @ , \$ 71.4935 @ , \$ 68.0386 @ , \$ 90.2015 @ , \$ 81.3953 @ , \$ 95.5653 @ , \$ 74.023 @ , \$ 78.9562  
@ , \$ 62.1546 @ , \$ 66.5117 @ , \$  
13 @ , \$ 165.672 @ , \$ 162.482 @ , \$ 153.059 @ , \$ 162.575 @ , \$ 164.949 @ , \$ 178.556 @ , \$ 163.886 @ , \$  
172.346 @ , \$ 161.909 @ , \$ 175.772 @ , \$  
14 @ , \$ 93.7276 @ , \$ 97.2611 @ , \$ 109.613 @ , \$ 116.662 @ , \$ 105.137 @ , \$ 108.813 @ , \$ 99.0395 @ , \$  
112.831 @ , \$ 104.807 @ , \$ 109.119 @ , \$  
15 @ , \$ 148.238 @ , \$ 144.061 @ , \$ 141.137 @ , \$ 138.54 @ , \$ 137.721 @ , \$ 156.632 @ , \$ 147.737 @ , \$ 138.707  
@ , \$ 142.321 @ , \$ 148.684 @ , \$

EE19B056

Alpha = 0.0855945

post anova t-test pairs after sorting the sample means in descending order

1,6

12,14

1 @ , \$ 127.864 @ , \$ 129.418 @ , \$ 123.014 @ , \$ 126.138 @ , \$ 126.76 @ , \$ 126.908 @ , \$ 121.384 @ , \$ 119.955  
@ , \$ 126.545 @ , \$ 130.744 @ , \$  
2 @ , \$ 145.275 @ , \$ 148.756 @ , \$ 146.109 @ , \$ 150.069 @ , \$ 150.302 @ , \$ 179.708 @ , \$ 156.472 @ , \$ 148.663  
@ , \$ 155.921 @ , \$ 157.086 @ , \$  
3 @ , \$ 188.939 @ , \$ 193.059 @ , \$ 186.462 @ , \$ 184.108 @ , \$ 180.751 @ , \$ 190.238 @ , \$ 195.409 @ , \$ 199.32  
@ , \$ 183.792 @ , \$ 175.805 @ , \$  
4 @ , \$ 26.0691 @ , \$ 29.385 @ , \$ 19.97 @ , \$ 15.0937 @ , \$ 34.3378 @ , \$ 27.5132 @ , \$ 29.3343 @ , \$ 35.4596 @ ,  
\$ 8.51865 @ , \$ 38.6082 @ , \$  
5 @ , \$ 232.251 @ , \$ 224.829 @ , \$ 234.101 @ , \$ 229.409 @ , \$ 235.351 @ , \$ 242.386 @ , \$ 229.906 @ , \$ 228.616  
@ , \$ 235.056 @ , \$ 234.548 @ , \$  
6 @ , \$ 299.548 @ , \$ 280.482 @ , \$ 293.732 @ , \$ 287.779 @ , \$ 284.339 @ , \$ 318.195 @ , \$ 305.06 @ , \$ 287.641  
@ , \$ 268.303 @ , \$ 277.099 @ , \$  
7 @ , \$ 287.576 @ , \$ 283.916 @ , \$ 291.867 @ , \$ 288.588 @ , \$ 282.326 @ , \$ 290.705 @ , \$ 290.421 @ , \$ 285.937  
@ , \$ 294.184 @ , \$ 290.713 @ , \$  
8 @ , \$ 180.581 @ , \$ 182.284 @ , \$ 187.967 @ , \$ 181.487 @ , \$ 184.647 @ , \$ 182.412 @ , \$ 185.796 @ , \$ 186.511  
@ , \$ 186.905 @ , \$ 180.863 @ , \$  
9 @ , \$ 35.0252 @ , \$ 31.285 @ , \$ 42.8142 @ , \$ 19.9136 @ , \$ 42.1168 @ , \$ 42.8601 @ , \$ 35.6727 @ , \$ 38.6332  
@ , \$ 32.5976 @ , \$ 40.2933 @ , \$  
10 @ , \$ 290.444 @ , \$ 294.183 @ , \$ 283.044 @ , \$ 296.96 @ , \$ 298.906 @ , \$ 299.984 @ , \$ 290.039 @ , \$ 292.837  
@ , \$ 288.203 @ , \$ 285.476 @ , \$  
11 @ , \$ 251.679 @ , \$ 259.675 @ , \$ 256.214 @ , \$ 257.486 @ , \$ 259.127 @ , \$ 265.707 @ , \$ 263.237 @ , \$  
248.264 @ , \$ 265.335 @ , \$ 258.408 @ , \$  
12 @ , \$ 168.302 @ , \$ 185.342 @ , \$ 160.592 @ , \$ 172.102 @ , \$ 160.055 @ , \$ 157.229 @ , \$ 152.943 @ , \$  
174.952 @ , \$ 175.617 @ , \$ 176.937 @ , \$  
13 @ , \$ 214.83 @ , \$ 206.277 @ , \$ 202.938 @ , \$ 200.962 @ , \$ 198.753 @ , \$ 214.783 @ , \$ 188.459 @ , \$ 207.165  
@ , \$ 204.474 @ , \$ 207.43 @ , \$

14 @ , \$ 111.197 @ , \$ 105.162 @ , \$ 124.071 @ , \$ 118.697 @ , \$ 122.707 @ , \$ 132.124 @ , \$ 121.438 @ , \$ 116.585 @ , \$ 116.377 @ , \$ 116.553 @ , \$ 15 @ , \$ 85.7632 @ , \$ 90.751 @ , \$ 89.217 @ , \$ 80.7834 @ , \$ 79.254 @ , \$ 105.904 @ , \$ 83.8999 @ , \$ 89.0989 @ , \$ 104.485 @ , \$ 93.6799 @ , \$

EE19B067

Alpha = 0.0294312

post anova t-test pairs after sorting the sample means in descending order

3,8

12,13

1 @ , \$ 34.4248 @ , \$ 27.5525 @ , \$ 31.8299 @ , \$ 29.0588 @ , \$ 28.3179 @ , \$ 34.2995 @ , \$ 21.9857 @ , \$ 29.4622 @ , \$ 30.6153 @ , \$ 29.4972 @ , \$ 2 @ , \$ 253.307 @ , \$ 244.654 @ , \$ 234.608 @ , \$ 251.884 @ , \$ 244.188 @ , \$ 270.457 @ , \$ 236.963 @ , \$ 245.29 @ , \$ 241.903 @ , \$ 253.796 @ , \$ 3 @ , \$ 128.684 @ , \$ 116.967 @ , \$ 124.251 @ , \$ 133.734 @ , \$ 124.073 @ , \$ 140.163 @ , \$ 124.548 @ , \$ 140.801 @ , \$ 131.241 @ , \$ 128.747 @ , \$ 4 @ , \$ 27.1202 @ , \$ 20.9354 @ , \$ 28.7267 @ , \$ 4.12337 @ , \$ 16.391 @ , \$ 17.2988 @ , \$ 22.679 @ , \$ 28.4568 @ , \$ 25.1068 @ , \$ 25.2089 @ , \$ 5 @ , \$ 217.343 @ , \$ 223.877 @ , \$ 213.459 @ , \$ 216.081 @ , \$ 214.306 @ , \$ 249.052 @ , \$ 223.414 @ , \$ 213.302 @ , \$ 220.474 @ , \$ 222.923 @ , \$ 6 @ , \$ 76.8946 @ , \$ 75.9909 @ , \$ 78.2087 @ , \$ 75.2423 @ , \$ 80.7893 @ , \$ 86.2784 @ , \$ 82.7299 @ , \$ 75.3208 @ , \$ 78.1267 @ , \$ 80.1772 @ , \$ 7 @ , \$ 113.781 @ , \$ 110.001 @ , \$ 104.005 @ , \$ 101.573 @ , \$ 101.714 @ , \$ 104.6 @ , \$ 121.584 @ , \$ 103.271 @ , \$ 108.258 @ , \$ 100.208 @ , \$ 8 @ , \$ 244.078 @ , \$ 220.571 @ , \$ 227.197 @ , \$ 239.104 @ , \$ 219.84 @ , \$ 233.874 @ , \$ 230.023 @ , \$ 230.72 @ , \$ 226.178 @ , \$ 232.039 @ , \$ 9 @ , \$ 75.7071 @ , \$ 93.5302 @ , \$ 82.1849 @ , \$ 90.3614 @ , \$ 79.6811 @ , \$ 91.5519 @ , \$ 82.9949 @ , \$ 71.0604 @ , \$ 66.7096 @ , \$ 79.5474 @ , \$ 10 @ , \$ 111.216 @ , \$ 123.814 @ , \$ 137.838 @ , \$ 128.786 @ , \$ 132.206 @ , \$ 141.546 @ , \$ 129.173 @ , \$ 138.459 @ , \$ 125.105 @ , \$ 128.515 @ , \$ 11 @ , \$ 98.4065 @ , \$ 88.0581 @ , \$ 95.1683 @ , \$ 95.925 @ , \$ 104.692 @ , \$ 94.6444 @ , \$ 95.6214 @ , \$ 94.6754 @ , \$ 99.6884 @ , \$ 92.8626 @ , \$ 12 @ , \$ 169.514 @ , \$ 177.248 @ , \$ 170.174 @ , \$ 167.356 @ , \$ 164.572 @ , \$ 175.74 @ , \$ 170.365 @ , \$ 189.334 @ , \$ 170.862 @ , \$ 172.866 @ , \$ 13 @ , \$ 76.5307 @ , \$ 66.9082 @ , \$ 72.507 @ , \$ 74.4514 @ , \$ 72.2005 @ , \$ 86.1244 @ , \$ 71.3672 @ , \$ 73.5276 @ , \$ 72.6167 @ , \$ 63.498 @ , \$ 14 @ , \$ 45.2802 @ , \$ 32.2082 @ , \$ 37.4274 @ , \$ 36.5991 @ , \$ 24.1997 @ , \$ 52.641 @ , \$ 27.6027 @ , \$ 36.6637 @ , \$ 30.4717 @ , \$ 27.2003 @ , \$ 15 @ , \$ 113.234 @ , \$ 112.307 @ , \$ 107.674 @ , \$ 97.5493 @ , \$ 106.418 @ , \$ 128.3 @ , \$ 111.71 @ , \$ 97.9098 @ , \$ 108.66 @ , \$ 117.637 @ , \$

EE19B074

Alpha = 0.0470072

post anova t-test pairs after sorting the sample means in descending order

1,5

10,13

1 @ , \$ 142.212 @ , \$ 143.877 @ , \$ 143.461 @ , \$ 147.735 @ , \$ 141.596 @ , \$ 136.02 @ , \$ 134.309 @ , \$ 139.916 @ , \$ 148.916 @ , \$ 135.75 @ , \$ 2 @ , \$ 276.678 @ , \$ 284.628 @ , \$ 266.618 @ , \$ 255.029 @ , \$ 271.103 @ , \$ 299.059 @ , \$ 285.299 @ , \$ 281.827 @ , \$ 281.991 @ , \$ 288.899 @ , \$ 3 @ , \$ 234.107 @ , \$ 238.749 @ , \$ 237.51 @ , \$ 240.182 @ , \$ 229.823 @ , \$ 252.331 @ , \$ 230.879 @ , \$ 234.573 @ , \$ 231.405 @ , \$ 239.31 @ , \$

4 @ , \$ 28.2693 @ , \$ 33.0853 @ , \$ 44.8857 @ , \$ 46.8928 @ , \$ 34.3964 @ , \$ 43.2607 @ , \$ 16.2637 @ , \$ 47.837  
@ , \$ 42.6546 @ , \$ 48.6932 @ , \$ 5 @ , \$ 79.5658 @ , \$ 78.9557 @ , \$ 87.1196 @ , \$ 83.0634 @ , \$ 74.659 @ , \$ 107.411 @ , \$ 86.2745 @ , \$ 84.6238  
@ , \$ 74.8733 @ , \$ 81.0871 @ , \$ 6 @ , \$ 236.528 @ , \$ 228.277 @ , \$ 250.934 @ , \$ 240.955 @ , \$ 239.539 @ , \$ 228.677 @ , \$ 239.088 @ , \$ 237.378  
@ , \$ 239.804 @ , \$ 238.828 @ , \$ 7 @ , \$ 145.776 @ , \$ 136.214 @ , \$ 147.802 @ , \$ 145.301 @ , \$ 145.674 @ , \$ 145.826 @ , \$ 150.384 @ , \$ 148.308  
@ , \$ 158.016 @ , \$ 145.891 @ , \$ 8 @ , \$ 175.408 @ , \$ 177.515 @ , \$ 192.859 @ , \$ 187.285 @ , \$ 188.556 @ , \$ 192.486 @ , \$ 179.636 @ , \$ 184.801  
@ , \$ 182.518 @ , \$ 193.654 @ , \$ 9 @ , \$ 252.126 @ , \$ 254.924 @ , \$ 253.186 @ , \$ 259.255 @ , \$ 252.252 @ , \$ 273.366 @ , \$ 256.24 @ , \$ 252.343  
@ , \$ 259.21 @ , \$ 256.095 @ , \$ 10 @ , \$ 9.81524 @ , \$ 8.4986 @ , \$ 1.46722 @ , \$ -0.672296 @ , \$ 12.0892 @ , \$ 18.8565 @ , \$ 16.7136 @ , \$  
5.76278 @ , \$ 16.3513 @ , \$ 8.16535 @ , \$ 11 @ , \$ 129.493 @ , \$ 121.369 @ , \$ 116.199 @ , \$ 126.403 @ , \$ 126.682 @ , \$ 128.757 @ , \$ 120.209 @ , \$  
128.531 @ , \$ 125.335 @ , \$ 121.301 @ , \$ 12 @ , \$ 234.584 @ , \$ 212.732 @ , \$ 227.586 @ , \$ 233.244 @ , \$ 230.853 @ , \$ 231.002 @ , \$ 208.391 @ , \$  
208.009 @ , \$ 220.514 @ , \$ 209.515 @ , \$ 13 @ , \$ 202.239 @ , \$ 184.928 @ , \$ 196.46 @ , \$ 200.307 @ , \$ 191.604 @ , \$ 195.059 @ , \$ 210.112 @ , \$ 200.222  
@ , \$ 188.909 @ , \$ 195.029 @ , \$ 14 @ , \$ 14.646 @ , \$ 23.0535 @ , \$ 31.9383 @ , \$ 15.9835 @ , \$ 21.5533 @ , \$ 27.9821 @ , \$ 21.9842 @ , \$ 32.3618  
@ , \$ 11.9445 @ , \$ 20.1614 @ , \$ 15 @ , \$ 243.171 @ , \$ 246.835 @ , \$ 235.782 @ , \$ 233.154 @ , \$ 244.036 @ , \$ 250.363 @ , \$ 261.294 @ , \$  
253.514 @ , \$ 233.101 @ , \$ 244.947 @ , \$

EE19B078

Alpha = 0.0958623

post anova t-test pairs after sorting the sample means in descending order

1,6

10,15

1 @ , \$ 207.829 @ , \$ 207.394 @ , \$ 208.336 @ , \$ 207.657 @ , \$ 208.37 @ , \$ 213.116 @ , \$ 207.458 @ , \$ 207.85 @  
,\$ 208.093 @ , \$ 207.658 @ , \$ 2 @ , \$ 225.293 @ , \$ 232.317 @ , \$ 217.743 @ , \$ 217.714 @ , \$ 221.526 @ , \$ 247.431 @ , \$ 235.661 @ , \$ 224.405  
@ , \$ 229.215 @ , \$ 229.088 @ , \$ 3 @ , \$ 177.793 @ , \$ 175.137 @ , \$ 176.012 @ , \$ 174.237 @ , \$ 172.399 @ , \$ 175.28 @ , \$ 176.579 @ , \$ 177.362  
@ , \$ 178.005 @ , \$ 182.222 @ , \$ 4 @ , \$ 212.105 @ , \$ 197.274 @ , \$ 189.673 @ , \$ 198.32 @ , \$ 196.992 @ , \$ 209.487 @ , \$ 200.733 @ , \$ 185.476  
@ , \$ 185.285 @ , \$ 204.624 @ , \$ 5 @ , \$ 118.466 @ , \$ 116.1 @ , \$ 114.918 @ , \$ 127.552 @ , \$ 120.951 @ , \$ 119.944 @ , \$ 126.692 @ , \$ 113.92 @ ,  
\$ 118.841 @ , \$ 120.452 @ , \$ 6 @ , \$ 78.9322 @ , \$ 80.1905 @ , \$ 81.8139 @ , \$ 76.3319 @ , \$ 82.9075 @ , \$ 89.1198 @ , \$ 82.5921 @ , \$ 85.5902  
@ , \$ 78.7329 @ , \$ 78.8372 @ , \$ 7 @ , \$ 117.784 @ , \$ 111.52 @ , \$ 113.697 @ , \$ 111.785 @ , \$ 113.162 @ , \$ 127.281 @ , \$ 101.823 @ , \$ 112.907  
@ , \$ 105.816 @ , \$ 109.706 @ , \$ 8 @ , \$ 262.164 @ , \$ 261.03 @ , \$ 268.584 @ , \$ 263.804 @ , \$ 250.192 @ , \$ 269.505 @ , \$ 252.496 @ , \$ 254.527  
@ , \$ 255.958 @ , \$ 251.465 @ , \$ 9 @ , \$ 5.99682 @ , \$ 18.79 @ , \$ 33.8908 @ , \$ 13.6955 @ , \$ 26.4311 @ , \$ 47.3954 @ , \$ 2.09076 @ , \$ 27.6258 @  
,\$ 18.9895 @ , \$ 21.963 @ , \$ 10 @ , \$ 51.1565 @ , \$ 53.6463 @ , \$ 49.9766 @ , \$ 51.3969 @ , \$ 50.0483 @ , \$ 56.567 @ , \$ 50.5542 @ , \$ 46.7411  
@ , \$ 49.5083 @ , \$ 52.1835 @ , \$ 11 @ , \$ 170.024 @ , \$ 175.645 @ , \$ 163.251 @ , \$ 170.155 @ , \$ 171.87 @ , \$ 179.035 @ , \$ 169.755 @ , \$ 167.372  
@ , \$ 169.774 @ , \$ 169.854 @ , \$ 12 @ , \$ 118.535 @ , \$ 114.76 @ , \$ 118.258 @ , \$ 128.953 @ , \$ 120.602 @ , \$ 145.782 @ , \$ 106.755 @ , \$ 113.572

@, \$ 131.899 @, \$ 124.051 @, \$  
13 @, \$ 171.409 @, \$ 171.292 @, \$ 166.744 @, \$ 171.996 @, \$ 157.087 @, \$ 173.04 @, \$ 172.628 @, \$ 177.939  
@, \$ 175.187 @, \$ 164.527 @, \$  
14 @, \$ 222.701 @, \$ 223.932 @, \$ 224.184 @, \$ 222.583 @, \$ 223.375 @, \$ 233.227 @, \$ 223.575 @, \$  
221.668 @, \$ 221.967 @, \$ 222.149 @, \$  
15 @, \$ 184.777 @, \$ 180.478 @, \$ 180.708 @, \$ 188.343 @, \$ 176.641 @, \$ 196.182 @, \$ 180.68 @, \$ 178.999  
@, \$ 186.709 @, \$ 182.545 @, \$

#### EE19B081

Alpha = 0.0286861

post anova t-test pairs after sorting the sample means in descending order

3,6

12,13

1 @, \$ 36.941 @, \$ 56.1968 @, \$ 63.1204 @, \$ 57.7473 @, \$ 63.6608 @, \$ 67.9305 @, \$ 55.5342 @, \$ 50.1932  
@, \$ 48.6441 @, \$ 42.1807 @, \$  
2 @, \$ 205.552 @, \$ 195.118 @, \$ 198.766 @, \$ 213.991 @, \$ 207.109 @, \$ 202.954 @, \$ 212.605 @, \$ 205.009  
@, \$ 205.4 @, \$ 214.845 @, \$  
3 @, \$ 179.379 @, \$ 175.914 @, \$ 168.594 @, \$ 152.931 @, \$ 182.357 @, \$ 187.106 @, \$ 194.097 @, \$ 178.172  
@, \$ 182.089 @, \$ 153.384 @, \$  
4 @, \$ 176.931 @, \$ 184.225 @, \$ 175.786 @, \$ 176.845 @, \$ 176.436 @, \$ 194.543 @, \$ 172.318 @, \$ 176.142  
@, \$ 178.575 @, \$ 184.102 @, \$  
5 @, \$ 253.377 @, \$ 248.809 @, \$ 252.938 @, \$ 260.047 @, \$ 245.389 @, \$ 264.532 @, \$ 245.856 @, \$ 247.353  
@, \$ 257.05 @, \$ 258.943 @, \$  
6 @, \$ 19.3406 @, \$ 24.003 @, \$ 6.28193 @, \$ 17.0984 @, \$ 13.2767 @, \$ 31.4493 @, \$ 17.4368 @, \$ 22.706 @  
, \$ 15.2129 @, \$ 13.4452 @, \$  
7 @, \$ 65.416 @, \$ 55.962 @, \$ 60.6165 @, \$ 70.9349 @, \$ 68.5803 @, \$ 80.2585 @, \$ 71.6149 @, \$ 81.0622 @  
, \$ 82.4548 @, \$ 62.2196 @, \$  
8 @, \$ 215.705 @, \$ 192.293 @, \$ 211.4 @, \$ 198.974 @, \$ 189.753 @, \$ 216.514 @, \$ 203.19 @, \$ 199.434 @,  
\$ 207.277 @, \$ 204.282 @, \$  
9 @, \$ 71.2608 @, \$ 72.3678 @, \$ 72.6186 @, \$ 68.6695 @, \$ 75.5411 @, \$ 103.845 @, \$ 73.1428 @, \$ 71.1604  
@, \$ 70.3304 @, \$ 68.5463 @, \$  
10 @, \$ 240.976 @, \$ 241.286 @, \$ 236.878 @, \$ 248.194 @, \$ 232.376 @, \$ 240.471 @, \$ 228.303 @, \$  
244.434 @, \$ 235.46 @, \$ 231.847 @, \$  
11 @, \$ 42.1241 @, \$ 41.5187 @, \$ 46.4192 @, \$ 31.1806 @, \$ 31.4786 @, \$ 39.4732 @, \$ 50.7448 @, \$  
45.3225 @, \$ 36.893 @, \$ 37.4705 @, \$  
12 @, \$ 182.235 @, \$ 184.591 @, \$ 182.223 @, \$ 181.144 @, \$ 187.536 @, \$ 187.631 @, \$ 185.928 @, \$  
180.218 @, \$ 182.791 @, \$ 180.456 @, \$  
13 @, \$ 112.69 @, \$ 106.146 @, \$ 94.2187 @, \$ 98.8251 @, \$ 105.17 @, \$ 109.794 @, \$ 112.863 @, \$ 117.216  
@, \$ 100.477 @, \$ 100.624 @, \$  
14 @, \$ 293.729 @, \$ 290.239 @, \$ 290.061 @, \$ 304.724 @, \$ 297.464 @, \$ 300.692 @, \$ 297.863 @, \$  
297.906 @, \$ 292.304 @, \$ 311.405 @, \$  
15 @, \$ 214.061 @, \$ 219.667 @, \$ 234.517 @, \$ 239.26 @, \$ 207.023 @, \$ 235.242 @, \$ 231.978 @, \$ 211.954  
@, \$ 222.823 @, \$ 221.19 @, \$

#### EE19B082

Alpha = 0.0711053

post anova t-test pairs after sorting the sample means in descending order

3,8

9,15

1 @, \$ 236.624 @, \$ 231.518 @, \$ 227.057 @, \$ 228.245 @, \$ 237.643 @, \$ 229.344 @, \$ 234.686 @, \$ 232.313  
@, \$ 233.067 @, \$ 225.927 @, \$  
2 @, \$ 193.64 @, \$ 198.338 @, \$ 191.652 @, \$ 204.711 @, \$ 195.124 @, \$ 191.533 @, \$ 193.459 @, \$ 196.191

@, \$ 199.747 @, \$ 195.978 @, \$  
3 @, \$ 227.658 @, \$ 219.387 @, \$ 225.951 @, \$ 240.825 @, \$ 220.427 @, \$ 256.127 @, \$ 233.079 @, \$ 227.475  
@, \$ 229.411 @, \$ 227.284 @, \$  
4 @, \$ 278.89 @, \$ 274.657 @, \$ 273.659 @, \$ 273.842 @, \$ 276.482 @, \$ 301.91 @, \$ 275.732 @, \$ 285.288 @,  
\$, \$ 289.604 @, \$ 280.122 @, \$  
5 @, \$ 189.306 @, \$ 196.206 @, \$ 217.788 @, \$ 168.152 @, \$ 199.062 @, \$ 222.482 @, \$ 212.539 @, \$ 209.896  
@, \$ 204.033 @, \$ 213.771 @, \$  
6 @, \$ 246.427 @, \$ 257.07 @, \$ 250.18 @, \$ 241.916 @, \$ 250.33 @, \$ 249.095 @, \$ 254.374 @, \$ 254.728 @,  
\$, \$ 249.308 @, \$ 255.132 @, \$  
7 @, \$ 260.702 @, \$ 255.139 @, \$ 256.991 @, \$ 268.563 @, \$ 260.635 @, \$ 282.105 @, \$ 258.829 @, \$ 275.29  
@, \$ 259.447 @, \$ 256.486 @, \$  
8 @, \$ 124.232 @, \$ 126.085 @, \$ 123.182 @, \$ 124.203 @, \$ 124.509 @, \$ 133.558 @, \$ 123.907 @, \$ 125.385  
@, \$ 123.61 @, \$ 124.387 @, \$  
9 @, \$ 197.831 @, \$ 201.642 @, \$ 200.435 @, \$ 207.432 @, \$ 209.599 @, \$ 228.101 @, \$ 208.579 @, \$ 190.456  
@, \$ 199.667 @, \$ 199.145 @, \$  
10 @, \$ 115.015 @, \$ 108.607 @, \$ 96.5182 @, \$ 96.8308 @, \$ 85.9715 @, \$ 108.118 @, \$ 94.7604 @, \$ 110.18  
@, \$ 93.3512 @, \$ 105.452 @, \$  
11 @, \$ 105.01 @, \$ 96.2779 @, \$ 101.429 @, \$ 101.475 @, \$ 99.394 @, \$ 116.556 @, \$ 112.401 @, \$ 100.364  
@, \$ 101.787 @, \$ 103.746 @, \$  
12 @, \$ 227.744 @, \$ 225.938 @, \$ 220.757 @, \$ 218.573 @, \$ 233.947 @, \$ 239.109 @, \$ 223.233 @, \$  
228.686 @, \$ 224.864 @, \$ 223.582 @, \$  
13 @, \$ 131.705 @, \$ 123.989 @, \$ 128.2 @, \$ 127.18 @, \$ 128.637 @, \$ 140.36 @, \$ 123.678 @, \$ 121.103 @,  
\$, \$ 127.279 @, \$ 123.933 @, \$  
14 @, \$ 88.5906 @, \$ 81.7038 @, \$ 85.873 @, \$ 75.2692 @, \$ 74.6299 @, \$ 114.633 @, \$ 97.7472 @, \$ 95.4788  
@, \$ 85.0988 @, \$ 81.3802 @, \$  
15 @, \$ 179.937 @, \$ 167.183 @, \$ 163.02 @, \$ 169.821 @, \$ 162.002 @, \$ 180.254 @, \$ 169.254 @, \$ 170.079  
@, \$ 146.463 @, \$ 168.666 @, \$

EE19B086

Alpha = 0.0918097

post anova t-test pairs after sorting the sample means in descending order

2,7

11,13

1 @, \$ 8.72046 @, \$ 2.13905 @, \$ -0.0811519 @, \$ -0.396268 @, \$ -3.52064 @, \$ 21.8865 @, \$ -13.5823 @, \$  
-9.64606 @, \$ -0.285722 @, \$ 4.91197 @, \$  
2 @, \$ 166.026 @, \$ 175.1 @, \$ 175.697 @, \$ 168.007 @, \$ 164.672 @, \$ 185.569 @, \$ 175.9 @, \$ 169.184 @, \$  
165.538 @, \$ 169.871 @, \$  
3 @, \$ 162.271 @, \$ 165.033 @, \$ 160.766 @, \$ 163.195 @, \$ 160.203 @, \$ 161.325 @, \$ 169.601 @, \$ 163.878  
@, \$ 158.264 @, \$ 157.881 @, \$  
4 @, \$ 134.575 @, \$ 135.311 @, \$ 130.697 @, \$ 135.782 @, \$ 141.076 @, \$ 152.185 @, \$ 143.186 @, \$ 136.757  
@, \$ 124.499 @, \$ 129.677 @, \$  
5 @, \$ 27.3316 @, \$ 23.696 @, \$ 30.4036 @, \$ 30.4869 @, \$ 28.7749 @, \$ 34.8703 @, \$ 19.4523 @, \$ 24.9283  
@, \$ 26.4001 @, \$ 28.997 @, \$  
6 @, \$ 96.7078 @, \$ 110.216 @, \$ 104.544 @, \$ 94.6936 @, \$ 106.681 @, \$ 105.217 @, \$ 100.495 @, \$ 116.629  
@, \$ 114.827 @, \$ 91.4926 @, \$  
7 @, \$ 188.397 @, \$ 201.637 @, \$ 183.744 @, \$ 193.485 @, \$ 178.08 @, \$ 226.106 @, \$ 204.096 @, \$ 188.107  
@, \$ 197.977 @, \$ 190.743 @, \$  
8 @, \$ 125.84 @, \$ 121.745 @, \$ 123.254 @, \$ 119.407 @, \$ 128.366 @, \$ 148.227 @, \$ 126.173 @, \$ 137.108  
@, \$ 135.663 @, \$ 125.76 @, \$  
9 @, \$ 20.4801 @, \$ 22.6198 @, \$ 18.7021 @, \$ 21.0786 @, \$ 18.5707 @, \$ 32.6869 @, \$ 19.9845 @, \$ 17.8827  
@, \$ 25.0929 @, \$ 28.4384 @, \$  
10 @, \$ 264.31 @, \$ 289.393 @, \$ 277.588 @, \$ 274.407 @, \$ 295.808 @, \$ 281.687 @, \$ 284.491 @, \$ 284.28  
@, \$ 285.379 @, \$ 290.177 @, \$

11 @ , \$ 184.308 @ , \$ 188.423 @ , \$ 200.117 @ , \$ 192.977 @ , \$ 194.502 @ , \$ 217.745 @ , \$ 198.622 @ , \$ 195.422 @ , \$ 208.491 @ , \$ 195.084 @ , \$ 12 @ , \$ 118.973 @ , \$ 127.92 @ , \$ 137.449 @ , \$ 112.085 @ , \$ 128.183 @ , \$ 133.401 @ , \$ 134.843 @ , \$ 125.374 @ , \$ 124.707 @ , \$ 123.98 @ , \$ 13 @ , \$ 32.5084 @ , \$ 34.9946 @ , \$ 40.7383 @ , \$ 48.8682 @ , \$ 28.6764 @ , \$ 43.9325 @ , \$ 39.9523 @ , \$ 31.2031 @ , \$ 32.3338 @ , \$ 34.805 @ , \$ 14 @ , \$ 216.054 @ , \$ 213.879 @ , \$ 212.888 @ , \$ 193.939 @ , \$ 216.556 @ , \$ 232.607 @ , \$ 209.497 @ , \$ 206.244 @ , \$ 213.12 @ , \$ 210.941 @ , \$ 15 @ , \$ 168.842 @ , \$ 173.451 @ , \$ 167.551 @ , \$ 174.211 @ , \$ 162.651 @ , \$ 170.025 @ , \$ 167.626 @ , \$ 164.361 @ , \$ 164.794 @ , \$ 169.082 @ , \$

EE19B102

Alpha = 0.0181855

post anova t-test pairs after sorting the sample means in descending order

2,6

12,15

1 @ , \$ 204.465 @ , \$ 200.389 @ , \$ 194.794 @ , \$ 199.54 @ , \$ 197.07 @ , \$ 231.571 @ , \$ 197.423 @ , \$ 199.417 @ , \$ 202.36 @ , \$ 201.758 @ , \$ 2 @ , \$ 159.409 @ , \$ 159.537 @ , \$ 159.048 @ , \$ 156.26 @ , \$ 154.653 @ , \$ 173.873 @ , \$ 155.979 @ , \$ 152.723 @ , \$ 159.392 @ , \$ 152.25 @ , \$ 3 @ , \$ 159.413 @ , \$ 157.994 @ , \$ 162.02 @ , \$ 161.198 @ , \$ 157.035 @ , \$ 156.586 @ , \$ 162.614 @ , \$ 147.769 @ , \$ 144.111 @ , \$ 161.958 @ , \$ 4 @ , \$ 280.233 @ , \$ 272.835 @ , \$ 280.437 @ , \$ 272.157 @ , \$ 263.363 @ , \$ 286.031 @ , \$ 285.159 @ , \$ 275.361 @ , \$ 275.828 @ , \$ 272.077 @ , \$ 5 @ , \$ 206.266 @ , \$ 207.481 @ , \$ 213.123 @ , \$ 200.666 @ , \$ 211.899 @ , \$ 211.611 @ , \$ 217.253 @ , \$ 216.065 @ , \$ 217.422 @ , \$ 202.174 @ , \$ 6 @ , \$ 285.686 @ , \$ 291.225 @ , \$ 264.684 @ , \$ 278.167 @ , \$ 290.763 @ , \$ 303.924 @ , \$ 265.919 @ , \$ 265.707 @ , \$ 276.899 @ , \$ 279.707 @ , \$ 7 @ , \$ 33.4105 @ , \$ 33.0355 @ , \$ 31.7111 @ , \$ 33.7859 @ , \$ 33.5198 @ , \$ 49.9731 @ , \$ 35.4646 @ , \$ 31.7997 @ , \$ 38.0418 @ , \$ 35.3258 @ , \$ 8 @ , \$ 272.507 @ , \$ 276.113 @ , \$ 272.733 @ , \$ 274.49 @ , \$ 275.755 @ , \$ 277.815 @ , \$ 274.638 @ , \$ 281.706 @ , \$ 271.476 @ , \$ 277.753 @ , \$ 9 @ , \$ 61.3215 @ , \$ 69.3578 @ , \$ 69.8002 @ , \$ 78.4218 @ , \$ 86.8546 @ , \$ 71.9393 @ , \$ 77.0949 @ , \$ 70.4222 @ , \$ 83.3315 @ , \$ 73.8815 @ , \$ 10 @ , \$ 241.817 @ , \$ 235.301 @ , \$ 229.339 @ , \$ 233.992 @ , \$ 237.747 @ , \$ 254.147 @ , \$ 230.555 @ , \$ 233.115 @ , \$ 236.62 @ , \$ 234.845 @ , \$ 11 @ , \$ 94.4392 @ , \$ 95.828 @ , \$ 93.3129 @ , \$ 98.0322 @ , \$ 91.2536 @ , \$ 105.549 @ , \$ 89.6646 @ , \$ 98.3179 @ , \$ 94.8525 @ , \$ 94.4876 @ , \$ 12 @ , \$ 283.164 @ , \$ 277.727 @ , \$ 279.652 @ , \$ 283.116 @ , \$ 275.423 @ , \$ 297.052 @ , \$ 279.173 @ , \$ 288.952 @ , \$ 277.933 @ , \$ 284.886 @ , \$ 13 @ , \$ 275.96 @ , \$ 289.048 @ , \$ 266.295 @ , \$ 282.914 @ , \$ 281.515 @ , \$ 274.402 @ , \$ 256.556 @ , \$ 273.483 @ , \$ 270.207 @ , \$ 283.238 @ , \$ 14 @ , \$ 191.097 @ , \$ 196.357 @ , \$ 192.764 @ , \$ 195.873 @ , \$ 203.812 @ , \$ 199.681 @ , \$ 198.906 @ , \$ 182.459 @ , \$ 192.172 @ , \$ 196.985 @ , \$ 15 @ , \$ 298.326 @ , \$ 266.368 @ , \$ 281.394 @ , \$ 276.353 @ , \$ 291.822 @ , \$ 276.09 @ , \$ 293.182 @ , \$ 277.464 @ , \$ 290.969 @ , \$ 273.265 @ , \$

EE19B112

Alpha = 0.0616592

post anova t-test pairs after sorting the sample means in descending order

2,7

12,13

1 @ , \$ 271.65 @ , \$ 265.309 @ , \$ 257.32 @ , \$ 264.236 @ , \$ 256.754 @ , \$ 279.656 @ , \$ 273.229 @ , \$ 270.581 @ , \$ 241.151 @ , \$ 271.96 @ , \$ 2 @ , \$ 290.93 @ , \$ 303.664 @ , \$ 293.851 @ , \$ 291.95 @ , \$ 288.302 @ , \$ 311.39 @ , \$ 297.171 @ , \$ 286.134 @ , \$ 289.279 @ , \$ 285.118 @ , \$ 3 @ , \$ 125.64 @ , \$ 126.113 @ , \$ 125.679 @ , \$ 125.757 @ , \$ 125.966 @ , \$ 122.328 @ , \$ 126.429 @ , \$ 125.42 @ , \$ 125.767 @ , \$ 125.88 @ , \$ 4 @ , \$ 288.291 @ , \$ 288.086 @ , \$ 295.591 @ , \$ 277.801 @ , \$ 278.182 @ , \$ 282.867 @ , \$ 290.786 @ , \$ 284.953 @ , \$ 278.06 @ , \$ 265.793 @ , \$ 5 @ , \$ 59.883 @ , \$ 56.7748 @ , \$ 55.4168 @ , \$ 46.0688 @ , \$ 56.163 @ , \$ 55.1501 @ , \$ 63.7356 @ , \$ 52.8193 @ , \$ 47.8022 @ , \$ 56.5669 @ , \$ 6 @ , \$ 262.132 @ , \$ 262.405 @ , \$ 259.79 @ , \$ 256.752 @ , \$ 258.701 @ , \$ 255.762 @ , \$ 259.614 @ , \$ 266.682 @ , \$ 278.219 @ , \$ 257.4 @ , \$ 7 @ , \$ 58.8745 @ , \$ 40.6479 @ , \$ 39.5849 @ , \$ 36.2717 @ , \$ 46.7397 @ , \$ 59.3426 @ , \$ 49.6566 @ , \$ 32.9011 @ , \$ 51.9637 @ , \$ 39.6276 @ , \$ 8 @ , \$ 26.9861 @ , \$ 18.8132 @ , \$ 5.39782 @ , \$ 20.6606 @ , \$ 22.1853 @ , \$ 40.369 @ , \$ 34.8527 @ , \$ 23.963 @ , \$ 27.5915 @ , \$ 21.7844 @ , \$ 9 @ , \$ 12.0309 @ , \$ 33.1018 @ , \$ 21.1422 @ , \$ 23.7372 @ , \$ 49.2346 @ , \$ 39.9397 @ , \$ 26.5497 @ , \$ 24.546 @ , \$ 23.215 @ , \$ 25.3592 @ , \$ 10 @ , \$ 138.774 @ , \$ 148.695 @ , \$ 146.572 @ , \$ 153.201 @ , \$ 145.943 @ , \$ 143.488 @ , \$ 131.775 @ , \$ 139.524 @ , \$ 130.868 @ , \$ 137.004 @ , \$ 11 @ , \$ 294.735 @ , \$ 287.12 @ , \$ 279.615 @ , \$ 286.57 @ , \$ 288.336 @ , \$ 285.28 @ , \$ 285.657 @ , \$ 284.918 @ , \$ 279.708 @ , \$ 285.588 @ , \$ 12 @ , \$ 280.82 @ , \$ 297.843 @ , \$ 294.347 @ , \$ 288.569 @ , \$ 297.423 @ , \$ 300.181 @ , \$ 304.774 @ , \$ 324.833 @ , \$ 298.829 @ , \$ 308.3 @ , \$ 13 @ , \$ 135.85 @ , \$ 121.61 @ , \$ 135.909 @ , \$ 116.841 @ , \$ 117.067 @ , \$ 132.085 @ , \$ 113.5 @ , \$ 134.241 @ , \$ 107.987 @ , \$ 123.437 @ , \$ 14 @ , \$ 89.9709 @ , \$ 89.1315 @ , \$ 78.3067 @ , \$ 89.6549 @ , \$ 94.8893 @ , \$ 121.28 @ , \$ 100.896 @ , \$ 88.4352 @ , \$ 101.115 @ , \$ 80.4367 @ , \$ 15 @ , \$ 183.63 @ , \$ 172.617 @ , \$ 176.973 @ , \$ 188.131 @ , \$ 175.98 @ , \$ 193.335 @ , \$ 172.6 @ , \$ 170.591 @ , \$ 180.037 @ , \$ 174.351 @ , \$

## EE19B114

Alpha = 0.01757

post anova t-test pairs after sorting the sample means in descending order

2,6

9,14

1 @ , \$ 112.998 @ , \$ 125.961 @ , \$ 128.23 @ , \$ 115.803 @ , \$ 120.623 @ , \$ 125.746 @ , \$ 111.742 @ , \$ 121.634 @ , \$ 141.04 @ , \$ 121.705 @ , \$ 2 @ , \$ 44.3126 @ , \$ 33.6805 @ , \$ 35.2398 @ , \$ 33.3013 @ , \$ 38.2195 @ , \$ 78.1223 @ , \$ 47.1989 @ , \$ 27.5254 @ , \$ 32.2222 @ , \$ 36.9368 @ , \$ 3 @ , \$ 268.334 @ , \$ 273.588 @ , \$ 267.93 @ , \$ 273.175 @ , \$ 279.001 @ , \$ 268.389 @ , \$ 266.315 @ , \$ 265.451 @ , \$ 269.498 @ , \$ 271.628 @ , \$ 4 @ , \$ 59.4147 @ , \$ 51.7707 @ , \$ 62.6897 @ , \$ 55.5608 @ , \$ 63.0246 @ , \$ 58.2973 @ , \$ 60.5224 @ , \$ 60.2552 @ , \$ 63.4957 @ , \$ 56.8289 @ , \$ 5 @ , \$ 257.989 @ , \$ 260.374 @ , \$ 246.912 @ , \$ 251.159 @ , \$ 256.016 @ , \$ 264.289 @ , \$ 248.577 @ , \$ 242.667 @ , \$ 260.643 @ , \$ 273.055 @ , \$ 6 @ , \$ 120.769 @ , \$ 102.18 @ , \$ 114.473 @ , \$ 118.994 @ , \$ 121.99 @ , \$ 113.763 @ , \$ 127.662 @ , \$ 112.141 @ , \$ 112.655 @ , \$ 99.3225 @ , \$ 7 @ , \$ 265.149 @ , \$ 272.16 @ , \$ 251.111 @ , \$ 262.939 @ , \$ 274.808 @ , \$ 278.118 @ , \$ 273.861 @ , \$ 271.848 @ , \$ 261.432 @ , \$ 267.607 @ , \$ 8 @ , \$ 206.244 @ , \$ 210.149 @ , \$ 193.409 @ , \$ 196.884 @ , \$ 187.903 @ , \$ 209.907 @ , \$ 190.683 @ , \$ 206.307 @ , \$ 190.366 @ , \$ 191.862 @ , \$ 9 @ , \$ 135.043 @ , \$ 140.545 @ , \$ 156.422 @ , \$ 155.855 @ , \$ 136.676 @ , \$ 164.122 @ , \$ 149.449 @ , \$ 138.339

@, \$ 147.021 @, \$ 157.027 @, \$  
10 @, \$ 63.3898 @, \$ 71.3696 @, \$ 70.1794 @, \$ 68.0451 @, \$ 68.2161 @, \$ 74.7035 @, \$ 63.5658 @, \$  
69.8959 @, \$ 62.5845 @, \$ 62.5026 @, \$  
11 @, \$ 226.975 @, \$ 220.802 @, \$ 220.212 @, \$ 224.297 @, \$ 227.545 @, \$ 245.511 @, \$ 211.111 @, \$  
211.261 @, \$ 216.465 @, \$ 246.89 @, \$  
12 @, \$ 103.18 @, \$ 101.543 @, \$ 102.815 @, \$ 101.04 @, \$ 100.003 @, \$ 99.7754 @, \$ 107.081 @, \$ 101.694  
@, \$ 98.684 @, \$ 103.014 @, \$  
13 @, \$ 228.599 @, \$ 241.679 @, \$ 237.425 @, \$ 242.253 @, \$ 246.95 @, \$ 252.912 @, \$ 218.244 @, \$ 252.106  
@, \$ 250.193 @, \$ 231.223 @, \$  
14 @, \$ 266.101 @, \$ 285.29 @, \$ 274.916 @, \$ 267.088 @, \$ 272.288 @, \$ 289.916 @, \$ 276.459 @, \$ 253.598  
@, \$ 271.675 @, \$ 288.562 @, \$  
15 @, \$ 227.742 @, \$ 204.122 @, \$ 243.834 @, \$ 229.418 @, \$ 212.854 @, \$ 237.236 @, \$ 222.12 @, \$ 239.935  
@, \$ 236.089 @, \$ 214.895 @, \$

EE19B124

Alpha = 0.0994519

post anova t-test pairs after sorting the sample means in descending order

1,5

9,15

1 @, \$ 171.951 @, \$ 182.111 @, \$ 183.671 @, \$ 172.884 @, \$ 180.075 @, \$ 183.178 @, \$ 171.986 @, \$ 179.838  
@, \$ 176.477 @, \$ 172.58 @, \$  
2 @, \$ 228.2 @, \$ 237.877 @, \$ 241.766 @, \$ 228.72 @, \$ 242.057 @, \$ 266.93 @, \$ 231.924 @, \$ 234.522 @, \$  
239.148 @, \$ 247.701 @, \$  
3 @, \$ 158.013 @, \$ 163.106 @, \$ 162.858 @, \$ 160.748 @, \$ 160.271 @, \$ 182.097 @, \$ 160.268 @, \$ 161.541  
@, \$ 161.713 @, \$ 160.545 @, \$  
4 @, \$ 147.895 @, \$ 146.12 @, \$ 158.702 @, \$ 152.413 @, \$ 164.917 @, \$ 160.543 @, \$ 161.847 @, \$ 166.732  
@, \$ 146.959 @, \$ 148.2 @, \$  
5 @, \$ 147.663 @, \$ 163.058 @, \$ 146.26 @, \$ 158.546 @, \$ 156.495 @, \$ 163.614 @, \$ 162.558 @, \$ 151.508  
@, \$ 144.329 @, \$ 154.871 @, \$  
6 @, \$ 100.202 @, \$ 104.157 @, \$ 106.009 @, \$ 119.536 @, \$ 117.458 @, \$ 135.234 @, \$ 124.679 @, \$ 109.589  
@, \$ 118.695 @, \$ 113.068 @, \$  
7 @, \$ 174.743 @, \$ 179.05 @, \$ 176.452 @, \$ 187.784 @, \$ 187.798 @, \$ 229.011 @, \$ 147.466 @, \$ 169.605  
@, \$ 180.627 @, \$ 164.683 @, \$  
8 @, \$ 189.77 @, \$ 186.704 @, \$ 166.927 @, \$ 182.295 @, \$ 173.586 @, \$ 178.5 @, \$ 175.685 @, \$ 182.863 @,  
\$ 171.228 @, \$ 172.489 @, \$  
9 @, \$ 67.7731 @, \$ 66.9543 @, \$ 79.8302 @, \$ 74.9796 @, \$ 78.026 @, \$ 73.5209 @, \$ 66.0196 @, \$ 72.9592  
@, \$ 71.9205 @, \$ 82.494 @, \$  
10 @, \$ 95.0175 @, \$ 100.279 @, \$ 98.6247 @, \$ 96.747 @, \$ 96.0138 @, \$ 111.898 @, \$ 93.5193 @, \$ 91.1627  
@, \$ 94.0547 @, \$ 94.4172 @, \$  
11 @, \$ 285.87 @, \$ 284.406 @, \$ 285.105 @, \$ 285.789 @, \$ 285.339 @, \$ 307.41 @, \$ 284.567 @, \$ 284.782  
@, \$ 285.198 @, \$ 285.217 @, \$  
12 @, \$ 48.075 @, \$ 44.6853 @, \$ 61.7555 @, \$ 56.5395 @, \$ 55.0678 @, \$ 74.679 @, \$ 56.8399 @, \$ 48.6589  
@, \$ 52.5378 @, \$ 58.7579 @, \$  
13 @, \$ 126.373 @, \$ 126.912 @, \$ 130.012 @, \$ 129.887 @, \$ 123.174 @, \$ 141.705 @, \$ 123.072 @, \$  
126.188 @, \$ 128.737 @, \$ 125.182 @, \$  
14 @, \$ 158.937 @, \$ 164.266 @, \$ 157.897 @, \$ 153.363 @, \$ 163.105 @, \$ 149.513 @, \$ 156.751 @, \$  
159.075 @, \$ 155.978 @, \$ 164.625 @, \$  
15 @, \$ 129.406 @, \$ 124.626 @, \$ 130.513 @, \$ 128.61 @, \$ 125.396 @, \$ 128.088 @, \$ 123.157 @, \$ 134.344  
@, \$ 130.34 @, \$ 129.59 @, \$

EE19B127

Alpha = 0.0722513

post anova t-test pairs after sorting the sample means in descending order

3,8

12,15

1 @ , \$ 209.49 @ , \$ 207.746 @ , \$ 206.476 @ , \$ 213.07 @ , \$ 209.386 @ , \$ 207.576 @ , \$ 208.225 @ , \$ 209.07 @ ,  
\$ 223.86 @ , \$ 206.819 @ , \$ 2 @ , \$ 134.251 @ , \$ 127.965 @ , \$ 137.844 @ , \$ 138.015 @ , \$ 137.939 @ , \$ 141.233 @ , \$ 134.261 @ , \$ 139.484  
@ , \$ 137.781 @ , \$ 134.889 @ , \$ 3 @ , \$ 195.816 @ , \$ 193.974 @ , \$ 208.807 @ , \$ 189.329 @ , \$ 187.012 @ , \$ 187.73 @ , \$ 183.268 @ , \$ 166.058  
@ , \$ 208.351 @ , \$ 189.866 @ , \$ 4 @ , \$ 267.199 @ , \$ 249.143 @ , \$ 261.854 @ , \$ 264.444 @ , \$ 242.771 @ , \$ 275.599 @ , \$ 274.45 @ , \$ 256.044  
@ , \$ 283.576 @ , \$ 267.866 @ , \$ 5 @ , \$ 126.809 @ , \$ 122.366 @ , \$ 117.36 @ , \$ 120.301 @ , \$ 127.544 @ , \$ 122.108 @ , \$ 125.196 @ , \$ 111.045  
@ , \$ 120.871 @ , \$ 119.767 @ , \$ 6 @ , \$ 116.102 @ , \$ 130.08 @ , \$ 110.619 @ , \$ 118.533 @ , \$ 121.213 @ , \$ 125.615 @ , \$ 111.007 @ , \$ 117.627  
@ , \$ 118.123 @ , \$ 128.68 @ , \$ 7 @ , \$ 222.554 @ , \$ 223.647 @ , \$ 216.968 @ , \$ 236.49 @ , \$ 229.104 @ , \$ 243.166 @ , \$ 234.308 @ , \$ 220.282  
@ , \$ 221.432 @ , \$ 211.812 @ , \$ 8 @ , \$ 44.7204 @ , \$ 60.1814 @ , \$ 41.6648 @ , \$ 54.0551 @ , \$ 44.0248 @ , \$ 52.0998 @ , \$ 52.6372 @ , \$ 58.9813  
@ , \$ 55.6952 @ , \$ 47.3971 @ , \$ 9 @ , \$ 134.34 @ , \$ 126.335 @ , \$ 128.92 @ , \$ 129.575 @ , \$ 126.294 @ , \$ 121.51 @ , \$ 132.69 @ , \$ 128.889 @ , \$  
124.669 @ , \$ 134.522 @ , \$ 10 @ , \$ 110.755 @ , \$ 109.597 @ , \$ 114.272 @ , \$ 111.27 @ , \$ 111.947 @ , \$ 117.675 @ , \$ 111.364 @ , \$ 111.097  
@ , \$ 114.399 @ , \$ 115.223 @ , \$ 11 @ , \$ 260.487 @ , \$ 258.944 @ , \$ 240.582 @ , \$ 256.216 @ , \$ 257.894 @ , \$ 264.388 @ , \$ 253.629 @ , \$  
260.985 @ , \$ 247.212 @ , \$ 261.766 @ , \$ 12 @ , \$ 189.993 @ , \$ 199.36 @ , \$ 175.584 @ , \$ 190.569 @ , \$ 197.866 @ , \$ 196.141 @ , \$ 197.602 @ , \$ 186.129  
@ , \$ 176.208 @ , \$ 193.197 @ , \$ 13 @ , \$ 156.371 @ , \$ 163.471 @ , \$ 146.9 @ , \$ 160.13 @ , \$ 152.26 @ , \$ 180.322 @ , \$ 149.992 @ , \$ 167.889 @ ,  
\$ 146.045 @ , \$ 163.803 @ , \$ 14 @ , \$ 93.857 @ , \$ 101.22 @ , \$ 101.286 @ , \$ 107.099 @ , \$ 101.851 @ , \$ 117.816 @ , \$ 93.5564 @ , \$ 101.025  
@ , \$ 102.162 @ , \$ 107.901 @ , \$ 15 @ , \$ 213.824 @ , \$ 242.368 @ , \$ 242.101 @ , \$ 233.209 @ , \$ 216.986 @ , \$ 208.436 @ , \$ 233.034 @ , \$ 217.45  
@ , \$ 217.688 @ , \$ 223.967 @ , \$

EE19B130

Alpha = 0.0116117

post anova t-test pairs after sorting the sample means in descending order

1,4

9,13

1 @ , \$ 71.4674 @ , \$ 70.1734 @ , \$ 62.3013 @ , \$ 72.442 @ , \$ 73.344 @ , \$ 100.166 @ , \$ 71.8172 @ , \$ 66.4059 @  
\$ 68.2517 @ , \$ 70.2332 @ , \$ 2 @ , \$ 293.119 @ , \$ 288.396 @ , \$ 275.278 @ , \$ 282.282 @ , \$ 284.16 @ , \$ 293.187 @ , \$ 276.611 @ , \$ 288.753  
@ , \$ 285.961 @ , \$ 294.969 @ , \$ 3 @ , \$ 58.5143 @ , \$ 48.5551 @ , \$ 51.168 @ , \$ 74.0088 @ , \$ 49.122 @ , \$ 54.6432 @ , \$ 66.3463 @ , \$ 51.9397 @  
\$ 44.3146 @ , \$ 63.6198 @ , \$ 4 @ , \$ 243.89 @ , \$ 243.325 @ , \$ 239.056 @ , \$ 245.243 @ , \$ 245.301 @ , \$ 260.114 @ , \$ 243.237 @ , \$ 242.198  
@ , \$ 246.217 @ , \$ 241.684 @ , \$ 5 @ , \$ 155.773 @ , \$ 144.856 @ , \$ 156.041 @ , \$ 149.749 @ , \$ 140.45 @ , \$ 140.84 @ , \$ 138.707 @ , \$ 159.579 @  
\$ 142.182 @ , \$ 134.437 @ , \$ 6 @ , \$ 40.5011 @ , \$ 12.0167 @ , \$ 29.6663 @ , \$ 37.8545 @ , \$ 21.8184 @ , \$ 40.3648 @ , \$ 19.9524 @ , \$ 27.1456  
@ , \$ 23.5587 @ , \$ 27.222 @ , \$ 7 @ , \$ 27.9892 @ , \$ 22.1475 @ , \$ 23.263 @ , \$ 22.363 @ , \$ 23.1464 @ , \$ 21.6691 @ , \$ 19.2468 @ , \$ 24.6387 @  
\$ 24.1317 @ , \$ 20.6125 @ , \$

8 @, \$ 198.222 @, \$ 186.671 @, \$ 182.047 @, \$ 187.242 @, \$ 191.073 @, \$ 201.064 @, \$ 190.062 @, \$ 175.979 @, \$ 185.778 @, \$ 177.579 @, \$ 9 @, \$ -0.522383 @, \$ -6.09028 @, \$ 14.7886 @, \$ 7.32775 @, \$ -4.57368 @, \$ 19.0706 @, \$ -7.42181 @, \$ 10.4275 @, \$ 20.3747 @, \$ 3.26253 @, \$ 10 @, \$ 255.282 @, \$ 243.771 @, \$ 235.259 @, \$ 244.462 @, \$ 235.53 @, \$ 230.279 @, \$ 247.27 @, \$ 235.757 @, \$ 239.012 @, \$ 233.911 @, \$ 11 @, \$ 140.902 @, \$ 153.555 @, \$ 147.789 @, \$ 149.688 @, \$ 144.771 @, \$ 149.77 @, \$ 144.331 @, \$ 140.785 @, \$ 134.392 @, \$ 146.035 @, \$ 12 @, \$ 26.1094 @, \$ 25.646 @, \$ 26.3704 @, \$ 26.0618 @, \$ 25.9469 @, \$ 37.1318 @, \$ 27.0562 @, \$ 27.3681 @, \$ 25.7794 @, \$ 26.5113 @, \$ 13 @, \$ 169.498 @, \$ 157.864 @, \$ 169.688 @, \$ 160.968 @, \$ 166.719 @, \$ 200.443 @, \$ 171.693 @, \$ 184.84 @, \$ 178.458 @, \$ 155.326 @, \$ 14 @, \$ 79.2857 @, \$ 78.0848 @, \$ 68.2908 @, \$ 93.8821 @, \$ 61.5917 @, \$ 91.987 @, \$ 71.3968 @, \$ 83.528 @, \$ 76.3123 @, \$ 93.0902 @, \$ 15 @, \$ 51.3294 @, \$ 62.8486 @, \$ 38.1646 @, \$ 51.5629 @, \$ 44.824 @, \$ 77.3322 @, \$ 71.7768 @, \$ 45.6603 @, \$ 54.2628 @, \$ 50.2725 @, \$

EE20B031

Alpha = 0.0863282

post anova t-test pairs after sorting the sample means in descending order

3,7

10,13

1 @, \$ 19.5643 @, \$ -2.2781 @, \$ 2.12186 @, \$ 13.3815 @, \$ -5.35057 @, \$ 10.8946 @, \$ -3.60349 @, \$ 10.4275 @, \$ 9.25884 @, \$ 12.1519 @, \$ 2 @, \$ 177.76 @, \$ 177.472 @, \$ 173.698 @, \$ 182.001 @, \$ 174.831 @, \$ 177.323 @, \$ 172.343 @, \$ 174.283 @, \$ 181.036 @, \$ 174.071 @, \$ 3 @, \$ 253.672 @, \$ 256.374 @, \$ 254.472 @, \$ 261.275 @, \$ 265.191 @, \$ 264.631 @, \$ 256.321 @, \$ 255.66 @, \$ 252.871 @, \$ 243.9 @, \$ 4 @, \$ 257.293 @, \$ 262.321 @, \$ 247.189 @, \$ 240.036 @, \$ 253.179 @, \$ 252.691 @, \$ 255.5 @, \$ 264.731 @, \$ 239.31 @, \$ 257.012 @, \$ 5 @, \$ 199.648 @, \$ 206.103 @, \$ 191.527 @, \$ 198.486 @, \$ 206.531 @, \$ 218.66 @, \$ 200.723 @, \$ 209.375 @, \$ 200.469 @, \$ 197.763 @, \$ 6 @, \$ 7.20275 @, \$ 3.66585 @, \$ 5.63883 @, \$ -2.91696 @, \$ 7.0386 @, \$ 23.4525 @, \$ -0.431028 @, \$ 1.90476 @, \$ 0.249957 @, \$ 13.3424 @, \$ 7 @, \$ 214.513 @, \$ 216.046 @, \$ 214.568 @, \$ 211.738 @, \$ 231.562 @, \$ 234.873 @, \$ 214.948 @, \$ 227.496 @, \$ 224.277 @, \$ 214.843 @, \$ 8 @, \$ 109.005 @, \$ 96.5136 @, \$ 111.859 @, \$ 113.035 @, \$ 94.8557 @, \$ 122.875 @, \$ 91.2211 @, \$ 108.054 @, \$ 96.2171 @, \$ 96.5818 @, \$ 9 @, \$ 240.005 @, \$ 255.636 @, \$ 253.636 @, \$ 259.581 @, \$ 248.847 @, \$ 277.292 @, \$ 257.065 @, \$ 259.102 @, \$ 263.795 @, \$ 253.655 @, \$ 10 @, \$ 111.072 @, \$ 115.209 @, \$ 112.317 @, \$ 128.242 @, \$ 99.9795 @, \$ 137.978 @, \$ 101.845 @, \$ 116.772 @, \$ 110.452 @, \$ 116.553 @, \$ 11 @, \$ 145.655 @, \$ 160.639 @, \$ 157.089 @, \$ 157.315 @, \$ 150.556 @, \$ 149.427 @, \$ 160.716 @, \$ 154.88 @, \$ 150.803 @, \$ 160.277 @, \$ 12 @, \$ 85.6836 @, \$ 85.9904 @, \$ 85.2484 @, \$ 85.3542 @, \$ 83.8045 @, \$ 109.571 @, \$ 85.0728 @, \$ 86.8513 @, \$ 87.0191 @, \$ 81.917 @, \$ 13 @, \$ 202.901 @, \$ 211.094 @, \$ 209.961 @, \$ 197.26 @, \$ 229.026 @, \$ 211.342 @, \$ 213.895 @, \$ 215.754 @, \$ 216.719 @, \$ 208.263 @, \$ 14 @, \$ 217.438 @, \$ 215.858 @, \$ 214.072 @, \$ 220.277 @, \$ 216.699 @, \$ 232.588 @, \$ 212.496 @, \$ 220.832 @, \$ 215.986 @, \$ 216.105 @, \$ 15 @, \$ 52.9357 @, \$ 54.3954 @, \$ 54.8268 @, \$ 54.689 @, \$ 54.2302 @, \$ 65.8815 @, \$ 54.3543 @, \$ 54.2121 @, \$ 54.4054 @, \$ 54.8676 @, \$

EE20B033

Alpha = 0.0706758

post anova t-test pairs after sorting the sample means in descending order

3,4

10,14

1 @ , \$ 203.851 @ , \$ 206.127 @ , \$ 207.714 @ , \$ 205.172 @ , \$ 206.738 @ , \$ 231.968 @ , \$ 210.497 @ , \$ 190.051 @ , \$ 202.897 @ , \$ 197.007 @ , \$ 2 @ , \$ 113.585 @ , \$ 107.798 @ , \$ 102.73 @ , \$ 110.737 @ , \$ 117.033 @ , \$ 126.394 @ , \$ 102.233 @ , \$ 97.0452 @ , \$ 107.332 @ , \$ 114.369 @ , \$ 3 @ , \$ 19.3075 @ , \$ 33.5895 @ , \$ 37.8371 @ , \$ 30.0968 @ , \$ 24.6301 @ , \$ 61.9679 @ , \$ 25.3576 @ , \$ 22.9363 @ , \$ 25.7338 @ , \$ 14.0586 @ , \$ 4 @ , \$ 240.695 @ , \$ 223.218 @ , \$ 222.358 @ , \$ 220.47 @ , \$ 225.49 @ , \$ 239.106 @ , \$ 233.154 @ , \$ 224.828 @ , \$ 228.087 @ , \$ 227.844 @ , \$ 5 @ , \$ 206.659 @ , \$ 202.397 @ , \$ 197.416 @ , \$ 205.191 @ , \$ 208.105 @ , \$ 208.415 @ , \$ 215.533 @ , \$ 189.573 @ , \$ 212.638 @ , \$ 200.624 @ , \$ 6 @ , \$ 268.324 @ , \$ 259.747 @ , \$ 261.107 @ , \$ 260.487 @ , \$ 236.732 @ , \$ 283.319 @ , \$ 242.786 @ , \$ 258.652 @ , \$ 262.693 @ , \$ 261.141 @ , \$ 7 @ , \$ 301.952 @ , \$ 287.015 @ , \$ 297.929 @ , \$ 282.432 @ , \$ 307.676 @ , \$ 297.68 @ , \$ 293.985 @ , \$ 285.385 @ , \$ 286.59 @ , \$ 288.307 @ , \$ 8 @ , \$ 114.948 @ , \$ 115.848 @ , \$ 117.876 @ , \$ 119.607 @ , \$ 114.301 @ , \$ 116.736 @ , \$ 115.501 @ , \$ 107.13 @ , \$ 114.562 @ , \$ 116.926 @ , \$ 9 @ , \$ 226.933 @ , \$ 229.021 @ , \$ 237.333 @ , \$ 229.53 @ , \$ 225.713 @ , \$ 248.659 @ , \$ 228.741 @ , \$ 225.607 @ , \$ 228.238 @ , \$ 229.548 @ , \$ 10 @ , \$ 25.8668 @ , \$ 8.78315 @ , \$ 2.42957 @ , \$ 9.78482 @ , \$ 4.33246 @ , \$ 37.8922 @ , \$ 15.7727 @ , \$ 21.9509 @ , \$ 8.80346 @ , \$ 27.1752 @ , \$ 11 @ , \$ 37.8719 @ , \$ 34.3762 @ , \$ 42.8788 @ , \$ 44.4063 @ , \$ 47.4873 @ , \$ 61.0215 @ , \$ 49.4981 @ , \$ 40.664 @ , \$ 38.6717 @ , \$ 31.954 @ , \$ 12 @ , \$ 130.329 @ , \$ 113.395 @ , \$ 115.185 @ , \$ 131.78 @ , \$ 133.921 @ , \$ 125.312 @ , \$ 120.864 @ , \$ 123.439 @ , \$ 119.382 @ , \$ 106.712 @ , \$ 13 @ , \$ 10.9128 @ , \$ 3.99574 @ , \$ 5.1201 @ , \$ 6.28693 @ , \$ 6.58914 @ , \$ 21.0551 @ , \$ 16.8319 @ , \$ 7.14545 @ , \$ 1.03604 @ , \$ 0.829912 @ , \$ 14 @ , \$ 91.1977 @ , \$ 90.6326 @ , \$ 88.3218 @ , \$ 90.8585 @ , \$ 90.4703 @ , \$ 97.7125 @ , \$ 91.201 @ , \$ 88.6361 @ , \$ 93.1767 @ , \$ 93.6078 @ , \$ 15 @ , \$ 310.917 @ , \$ 306.545 @ , \$ 279.027 @ , \$ 296.207 @ , \$ 287.613 @ , \$ 306.277 @ , \$ 305.968 @ , \$ 308.656 @ , \$ 300.691 @ , \$ 307.33 @ , \$

EE20B039

Alpha = 0.0521997

post anova t-test pairs after sorting the sample means in descending order

2,6

12,15

1 @ , \$ 120.641 @ , \$ 130.823 @ , \$ 111.416 @ , \$ 119.636 @ , \$ 121.345 @ , \$ 135.179 @ , \$ 112.928 @ , \$ 136.933 @ , \$ 122.907 @ , \$ 126.848 @ , \$ 2 @ , \$ 229.625 @ , \$ 218.195 @ , \$ 201.445 @ , \$ 230.295 @ , \$ 224.729 @ , \$ 233.244 @ , \$ 229.163 @ , \$ 226.379 @ , \$ 216.085 @ , \$ 217.02 @ , \$ 3 @ , \$ 96.2785 @ , \$ 90.2972 @ , \$ 80.7786 @ , \$ 107.624 @ , \$ 93.8185 @ , \$ 123.065 @ , \$ 83.5919 @ , \$ 87.1143 @ , \$ 87.3002 @ , \$ 98.1085 @ , \$ 4 @ , \$ 239.614 @ , \$ 228.602 @ , \$ 235.264 @ , \$ 233.678 @ , \$ 217.374 @ , \$ 247.927 @ , \$ 223.256 @ , \$ 232.624 @ , \$ 228.867 @ , \$ 225.286 @ , \$ 5 @ , \$ 126.822 @ , \$ 111.953 @ , \$ 120.911 @ , \$ 126.973 @ , \$ 132.262 @ , \$ 143.261 @ , \$ 122.228 @ , \$ 127.301 @ , \$ 114.929 @ , \$ 125.917 @ , \$ 6 @ , \$ 177.666 @ , \$ 179.187 @ , \$ 182.533 @ , \$ 185.19 @ , \$ 183.172 @ , \$ 203.202 @ , \$ 181.575 @ , \$ 183.972

@, \$ 187.999 @, \$ 179.908 @, \$  
7 @, \$ 214.142 @, \$ 211.165 @, \$ 211.701 @, \$ 205.424 @, \$ 210.167 @, \$ 226.502 @, \$ 210.64 @, \$ 225.481  
@, \$ 206.011 @, \$ 208.958 @, \$  
8 @, \$ 254.532 @, \$ 247.875 @, \$ 249.011 @, \$ 256.087 @, \$ 248.026 @, \$ 263.164 @, \$ 253.638 @, \$ 244.642  
@, \$ 249.255 @, \$ 247.106 @, \$  
9 @, \$ 159.062 @, \$ 165.342 @, \$ 167.324 @, \$ 158.228 @, \$ 157.644 @, \$ 183.954 @, \$ 169.484 @, \$ 162.308  
@, \$ 160.744 @, \$ 167.4 @, \$  
10 @, \$ 190.646 @, \$ 194.069 @, \$ 196.07 @, \$ 190.542 @, \$ 190.679 @, \$ 218.205 @, \$ 190.976 @, \$ 192.997  
@, \$ 189.131 @, \$ 182.6 @, \$  
11 @, \$ 42.7423 @, \$ 45.6612 @, \$ 43.539 @, \$ 44.0226 @, \$ 42.0993 @, \$ 67.0391 @, \$ 46.1229 @, \$ 42.2861  
@, \$ 42.6373 @, \$ 42.1044 @, \$  
12 @, \$ 47.715 @, \$ 55.0229 @, \$ 51.0774 @, \$ 60.8818 @, \$ 47.0179 @, \$ 48.0507 @, \$ 49.5906 @, \$ 52.0114  
@, \$ 53.7356 @, \$ 59.9978 @, \$  
13 @, \$ 166.072 @, \$ 189.959 @, \$ 179.371 @, \$ 189.662 @, \$ 164.685 @, \$ 193.508 @, \$ 176.266 @, \$  
176.017 @, \$ 172.03 @, \$ 174.282 @, \$  
14 @, \$ 146.294 @, \$ 144.856 @, \$ 158.304 @, \$ 142.86 @, \$ 156.861 @, \$ 163.01 @, \$ 150.318 @, \$ 161.905  
@, \$ 159.119 @, \$ 149.104 @, \$  
15 @, \$ 128.039 @, \$ 126.824 @, \$ 141.801 @, \$ 137.699 @, \$ 118.658 @, \$ 141.507 @, \$ 138.102 @, \$  
129.801 @, \$ 128.314 @, \$ 131.345 @, \$

EE20B041

Alpha = 0.0813538

post anova t-test pairs after sorting the sample means in descending order

2,7

11,14

1 @, \$ 152.656 @, \$ 150.343 @, \$ 159.745 @, \$ 162.354 @, \$ 156.898 @, \$ 153.757 @, \$ 157.81 @, \$ 151.378  
@, \$ 156.941 @, \$ 150.959 @, \$  
2 @, \$ 254.613 @, \$ 254.135 @, \$ 255.942 @, \$ 254.705 @, \$ 253.687 @, \$ 269.728 @, \$ 255.593 @, \$ 255.712  
@, \$ 256.305 @, \$ 255.457 @, \$  
3 @, \$ 15.4182 @, \$ 26.6765 @, \$ 20.5472 @, \$ 17.7901 @, \$ 11.4463 @, \$ 21.6062 @, \$ 15.0788 @, \$ 9.4589  
@, \$ 15.0565 @, \$ 8.97647 @, \$  
4 @, \$ 97.233 @, \$ 107.365 @, \$ 107.676 @, \$ 89.8664 @, \$ 99.4146 @, \$ 109.225 @, \$ 98.6589 @, \$ 99.5402  
@, \$ 95.5421 @, \$ 106.928 @, \$  
5 @, \$ 185.874 @, \$ 169.195 @, \$ 174.934 @, \$ 185.569 @, \$ 165.911 @, \$ 194.748 @, \$ 161.994 @, \$ 173.139  
@, \$ 176.573 @, \$ 157.389 @, \$  
6 @, \$ 160.343 @, \$ 174.672 @, \$ 164.294 @, \$ 161.133 @, \$ 168.545 @, \$ 165.953 @, \$ 162.13 @, \$ 163.335  
@, \$ 164.077 @, \$ 178.181 @, \$  
7 @, \$ 66.5046 @, \$ 68.6105 @, \$ 73.4395 @, \$ 55.3044 @, \$ 59.3942 @, \$ 86.644 @, \$ 76.27 @, \$ 63.183 @, \$  
67.6261 @, \$ 58.3857 @, \$  
8 @, \$ 61.2972 @, \$ 64.148 @, \$ 62.3156 @, \$ 62.0634 @, \$ 76.6118 @, \$ 92.8942 @, \$ 74.3138 @, \$ 64.7351  
@, \$ 65.5165 @, \$ 70.8365 @, \$  
9 @, \$ 169.036 @, \$ 164.466 @, \$ 172.241 @, \$ 181.459 @, \$ 162.386 @, \$ 183.414 @, \$ 166.034 @, \$ 180.29  
@, \$ 171.414 @, \$ 178.243 @, \$  
10 @, \$ 241.692 @, \$ 253.259 @, \$ 267.123 @, \$ 259.777 @, \$ 270.08 @, \$ 280.134 @, \$ 250.213 @, \$ 257.695  
@, \$ 247.544 @, \$ 263.569 @, \$  
11 @, \$ 278.36 @, \$ 273.366 @, \$ 274.26 @, \$ 258.755 @, \$ 282.711 @, \$ 298.465 @, \$ 280.153 @, \$ 258.966  
@, \$ 275.908 @, \$ 267.136 @, \$  
12 @, \$ 79.4881 @, \$ 54.2248 @, \$ 79.5656 @, \$ 76.2422 @, \$ 72.3251 @, \$ 89.4582 @, \$ 66.2732 @, \$  
81.2324 @, \$ 82.3122 @, \$ 81.0049 @, \$  
13 @, \$ 82.3651 @, \$ 79.1384 @, \$ 88.504 @, \$ 83.783 @, \$ 80.7028 @, \$ 101.645 @, \$ 101.325 @, \$ 83.2652  
@, \$ 78.4815 @, \$ 92.3609 @, \$  
14 @, \$ 10.9287 @, \$ 11.4806 @, \$ 12.3997 @, \$ 12.6336 @, \$ 11.6816 @, \$ 21.7095 @, \$ 12.0941 @, \$  
11.7652 @, \$ 12.1469 @, \$ 12.2864 @, \$

15 @ , \$ 222.689 @ , \$ 200.633 @ , \$ 213.472 @ , \$ 203.207 @ , \$ 208.361 @ , \$ 212.146 @ , \$ 219.146 @ , \$ 218.155 @ , \$ 200.378 @ , \$ 196.69 @ , \$

#### EE20B048

Alpha = 0.025832

post anova t-test pairs after sorting the sample means in descending order

1,5

9,13

1 @ , \$ 212.247 @ , \$ 209.743 @ , \$ 211.143 @ , \$ 207.281 @ , \$ 211.164 @ , \$ 217.429 @ , \$ 210.984 @ , \$ 205.447 @ , \$ 214.695 @ , \$ 206.313 @ , \$  
2 @ , \$ 284.333 @ , \$ 279.384 @ , \$ 264.476 @ , \$ 268.856 @ , \$ 287.6 @ , \$ 268.326 @ , \$ 270.343 @ , \$ 264.141 @ , \$ 271.214 @ , \$ 269.36 @ , \$  
3 @ , \$ 127.581 @ , \$ 127.283 @ , \$ 121.165 @ , \$ 129.899 @ , \$ 102.19 @ , \$ 140.447 @ , \$ 125.582 @ , \$ 117.726 @ , \$ 120.205 @ , \$ 109.782 @ , \$  
4 @ , \$ 180.267 @ , \$ 173.203 @ , \$ 181.667 @ , \$ 180.983 @ , \$ 178.9 @ , \$ 178.285 @ , \$ 172.636 @ , \$ 176.204 @ , \$ 184.1 @ , \$ 180.772 @ , \$  
5 @ , \$ 298.697 @ , \$ 308.992 @ , \$ 292.279 @ , \$ 295.538 @ , \$ 301.65 @ , \$ 305.533 @ , \$ 297.431 @ , \$ 289.08 @ , \$ 292.715 @ , \$ 306.305 @ , \$  
6 @ , \$ 3.50741 @ , \$ 22.0571 @ , \$ 24.6809 @ , \$ 7.73282 @ , \$ 15.7281 @ , \$ 18.1786 @ , \$ 12.813 @ , \$ 5.97794 @ , \$ 4.98165 @ , \$ 24.9401 @ , \$  
7 @ , \$ 142.587 @ , \$ 148.176 @ , \$ 148.053 @ , \$ 146.254 @ , \$ 143.823 @ , \$ 149.487 @ , \$ 144.332 @ , \$ 138.891 @ , \$ 140.91 @ , \$ 144.64 @ , \$  
8 @ , \$ 296.795 @ , \$ 303.37 @ , \$ 299.243 @ , \$ 297.309 @ , \$ 297.661 @ , \$ 303.097 @ , \$ 300.418 @ , \$ 297.808 @ , \$ 301.232 @ , \$ 294.701 @ , \$  
9 @ , \$ 65.7044 @ , \$ 67.6232 @ , \$ 66.1965 @ , \$ 69.5259 @ , \$ 66.8001 @ , \$ 81.3926 @ , \$ 71.7961 @ , \$ 62.0235 @ , \$ 63.1792 @ , \$ 70.5876 @ , \$  
10 @ , \$ 195.569 @ , \$ 203.57 @ , \$ 204.079 @ , \$ 207.298 @ , \$ 198.972 @ , \$ 233.072 @ , \$ 202.811 @ , \$ 206.813 @ , \$ 207.85 @ , \$ 190.325 @ , \$  
11 @ , \$ 250.33 @ , \$ 257.204 @ , \$ 238.092 @ , \$ 239.427 @ , \$ 250.39 @ , \$ 228.403 @ , \$ 252.684 @ , \$ 234.309 @ , \$ 242.661 @ , \$ 242.922 @ , \$  
12 @ , \$ 136.489 @ , \$ 149.276 @ , \$ 151.489 @ , \$ 135.665 @ , \$ 131.991 @ , \$ 134.056 @ , \$ 132.339 @ , \$ 142.407 @ , \$ 147.449 @ , \$ 135.703 @ , \$  
13 @ , \$ 173.823 @ , \$ 179.123 @ , \$ 160.206 @ , \$ 175.54 @ , \$ 174.024 @ , \$ 183.657 @ , \$ 177.672 @ , \$ 174.49 @ , \$ 172.812 @ , \$ 188.997 @ , \$  
14 @ , \$ 197.295 @ , \$ 188.697 @ , \$ 198.64 @ , \$ 175.261 @ , \$ 197.052 @ , \$ 190.472 @ , \$ 188.802 @ , \$ 186.138 @ , \$ 172.66 @ , \$ 183.567 @ , \$  
15 @ , \$ 283.83 @ , \$ 275.643 @ , \$ 280.95 @ , \$ 288.378 @ , \$ 281.738 @ , \$ 311.515 @ , \$ 293.038 @ , \$ 291.633 @ , \$ 283.489 @ , \$ 282.24 @ , \$

#### EE20B051

Alpha = 0.0967303

post anova t-test pairs after sorting the sample means in descending order

2,6

11,15

1 @ , \$ 176.124 @ , \$ 172.782 @ , \$ 178.992 @ , \$ 169.2 @ , \$ 184.63 @ , \$ 187.633 @ , \$ 168.87 @ , \$ 174.468 @ , \$ 177.102 @ , \$ 177.534 @ , \$  
2 @ , \$ 206.851 @ , \$ 207.977 @ , \$ 206.667 @ , \$ 201.634 @ , \$ 209.352 @ , \$ 212.347 @ , \$ 209.274 @ , \$ 206.365 @ , \$ 190.501 @ , \$ 205.156 @ , \$  
3 @ , \$ 183.447 @ , \$ 180.785 @ , \$ 186.016 @ , \$ 186.939 @ , \$ 180.196 @ , \$ 195.877 @ , \$ 181.763 @ , \$ 180.015 @ , \$ 179.303 @ , \$ 175.102 @ , \$  
4 @ , \$ 68.9665 @ , \$ 79.0331 @ , \$ 58.6426 @ , \$ 70.9177 @ , \$ 68.698 @ , \$ 86.3527 @ , \$ 69.3814 @ , \$ 68.9171 @ , \$ 64.5136 @ , \$ 62.2881 @ , \$

5 @, \$ 109.127 @, \$ 95.7678 @, \$ 100.591 @, \$ 107.074 @, \$ 118.847 @, \$ 104.198 @, \$ 115.269 @, \$ 101.98 @, \$ 106.934 @, \$ 101.638 @, \$ 6 @, \$ 298.009 @, \$ 285.728 @, \$ 288.456 @, \$ 286.08 @, \$ 276.2 @, \$ 280.031 @, \$ 288.609 @, \$ 293.335 @, \$ 294.546 @, \$ 285.053 @, \$ 7 @, \$ 189.01 @, \$ 181.633 @, \$ 188.44 @, \$ 187.792 @, \$ 184.129 @, \$ 181.579 @, \$ 186.261 @, \$ 177.269 @, \$ 185.359 @, \$ 182.753 @, \$ 8 @, \$ 93.0103 @, \$ 79.6574 @, \$ 66.624 @, \$ 72.0753 @, \$ 86.6542 @, \$ 95.2303 @, \$ 89.7776 @, \$ 62.9742 @, \$ 70.8796 @, \$ 87.0303 @, \$ 9 @, \$ 202.181 @, \$ 198.497 @, \$ 207.087 @, \$ 198.843 @, \$ 194.886 @, \$ 198.546 @, \$ 202.593 @, \$ 195.476 @, \$ 185.179 @, \$ 196.355 @, \$ 10 @, \$ 294.886 @, \$ 305.196 @, \$ 294.377 @, \$ 311.126 @, \$ 276.202 @, \$ 319.635 @, \$ 289.003 @, \$ 292.911 @, \$ 291.35 @, \$ 290.555 @, \$ 11 @, \$ 221.851 @, \$ 228.753 @, \$ 225.811 @, \$ 226.637 @, \$ 217.735 @, \$ 215.128 @, \$ 214.816 @, \$ 232.963 @, \$ 207.37 @, \$ 203.45 @, \$ 12 @, \$ 241.912 @, \$ 253.541 @, \$ 256.099 @, \$ 257.252 @, \$ 247.866 @, \$ 268.218 @, \$ 248.689 @, \$ 259.606 @, \$ 257.611 @, \$ 248.243 @, \$ 13 @, \$ 234.269 @, \$ 227.72 @, \$ 226.633 @, \$ 243.566 @, \$ 237.552 @, \$ 250.216 @, \$ 222.017 @, \$ 231.906 @, \$ 229.693 @, \$ 243.178 @, \$ 14 @, \$ 240.702 @, \$ 229.569 @, \$ 235.118 @, \$ 229.599 @, \$ 229.521 @, \$ 233.384 @, \$ 221.819 @, \$ 228.631 @, \$ 220.121 @, \$ 223.659 @, \$ 15 @, \$ 196.232 @, \$ 181.064 @, \$ 185.671 @, \$ 194.136 @, \$ 179.312 @, \$ 198.473 @, \$ 184.139 @, \$ 181.62 @, \$ 197.274 @, \$ 196.93 @, \$

EE20B053

Alpha = 0.0243522

post anova t-test pairs after sorting the sample means in descending order

2,7

12,15

1 @, \$ 70.4729 @, \$ 76.5042 @, \$ 74.0454 @, \$ 70.1841 @, \$ 83.7721 @, \$ 85.9996 @, \$ 68.3785 @, \$ 76.8942 @, \$ 70.0061 @, \$ 67.8964 @, \$ 2 @, \$ 258.283 @, \$ 254.85 @, \$ 264.638 @, \$ 256.245 @, \$ 265.33 @, \$ 286.065 @, \$ 262.89 @, \$ 264.153 @, \$ 276.623 @, \$ 253.905 @, \$ 3 @, \$ 267.294 @, \$ 270.389 @, \$ 276.895 @, \$ 255.061 @, \$ 283.866 @, \$ 280.771 @, \$ 265.045 @, \$ 280.268 @, \$ 261.6 @, \$ 270.468 @, \$ 4 @, \$ 50.4237 @, \$ 57.2098 @, \$ 63.9833 @, \$ 66.3103 @, \$ 61.4322 @, \$ 72.6567 @, \$ 54.0509 @, \$ 57.2527 @, \$ 63.019 @, \$ 49.9814 @, \$ 5 @, \$ 167.122 @, \$ 160.438 @, \$ 147.383 @, \$ 151.704 @, \$ 161.579 @, \$ 162.443 @, \$ 152.455 @, \$ 147.769 @, \$ 164.532 @, \$ 160.41 @, \$ 6 @, \$ 88.617 @, \$ 92.4205 @, \$ 90.7025 @, \$ 84.5218 @, \$ 91.7994 @, \$ 99.6195 @, \$ 93.7211 @, \$ 84.4194 @, \$ 91.2515 @, \$ 87.8924 @, \$ 7 @, \$ 288.894 @, \$ 286.676 @, \$ 279.178 @, \$ 287.123 @, \$ 291.673 @, \$ 282.842 @, \$ 292.465 @, \$ 292.725 @, \$ 297.092 @, \$ 291.759 @, \$ 8 @, \$ 96.7377 @, \$ 89.796 @, \$ 98.4089 @, \$ 82.7216 @, \$ 94.7097 @, \$ 118.863 @, \$ 84.5792 @, \$ 99.9159 @, \$ 121.568 @, \$ 94.3812 @, \$ 9 @, \$ 253.481 @, \$ 241.709 @, \$ 237.064 @, \$ 240.461 @, \$ 232.572 @, \$ 249.777 @, \$ 249.98 @, \$ 236.275 @, \$ 246.662 @, \$ 249.019 @, \$ 10 @, \$ 227.425 @, \$ 235.882 @, \$ 235.74 @, \$ 232.909 @, \$ 235.124 @, \$ 239.733 @, \$ 235.017 @, \$ 237.184 @, \$ 239.82 @, \$ 236.159 @, \$ 11 @, \$ 267.059 @, \$ 258.572 @, \$ 271.268 @, \$ 273.074 @, \$ 255.905 @, \$ 272.982 @, \$ 284.213 @, \$ 273.1 @, \$ 253.933 @, \$ 273.643 @, \$ 12 @, \$ 37.6677 @, \$ 24.0708 @, \$ 30.162 @, \$ 29.32 @, \$ 29.88 @, \$ 45.0732 @, \$ 35.1765 @, \$ 28.2588 @, \$ 24.9125 @, \$ 32.3931 @, \$ 13 @, \$ 44.534 @, \$ 21.4982 @, \$ 15.6436 @, \$ 29.2973 @, \$ 36.9769 @, \$ 47.5867 @, \$ 24.9437 @, \$ 14.7803

@ , \$ 4.60652 @ , \$ 3.6642 @ , \$  
14 @ , \$ 128.513 @ , \$ 135.365 @ , \$ 131.412 @ , \$ 127.773 @ , \$ 141.411 @ , \$ 153.67 @ , \$ 137.614 @ , \$ 135.236  
@ , \$ 136.442 @ , \$ 131.393 @ , \$  
15 @ , \$ 234.303 @ , \$ 243.366 @ , \$ 226.304 @ , \$ 255.051 @ , \$ 238.273 @ , \$ 246.043 @ , \$ 224.849 @ , \$  
247.439 @ , \$ 233.002 @ , \$ 226.072 @ , \$

EE20B073

Alpha = 0.0671548

post anova t-test pairs after sorting the sample means in descending order

2,7

11,13

1 @ , \$ 2.80318 @ , \$ 3.99307 @ , \$ 1.14777 @ , \$ 1.52263 @ , \$ 5.07257 @ , \$ 20.3221 @ , \$ -8.44065 @ , \$ 7.07458  
@ , \$ 10.7189 @ , \$ 2.60387 @ , \$  
2 @ , \$ 77.831 @ , \$ 75.6564 @ , \$ 75.4889 @ , \$ 79.9921 @ , \$ 77.4699 @ , \$ 84.3045 @ , \$ 76.9107 @ , \$ 81.6482  
@ , \$ 82.2568 @ , \$ 84.8329 @ , \$  
3 @ , \$ 11.9943 @ , \$ 5.59528 @ , \$ 2.85972 @ , \$ 10.4355 @ , \$ 3.69342 @ , \$ 35.2029 @ , \$ 7.20182 @ , \$ 8.10334  
@ , \$ 10.6542 @ , \$ 11.8189 @ , \$  
4 @ , \$ 82.8718 @ , \$ 80.2233 @ , \$ 83.4405 @ , \$ 86.5284 @ , \$ 88.4857 @ , \$ 89.9442 @ , \$ 83.0795 @ , \$ 86.1357  
@ , \$ 86.4094 @ , \$ 81.9392 @ , \$  
5 @ , \$ 131.785 @ , \$ 116.206 @ , \$ 128.977 @ , \$ 118.747 @ , \$ 121.056 @ , \$ 124.623 @ , \$ 120.101 @ , \$ 124.74  
@ , \$ 108.668 @ , \$ 129.091 @ , \$  
6 @ , \$ 223.602 @ , \$ 221.494 @ , \$ 218.188 @ , \$ 214.099 @ , \$ 219.03 @ , \$ 237.399 @ , \$ 227.472 @ , \$ 213.268  
@ , \$ 219.429 @ , \$ 222.77 @ , \$  
7 @ , \$ 31.3986 @ , \$ 26.5952 @ , \$ 15.8463 @ , \$ 28.3585 @ , \$ 18.095 @ , \$ 36.8001 @ , \$ 10.9062 @ , \$ 8.32034  
@ , \$ 28.9026 @ , \$ 3.90644 @ , \$  
8 @ , \$ 131.013 @ , \$ 122.91 @ , \$ 129.193 @ , \$ 125.979 @ , \$ 121.356 @ , \$ 140.938 @ , \$ 127.133 @ , \$ 128.593  
@ , \$ 125.605 @ , \$ 123.193 @ , \$  
9 @ , \$ 150.208 @ , \$ 144.454 @ , \$ 143.347 @ , \$ 144.875 @ , \$ 138.804 @ , \$ 158.468 @ , \$ 151.004 @ , \$ 145 @ ,  
\$ 144.969 @ , \$ 139.271 @ , \$  
10 @ , \$ 12.1262 @ , \$ -5.53497 @ , \$ -6.632 @ , \$ 10.423 @ , \$ 4.76252 @ , \$ -2.32677 @ , \$ 8.25068 @ , \$ -3.15652  
@ , \$ 19.4977 @ , \$ 11.2764 @ , \$  
11 @ , \$ 140.434 @ , \$ 134.849 @ , \$ 135.316 @ , \$ 141.242 @ , \$ 140.884 @ , \$ 143.761 @ , \$ 139.646 @ , \$  
142.582 @ , \$ 136.104 @ , \$ 141.29 @ , \$  
12 @ , \$ 171.488 @ , \$ 173.356 @ , \$ 165.075 @ , \$ 169.491 @ , \$ 170.368 @ , \$ 182.144 @ , \$ 167.859 @ , \$  
176.719 @ , \$ 176.504 @ , \$ 172.262 @ , \$  
13 @ , \$ 112.247 @ , \$ 95.5839 @ , \$ 116.644 @ , \$ 97.4107 @ , \$ 112.523 @ , \$ 125.477 @ , \$ 106.304 @ , \$  
114.509 @ , \$ 103.189 @ , \$ 109.718 @ , \$  
14 @ , \$ 53.2093 @ , \$ 68.5121 @ , \$ 62.1507 @ , \$ 67.69 @ , \$ 65.335 @ , \$ 75.5722 @ , \$ 58.9064 @ , \$ 70.0394 @ ,  
\$ 57.3291 @ , \$ 62.8098 @ , \$  
15 @ , \$ 180.854 @ , \$ 191.088 @ , \$ 183.042 @ , \$ 182.108 @ , \$ 179.223 @ , \$ 213.689 @ , \$ 176.276 @ , \$  
192.981 @ , \$ 193.388 @ , \$ 185.949 @ , \$

EE20B081

Alpha = 0.0279155

post anova t-test pairs after sorting the sample means in descending order

2,8

11,13

1 @ , \$ 239.072 @ , \$ 227.206 @ , \$ 227.485 @ , \$ 226.803 @ , \$ 227.94 @ , \$ 223.998 @ , \$ 232.04 @ , \$ 242.809 @ ,  
\$ 241.443 @ , \$ 220.453 @ , \$  
2 @ , \$ 18.6073 @ , \$ 37.1668 @ , \$ 29.4754 @ , \$ 40.7994 @ , \$ 21.078 @ , \$ 23.6803 @ , \$ 31.6492 @ , \$ 23.4153  
@ , \$ 15.9672 @ , \$ 22.364 @ , \$  
3 @ , \$ 101.293 @ , \$ 112.744 @ , \$ 107.403 @ , \$ 122.93 @ , \$ 118.848 @ , \$ 110.661 @ , \$ 105.717 @ , \$ 118.677

@, \$ 112.858 @, \$ 101.844 @, \$ 4 @, \$ 155.603 @, \$ 140.773 @, \$ 147.828 @, \$ 155.39 @, \$ 140.37 @, \$ 157.763 @, \$ 154.205 @, \$ 150.595 @, \$ 150.191 @, \$ 149.016 @, \$ 5 @, \$ 186.711 @, \$ 195.906 @, \$ 180.849 @, \$ 185.19 @, \$ 198.256 @, \$ 213.025 @, \$ 186.882 @, \$ 180.357 @, \$ 182.672 @, \$ 179.441 @, \$ 6 @, \$ 105.712 @, \$ 123.298 @, \$ 102.962 @, \$ 113.952 @, \$ 122.605 @, \$ 115.919 @, \$ 117.762 @, \$ 113.619 @, \$ 112.395 @, \$ 126.752 @, \$ 7 @, \$ 103.132 @, \$ 107.017 @, \$ 118.173 @, \$ 121.51 @, \$ 118.086 @, \$ 132.962 @, \$ 103.264 @, \$ 118.796 @, \$ 122.708 @, \$ 99.6672 @, \$ 8 @, \$ 55.6574 @, \$ 45.2543 @, \$ 44.8602 @, \$ 49.463 @, \$ 52.6183 @, \$ 47.4604 @, \$ 44.8875 @, \$ 66.3208 @, \$ 55.6255 @, \$ 57.5765 @, \$ 9 @, \$ 7.58879 @, \$ 8.34547 @, \$ -0.253301 @, \$ 9.22258 @, \$ 16.0903 @, \$ 8.83499 @, \$ 9.19742 @, \$ 5.3863 @, \$ 5.41274 @, \$ 2.52357 @, \$ 10 @, \$ 205.451 @, \$ 202.301 @, \$ 204.863 @, \$ 203.762 @, \$ 203.747 @, \$ 226.464 @, \$ 201.453 @, \$ 202.072 @, \$ 203.457 @, \$ 199.175 @, \$ 11 @, \$ 102.949 @, \$ 89.0823 @, \$ 108.398 @, \$ 98.6226 @, \$ 101.456 @, \$ 102.768 @, \$ 108.772 @, \$ 97.4933 @, \$ 93.7122 @, \$ 101.665 @, \$ 12 @, \$ 187.619 @, \$ 172.975 @, \$ 182.125 @, \$ 176.152 @, \$ 185.03 @, \$ 190.201 @, \$ 177.669 @, \$ 183.01 @, \$ 185.155 @, \$ 179.009 @, \$ 13 @, \$ 199.935 @, \$ 182.647 @, \$ 189.485 @, \$ 188.622 @, \$ 191.207 @, \$ 205.257 @, \$ 183.378 @, \$ 187.186 @, \$ 187.833 @, \$ 187.444 @, \$ 14 @, \$ 22.7189 @, \$ 24.4615 @, \$ 9.22619 @, \$ 13.4011 @, \$ 31.2739 @, \$ 4.54481 @, \$ 9.94208 @, \$ 19.577 @, \$ 21.2171 @, \$ 12.8226 @, \$ 15 @, \$ 22.3891 @, \$ 17.2765 @, \$ 16.326 @, \$ 23.1137 @, \$ 22.1746 @, \$ 31.3313 @, \$ 20.5035 @, \$ 3.06559 @, \$ 7.90219 @, \$ 13.8494 @, \$

EE20B085

Alpha = 0.0351423

post anova t-test pairs after sorting the sample means in descending order

3,7

12,15

1 @, \$ 55.9792 @, \$ 33.6062 @, \$ 40.2209 @, \$ 45.0603 @, \$ 45.4204 @, \$ 40.9986 @, \$ 42.795 @, \$ 56.1125 @, \$ 32.2698 @, \$ 23.4701 @, \$ 2 @, \$ 288.847 @, \$ 289.509 @, \$ 292.203 @, \$ 303.511 @, \$ 295.408 @, \$ 296.004 @, \$ 295.381 @, \$ 289.439 @, \$ 291.456 @, \$ 266.008 @, \$ 3 @, \$ 81.9629 @, \$ 76.0951 @, \$ 87.022 @, \$ 81.3659 @, \$ 82.1343 @, \$ 93.2246 @, \$ 82.4331 @, \$ 92.9394 @, \$ 87.0347 @, \$ 97.2642 @, \$ 4 @, \$ 206.103 @, \$ 204.659 @, \$ 214.387 @, \$ 224.705 @, \$ 202.728 @, \$ 215.581 @, \$ 225.261 @, \$ 210.378 @, \$ 212.032 @, \$ 221.115 @, \$ 5 @, \$ 32.4326 @, \$ 33.6573 @, \$ 33.3431 @, \$ 40.8859 @, \$ 27.9441 @, \$ 50.2539 @, \$ 30.9477 @, \$ 32.0107 @, \$ 35.0697 @, \$ 33.617 @, \$ 6 @, \$ 165.866 @, \$ 166.145 @, \$ 178.867 @, \$ 172.487 @, \$ 174.989 @, \$ 201.94 @, \$ 174.323 @, \$ 175.745 @, \$ 185.546 @, \$ 149.609 @, \$ 7 @, \$ 260.414 @, \$ 281.629 @, \$ 267.002 @, \$ 266.633 @, \$ 270.571 @, \$ 297.093 @, \$ 283.042 @, \$ 285.112 @, \$ 274.679 @, \$ 267.673 @, \$ 8 @, \$ 175.739 @, \$ 154.81 @, \$ 159.503 @, \$ 188.415 @, \$ 173.48 @, \$ 171.545 @, \$ 182.282 @, \$ 169.942 @, \$ 175.438 @, \$ 182.809 @, \$ 9 @, \$ 61.7781 @, \$ 65.1445 @, \$ 58.1419 @, \$ 59.1418 @, \$ 74.1636 @, \$ 75.4456 @, \$ 63.8585 @, \$ 58.4118 @, \$ 59.8669 @, \$ 55.2809 @, \$ 10 @, \$ 199.064 @, \$ 223.042 @, \$ 182.709 @, \$ 216.468 @, \$ 205.871 @, \$ 236.676 @, \$ 212.649 @, \$ 221.818 @, \$ 209.565 @, \$ 194.817 @, \$ 11 @, \$ 221.413 @, \$ 226.283 @, \$ 220.525 @, \$ 226.41 @, \$ 230.233 @, \$ 258.127 @, \$ 236.608 @, \$ 235.626 @, \$ 219.862 @, \$ 229.042 @, \$

12 @ , \$ 221.34 @ , \$ 219.168 @ , \$ 232.008 @ , \$ 226.534 @ , \$ 216.468 @ , \$ 213.238 @ , \$ 219.16 @ , \$ 220.723 @ , \$ 215.044 @ , \$ 221.919 @ , \$ 13 @ , \$ 179.879 @ , \$ 192.541 @ , \$ 177.759 @ , \$ 182.091 @ , \$ 165.217 @ , \$ 199.256 @ , \$ 186.866 @ , \$ 187.763 @ , \$ 164.923 @ , \$ 185.187 @ , \$ 14 @ , \$ 8.94514 @ , \$ 6.62374 @ , \$ 30.5322 @ , \$ -1.39982 @ , \$ 20.6456 @ , \$ 30.933 @ , \$ 8.02605 @ , \$ 7.28522 @ , \$ 3.70473 @ , \$ 2.3654 @ , \$ 15 @ , \$ 170.269 @ , \$ 176.779 @ , \$ 173.213 @ , \$ 152.195 @ , \$ 182.124 @ , \$ 187.997 @ , \$ 162.58 @ , \$ 180.186 @ , \$ 170.23 @ , \$ 170.61 @ , \$

## EE20B097

Alpha = 0.0667851

post anova t-test pairs after sorting the sample means in descending order

3,4

10,15

1 @ , \$ 53.8594 @ , \$ 54.2185 @ , \$ 54.0346 @ , \$ 54.0843 @ , \$ 53.6984 @ , \$ 71.2217 @ , \$ 54.3151 @ , \$ 53.7563 @ , \$ 54.015 @ , \$ 54.3202 @ , \$ 2 @ , \$ 289.206 @ , \$ 283.591 @ , \$ 284.941 @ , \$ 287.782 @ , \$ 294.505 @ , \$ 309.111 @ , \$ 297.431 @ , \$ 296.272 @ , \$ 303.453 @ , \$ 294.677 @ , \$ 3 @ , \$ 86.461 @ , \$ 96.0307 @ , \$ 94.4093 @ , \$ 98.3086 @ , \$ 94.3104 @ , \$ 120.815 @ , \$ 92.5421 @ , \$ 100.234 @ , \$ 93.2082 @ , \$ 91.2834 @ , \$ 4 @ , \$ 23.3069 @ , \$ 16.1074 @ , \$ 27.6915 @ , \$ 18.2469 @ , \$ 36.0629 @ , \$ 45.7231 @ , \$ 5.16143 @ , \$ 9.01793 @ , \$ 14.9943 @ , \$ 15.9114 @ , \$ 5 @ , \$ 101.62 @ , \$ 103.048 @ , \$ 100.627 @ , \$ 101.046 @ , \$ 101.68 @ , \$ 97.0866 @ , \$ 101.771 @ , \$ 101.659 @ , \$ 101.132 @ , \$ 102.498 @ , \$ 6 @ , \$ 254.352 @ , \$ 251.415 @ , \$ 237.236 @ , \$ 247.185 @ , \$ 247.428 @ , \$ 260.693 @ , \$ 254.515 @ , \$ 237.725 @ , \$ 243.838 @ , \$ 239.842 @ , \$ 7 @ , \$ 75.8008 @ , \$ 69.821 @ , \$ 76.7319 @ , \$ 79.9814 @ , \$ 80.592 @ , \$ 91.2473 @ , \$ 68.7026 @ , \$ 82.252 @ , \$ 67.8741 @ , \$ 74.064 @ , \$ 8 @ , \$ 127.042 @ , \$ 121.744 @ , \$ 125.826 @ , \$ 123.022 @ , \$ 125.347 @ , \$ 140.641 @ , \$ 125.193 @ , \$ 127.171 @ , \$ 133.068 @ , \$ 119.703 @ , \$ 9 @ , \$ 30.4711 @ , \$ 32.068 @ , \$ 30.3538 @ , \$ 32.2659 @ , \$ 35.9967 @ , \$ 41.2162 @ , \$ 17.78 @ , \$ 37.7785 @ , \$ 25.5292 @ , \$ 13.7311 @ , \$ 10 @ , \$ 170.808 @ , \$ 208.641 @ , \$ 196.515 @ , \$ 186.41 @ , \$ 199.979 @ , \$ 192.841 @ , \$ 192.952 @ , \$ 195.238 @ , \$ 185.107 @ , \$ 193.449 @ , \$ 11 @ , \$ 122.321 @ , \$ 125.783 @ , \$ 120.817 @ , \$ 115.333 @ , \$ 123.235 @ , \$ 141.489 @ , \$ 124.344 @ , \$ 123.429 @ , \$ 124.824 @ , \$ 125.076 @ , \$ 12 @ , \$ 22.0223 @ , \$ 29.0535 @ , \$ 17.3346 @ , \$ 27.8974 @ , \$ 25.1963 @ , \$ 14.5903 @ , \$ 40.2981 @ , \$ 16.6737 @ , \$ 31.3602 @ , \$ 12.9087 @ , \$ 13 @ , \$ 226.981 @ , \$ 221.8 @ , \$ 222.628 @ , \$ 227.461 @ , \$ 216.315 @ , \$ 231.8 @ , \$ 228.108 @ , \$ 230.589 @ , \$ 232.009 @ , \$ 226.113 @ , \$ 14 @ , \$ 109.677 @ , \$ 123.057 @ , \$ 113.404 @ , \$ 99.1521 @ , \$ 103.624 @ , \$ 93.2005 @ , \$ 97.475 @ , \$ 96.18 @ , \$ 93.4214 @ , \$ 109.699 @ , \$ 15 @ , \$ 273.307 @ , \$ 279.181 @ , \$ 290.68 @ , \$ 282.51 @ , \$ 287.267 @ , \$ 291.314 @ , \$ 277.047 @ , \$ 274.835 @ , \$ 264.753 @ , \$ 285.142 @ , \$

## EE20B114

Alpha = 0.0977324

post anova t-test pairs after sorting the sample means in descending order

1,8

11,14

1 @ , \$ 232.26 @ , \$ 243.096 @ , \$ 234.799 @ , \$ 229.569 @ , \$ 238.67 @ , \$ 230.767 @ , \$ 224.333 @ , \$ 244.755 @ , \$ 239.599 @ , \$ 250.044 @ , \$

2 @ , \$ 232.21 @ , \$ 230.956 @ , \$ 242.821 @ , \$ 242.639 @ , \$ 212.194 @ , \$ 232.88 @ , \$ 223.096 @ , \$ 217.477 @ , \$ 249.631 @ , \$ 228.123 @ , \$ 3 @ , \$ 189.53 @ , \$ 192.066 @ , \$ 216.039 @ , \$ 211.823 @ , \$ 207.318 @ , \$ 209.086 @ , \$ 205.707 @ , \$ 198.438 @ , \$ 212.551 @ , \$ 206.87 @ , \$ 4 @ , \$ 291.081 @ , \$ 282.915 @ , \$ 290.29 @ , \$ 285.526 @ , \$ 282.765 @ , \$ 281.132 @ , \$ 281.319 @ , \$ 278.636 @ , \$ 278.921 @ , \$ 289.353 @ , \$ 5 @ , \$ 293.144 @ , \$ 304.592 @ , \$ 295.356 @ , \$ 293.095 @ , \$ 299.513 @ , \$ 304.442 @ , \$ 294.7 @ , \$ 304.775 @ , \$ 305.152 @ , \$ 286.28 @ , \$ 6 @ , \$ 18.4585 @ , \$ 47.315 @ , \$ 45.39 @ , \$ 46.3003 @ , \$ 50.6942 @ , \$ 45.3433 @ , \$ 48.8109 @ , \$ 38.1078 @ , \$ 45.037 @ , \$ 40.4083 @ , \$ 7 @ , \$ 44.9235 @ , \$ 49.4381 @ , \$ 41.2942 @ , \$ 45.5139 @ , \$ 56.5784 @ , \$ 34.9866 @ , \$ 33.5599 @ , \$ 41.9867 @ , \$ 36.9432 @ , \$ 38.8644 @ , \$ 8 @ , \$ 181.592 @ , \$ 187.223 @ , \$ 175.165 @ , \$ 191.221 @ , \$ 193.471 @ , \$ 189.899 @ , \$ 184.22 @ , \$ 175.482 @ , \$ 169.811 @ , \$ 170.217 @ , \$ 9 @ , \$ 277.566 @ , \$ 263.116 @ , \$ 261.819 @ , \$ 286.784 @ , \$ 276.551 @ , \$ 265.79 @ , \$ 269.089 @ , \$ 271.973 @ , \$ 267.931 @ , \$ 270.414 @ , \$ 10 @ , \$ 4.93589 @ , \$ 6.88498 @ , \$ 15.9166 @ , \$ 1.07889 @ , \$ 1.60048 @ , \$ 19.7441 @ , \$ 8.23511 @ , \$ -3.26633 @ , \$ 5.64736 @ , \$ 14.621 @ , \$ 11 @ , \$ 37.3996 @ , \$ 36.111 @ , \$ 43.9096 @ , \$ 39.7565 @ , \$ 37.24 @ , \$ 50.0958 @ , \$ 37.6531 @ , \$ 36.5739 @ , \$ 40.4009 @ , \$ 35.605 @ , \$ 12 @ , \$ 231.174 @ , \$ 227.433 @ , \$ 231.57 @ , \$ 226.411 @ , \$ 224.654 @ , \$ 223.147 @ , \$ 230.882 @ , \$ 230.102 @ , \$ 223.882 @ , \$ 222.625 @ , \$ 13 @ , \$ 89.1341 @ , \$ 84.6427 @ , \$ 81.7465 @ , \$ 79.3473 @ , \$ 85.2627 @ , \$ 113.586 @ , \$ 84.2977 @ , \$ 85.8607 @ , \$ 81.6685 @ , \$ 61.8201 @ , \$ 14 @ , \$ 289.349 @ , \$ 283.492 @ , \$ 285.132 @ , \$ 284.439 @ , \$ 279.97 @ , \$ 275.252 @ , \$ 267.964 @ , \$ 289.795 @ , \$ 284.946 @ , \$ 273.807 @ , \$ 15 @ , \$ 196.665 @ , \$ 194.544 @ , \$ 175.729 @ , \$ 197.935 @ , \$ 174.025 @ , \$ 216.455 @ , \$ 189.914 @ , \$ 210.841 @ , \$ 173.482 @ , \$ 178.478 @ , \$

EE20B123

Alpha = 0.0650677

post anova t-test pairs after sorting the sample means in descending order

3,5

10,13

1 @ , \$ 135.521 @ , \$ 164.049 @ , \$ 154.957 @ , \$ 133.728 @ , \$ 149.7 @ , \$ 132.707 @ , \$ 140.566 @ , \$ 142.136 @ , \$ 159.006 @ , \$ 139.259 @ , \$ 2 @ , \$ 101.432 @ , \$ 98.6935 @ , \$ 109.96 @ , \$ 90.1769 @ , \$ 94.9599 @ , \$ 107.216 @ , \$ 81.2895 @ , \$ 88.7899 @ , \$ 94.1908 @ , \$ 95.2276 @ , \$ 3 @ , \$ 285.035 @ , \$ 297.998 @ , \$ 282.149 @ , \$ 298.098 @ , \$ 286.024 @ , \$ 306.882 @ , \$ 301.307 @ , \$ 281.129 @ , \$ 281.753 @ , \$ 299.79 @ , \$ 4 @ , \$ 73.4497 @ , \$ 74.3388 @ , \$ 75.1623 @ , \$ 73.3143 @ , \$ 71.5982 @ , \$ 72.0629 @ , \$ 71.0553 @ , \$ 73.4311 @ , \$ 72.7123 @ , \$ 72.5284 @ , \$ 5 @ , \$ 213.103 @ , \$ 220.542 @ , \$ 219.305 @ , \$ 220.321 @ , \$ 215.051 @ , \$ 241.397 @ , \$ 216.695 @ , \$ 220.609 @ , \$ 215.673 @ , \$ 217.52 @ , \$ 6 @ , \$ 158.598 @ , \$ 130.007 @ , \$ 147.633 @ , \$ 140.359 @ , \$ 147.388 @ , \$ 151.314 @ , \$ 144.261 @ , \$ 139.848 @ , \$ 146.83 @ , \$ 142.859 @ , \$ 7 @ , \$ 153.491 @ , \$ 147.75 @ , \$ 147.008 @ , \$ 156.497 @ , \$ 160.048 @ , \$ 166.998 @ , \$ 150.762 @ , \$ 153.608 @ , \$ 150.31 @ , \$ 152.828 @ , \$ 8 @ , \$ 22.9722 @ , \$ 8.07152 @ , \$ 19.5328 @ , \$ 39.8215 @ , \$ 29.6194 @ , \$ 31.721 @ , \$ 13.8799 @ , \$ 22.6137 @ , \$ 24.5479 @ , \$ 16.7325 @ , \$ 9 @ , \$ 108.001 @ , \$ 107.794 @ , \$ 105.458 @ , \$ 104.032 @ , \$ 109.016 @ , \$ 106.512 @ , \$ 106.262 @ , \$ 103.938 @ , \$ 102.943 @ , \$ 106.255 @ , \$ 10 @ , \$ 227.918 @ , \$ 239.166 @ , \$ 251.283 @ , \$ 240.088 @ , \$ 232.166 @ , \$ 263.403 @ , \$ 260.244 @ , \$

214.225 @, \$ 233.445 @, \$ 232.556 @, \$  
11 @, \$ 228.507 @, \$ 229.284 @, \$ 237.212 @, \$ 234.383 @, \$ 222.347 @, \$ 236.653 @, \$ 235.775 @, \$  
235.476 @, \$ 237.339 @, \$ 233.419 @, \$  
12 @, \$ 278.2 @, \$ 275.325 @, \$ 278.527 @, \$ 268.688 @, \$ 273.997 @, \$ 300.567 @, \$ 277.507 @, \$ 265.869  
@, \$ 266.311 @, \$ 273.539 @, \$  
13 @, \$ 157.017 @, \$ 151.49 @, \$ 145.74 @, \$ 142.742 @, \$ 147.42 @, \$ 158.932 @, \$ 151.34 @, \$ 140.758 @,  
\$ 152.913 @, \$ 155.992 @, \$  
14 @, \$ 157.209 @, \$ 159.871 @, \$ 171.35 @, \$ 144.087 @, \$ 169.491 @, \$ 179.907 @, \$ 171.964 @, \$ 167.923  
@, \$ 168.163 @, \$ 155.757 @, \$  
15 @, \$ 74.0447 @, \$ 68.0617 @, \$ 68.7743 @, \$ 76.4556 @, \$ 76.1769 @, \$ 74.9991 @, \$ 68.3669 @, \$  
72.3263 @, \$ 71.6431 @, \$ 77.5159 @, \$

EE20B132

Alpha = 0.0496054

post anova t-test pairs after sorting the sample means in descending order

2,7

12,15

1 @, \$ 31.0748 @, \$ 18.2901 @, \$ 32.9913 @, \$ 41.6433 @, \$ 32.016 @, \$ 27.8711 @, \$ 38.6891 @, \$ 29.5505  
@, \$ 42.1879 @, \$ 29.3507 @, \$  
2 @, \$ 129.247 @, \$ 130.663 @, \$ 130.393 @, \$ 122.387 @, \$ 126.439 @, \$ 143.32 @, \$ 126.933 @, \$ 136.503  
@, \$ 122.566 @, \$ 114.856 @, \$  
3 @, \$ 67.7118 @, \$ 78.0073 @, \$ 71.1899 @, \$ 65.2188 @, \$ 63.154 @, \$ 89.7116 @, \$ 68.3946 @, \$ 69.4945  
@, \$ 67.208 @, \$ 64.3912 @, \$  
4 @, \$ 156.822 @, \$ 151.969 @, \$ 159.078 @, \$ 155.684 @, \$ 165.078 @, \$ 170.423 @, \$ 158.861 @, \$ 162.491  
@, \$ 148.94 @, \$ 167.055 @, \$  
5 @, \$ 85.5438 @, \$ 93.9765 @, \$ 98.209 @, \$ 92.4385 @, \$ 98.1724 @, \$ 119.722 @, \$ 87.9819 @, \$ 92.4097  
@, \$ 87.9763 @, \$ 87.2427 @, \$  
6 @, \$ 177.857 @, \$ 173.423 @, \$ 171.367 @, \$ 175.091 @, \$ 172.021 @, \$ 181.393 @, \$ 175.484 @, \$ 182.301  
@, \$ 177.582 @, \$ 170.897 @, \$  
7 @, \$ 194.509 @, \$ 208.195 @, \$ 201.339 @, \$ 190.959 @, \$ 199.353 @, \$ 212.585 @, \$ 198.169 @, \$ 181.671  
@, \$ 216.643 @, \$ 197.27 @, \$  
8 @, \$ 290.192 @, \$ 288.042 @, \$ 312.409 @, \$ 295.193 @, \$ 298.365 @, \$ 319.965 @, \$ 301.614 @, \$ 302.987  
@, \$ 299.787 @, \$ 284.12 @, \$  
9 @, \$ 226.552 @, \$ 227.075 @, \$ 225.396 @, \$ 222.853 @, \$ 223.727 @, \$ 241.847 @, \$ 229.638 @, \$ 228.216  
@, \$ 220.309 @, \$ 226.347 @, \$  
10 @, \$ 85.6791 @, \$ 94.8746 @, \$ 79.5797 @, \$ 61.013 @, \$ 78.9082 @, \$ 78.8143 @, \$ 93.3113 @, \$ 71.6448  
@, \$ 83.1083 @, \$ 76.3443 @, \$  
11 @, \$ 95.8715 @, \$ 99.7863 @, \$ 98.2394 @, \$ 91.8965 @, \$ 96.2873 @, \$ 116.286 @, \$ 101.033 @, \$  
100.219 @, \$ 94.0249 @, \$ 97.3053 @, \$  
12 @, \$ 12.1888 @, \$ 18.2597 @, \$ 16.3069 @, \$ 15.5009 @, \$ 13.8057 @, \$ 22.7955 @, \$ 14.8352 @, \$  
16.5279 @, \$ 13.8905 @, \$ 13.9149 @, \$  
13 @, \$ 120.113 @, \$ 128.608 @, \$ 122.24 @, \$ 121.601 @, \$ 128.941 @, \$ 146.128 @, \$ 126.157 @, \$ 123.462  
@, \$ 122.692 @, \$ 123.337 @, \$  
14 @, \$ 115.282 @, \$ 125.036 @, \$ 120.161 @, \$ 123.964 @, \$ 117.566 @, \$ 142.435 @, \$ 129.222 @, \$  
127.186 @, \$ 113.175 @, \$ 120.726 @, \$  
15 @, \$ 37.4827 @, \$ 37.0697 @, \$ 53.7962 @, \$ 48.4624 @, \$ 44.9868 @, \$ 55.6223 @, \$ 44.7391 @, \$  
62.9488 @, \$ 46.4171 @, \$ 42.1306 @, \$

EE20B146

Alpha = 0.0914798

post anova t-test pairs after sorting the sample means in descending order

3,4

11,13

1 @ , \$ 115.063 @ , \$ 105.604 @ , \$ 102.939 @ , \$ 104.547 @ , \$ 116.875 @ , \$ 119.656 @ , \$ 101.838 @ , \$ 109.039 @ , \$ 109.817 @ , \$ 105.84 @ , \$ 2 @ , \$ 51.3309 @ , \$ 56.3018 @ , \$ 52.2329 @ , \$ 65.3857 @ , \$ 60.6351 @ , \$ 81.6349 @ , \$ 42.7488 @ , \$ 49.7437 @ , \$ 48.375 @ , \$ 55.9539 @ , \$ 3 @ , \$ 85.8507 @ , \$ 87.028 @ , \$ 77.4858 @ , \$ 82.2427 @ , \$ 90.6985 @ , \$ 102.387 @ , \$ 79.4974 @ , \$ 92.7622 @ , \$ 81.5701 @ , \$ 87.4833 @ , \$ 4 @ , \$ 102.764 @ , \$ 110.13 @ , \$ 90.785 @ , \$ 100.47 @ , \$ 88.1966 @ , \$ 103.987 @ , \$ 89.9015 @ , \$ 102.933 @ , \$ 91.8536 @ , \$ 91.192 @ , \$ 5 @ , \$ 111.607 @ , \$ 95.4996 @ , \$ 105.26 @ , \$ 123.858 @ , \$ 100.311 @ , \$ 112.489 @ , \$ 110.273 @ , \$ 115.249 @ , \$ 102.087 @ , \$ 97.7503 @ , \$ 6 @ , \$ 122.926 @ , \$ 136.629 @ , \$ 115.408 @ , \$ 126.566 @ , \$ 115.764 @ , \$ 125.651 @ , \$ 118.874 @ , \$ 130.387 @ , \$ 132.259 @ , \$ 137.077 @ , \$ 7 @ , \$ 233.197 @ , \$ 232.401 @ , \$ 239.607 @ , \$ 250.06 @ , \$ 233.797 @ , \$ 237.437 @ , \$ 250.404 @ , \$ 232.66 @ , \$ 228.565 @ , \$ 242.56 @ , \$ 8 @ , \$ 122.338 @ , \$ 128.063 @ , \$ 119.15 @ , \$ 119.859 @ , \$ 125.737 @ , \$ 138.415 @ , \$ 124.781 @ , \$ 119.655 @ , \$ 121.35 @ , \$ 122.284 @ , \$ 9 @ , \$ 46.4354 @ , \$ 44.0706 @ , \$ 47.3184 @ , \$ 51.306 @ , \$ 46.405 @ , \$ 27.9826 @ , \$ 52.2078 @ , \$ 51.8838 @ , \$ 49.5848 @ , \$ 46.4257 @ , \$ 10 @ , \$ 42.3337 @ , \$ 41.219 @ , \$ 31.8669 @ , \$ 25.5253 @ , \$ 36.9742 @ , \$ 50.5236 @ , \$ 45.292 @ , \$ 33.8363 @ , \$ 28.4996 @ , \$ 29.4255 @ , \$ 11 @ , \$ 242.16 @ , \$ 268.124 @ , \$ 260.768 @ , \$ 254.338 @ , \$ 251.2 @ , \$ 300.894 @ , \$ 255.409 @ , \$ 259.624 @ , \$ 256.488 @ , \$ 271.533 @ , \$ 12 @ , \$ 262.232 @ , \$ 258.329 @ , \$ 262.572 @ , \$ 261.064 @ , \$ 262.825 @ , \$ 280.557 @ , \$ 263.155 @ , \$ 260.886 @ , \$ 262.072 @ , \$ 259.423 @ , \$ 13 @ , \$ 64.1675 @ , \$ 75.2725 @ , \$ 69.8279 @ , \$ 68.803 @ , \$ 73.687 @ , \$ 66.5322 @ , \$ 57.2673 @ , \$ 53.2645 @ , \$ 72.6358 @ , \$ 80.5301 @ , \$ 14 @ , \$ 2.42238 @ , \$ 8.17618 @ , \$ 2.62938 @ , \$ 5.49196 @ , \$ 15.6175 @ , \$ 33.7618 @ , \$ 19.0151 @ , \$ 11.4018 @ , \$ -0.100817 @ , \$ 5.16309 @ , \$ 15 @ , \$ 219.962 @ , \$ 232.968 @ , \$ 219.736 @ , \$ 223.616 @ , \$ 216.296 @ , \$ 249.269 @ , \$ 224.869 @ , \$ 245.841 @ , \$ 234.778 @ , \$ 248.866 @ , \$

EP18B019

Alpha = 0.0908272

post anova t-test pairs after sorting the sample means in descending order

3,6

10,14

1 @ , \$ 153.509 @ , \$ 143.404 @ , \$ 151.858 @ , \$ 147.172 @ , \$ 136.802 @ , \$ 162.107 @ , \$ 149.28 @ , \$ 128.238 @ , \$ 152.612 @ , \$ 147.185 @ , \$ 2 @ , \$ 216.702 @ , \$ 215.506 @ , \$ 214.152 @ , \$ 227.275 @ , \$ 219.239 @ , \$ 245.914 @ , \$ 219.381 @ , \$ 217.44 @ , \$ 232.683 @ , \$ 221.146 @ , \$ 3 @ , \$ 149.704 @ , \$ 145.758 @ , \$ 161.832 @ , \$ 126.317 @ , \$ 163.552 @ , \$ 161.612 @ , \$ 159.056 @ , \$ 146.102 @ , \$ 133.315 @ , \$ 164.936 @ , \$ 4 @ , \$ 192.925 @ , \$ 181.241 @ , \$ 178.573 @ , \$ 197.974 @ , \$ 179.686 @ , \$ 193.606 @ , \$ 178.329 @ , \$ 187.522 @ , \$ 184.135 @ , \$ 194.554 @ , \$ 5 @ , \$ 138.614 @ , \$ 154.462 @ , \$ 121.591 @ , \$ 117.785 @ , \$ 124.414 @ , \$ 142.985 @ , \$ 123.266 @ , \$ 124.396 @ , \$ 128.239 @ , \$ 122.369 @ , \$ 6 @ , \$ 233.531 @ , \$ 230.598 @ , \$ 249.688 @ , \$ 227.194 @ , \$ 236.792 @ , \$ 258.268 @ , \$ 234.771 @ , \$ 241.798 @ , \$ 227.712 @ , \$ 232.407 @ , \$ 7 @ , \$ 93.2382 @ , \$ 73.2697 @ , \$ 59.8626 @ , \$ 60.8429 @ , \$ 61.5307 @ , \$ 92.6515 @ , \$ 56.1555 @ , \$ 50.943 @ , \$ 66.817 @ , \$ 77.6678 @ , \$ 8 @ , \$ 54.2399 @ , \$ 54.4705 @ , \$ 50.5528 @ , \$ 57.0043 @ , \$ 37.1105 @ , \$ 44.9038 @ , \$ 45.2789 @ , \$ 62.4249 @ , \$ 52.3072 @ , \$ 47.9174 @ , \$

9 @ , \$ 10.6475 @ , \$ -3.30455 @ , \$ -21.9532 @ , \$ -13.9573 @ , \$ 17.2766 @ , \$ 28.5513 @ , \$ -1.56899 @ , \$ -15.7427 @ , \$ 1.19377 @ , \$ -4.07077 @ , \$ 10 @ , \$ 148.11 @ , \$ 133.907 @ , \$ 141.925 @ , \$ 129.917 @ , \$ 135.909 @ , \$ 156.57 @ , \$ 134.954 @ , \$ 143.748 @ , \$ 141.557 @ , \$ 147.226 @ , \$ 11 @ , \$ 240.279 @ , \$ 265.811 @ , \$ 250.256 @ , \$ 253.528 @ , \$ 251.319 @ , \$ 247.229 @ , \$ 262.795 @ , \$ 253.999 @ , \$ 243.593 @ , \$ 242.812 @ , \$ 12 @ , \$ 101.161 @ , \$ 111.217 @ , \$ 102.263 @ , \$ 98.3558 @ , \$ 107.606 @ , \$ 114.115 @ , \$ 117.101 @ , \$ 106.253 @ , \$ 109.622 @ , \$ 107.166 @ , \$ 13 @ , \$ 282.79 @ , \$ 290 @ , \$ 288.446 @ , \$ 287.927 @ , \$ 290.276 @ , \$ 288.862 @ , \$ 284.923 @ , \$ 280.511 @ , \$ 286.008 @ , \$ 290.762 @ , \$ 14 @ , \$ 200.406 @ , \$ 199.661 @ , \$ 198.964 @ , \$ 198.1 @ , \$ 198.462 @ , \$ 199.679 @ , \$ 199.309 @ , \$ 202.735 @ , \$ 201.254 @ , \$ 199.112 @ , \$ 15 @ , \$ 261.791 @ , \$ 297.34 @ , \$ 274.951 @ , \$ 268.344 @ , \$ 281.396 @ , \$ 298.259 @ , \$ 290.196 @ , \$ 289.013 @ , \$ 273.931 @ , \$ 271.007 @ , \$

EP19B015

Alpha = 0.0760311

post anova t-test pairs after sorting the sample means in descending order

2,5

11,14

1 @ , \$ 16.8401 @ , \$ -1.53514 @ , \$ 1.61451 @ , \$ 15.1156 @ , \$ 0.688433 @ , \$ 42.4529 @ , \$ 7.7252 @ , \$ 6.91242 @ , \$ 2.99474 @ , \$ 13.46 @ , \$ 2 @ , \$ 275.203 @ , \$ 268.316 @ , \$ 275.213 @ , \$ 279.111 @ , \$ 279.69 @ , \$ 293.348 @ , \$ 288.997 @ , \$ 281.39 @ , \$ 292.038 @ , \$ 291.379 @ , \$ 3 @ , \$ 288.163 @ , \$ 289.056 @ , \$ 288.927 @ , \$ 288.921 @ , \$ 288.687 @ , \$ 280.628 @ , \$ 288.974 @ , \$ 287.845 @ , \$ 288.406 @ , \$ 288.264 @ , \$ 4 @ , \$ 122.337 @ , \$ 125.516 @ , \$ 126.308 @ , \$ 117.165 @ , \$ 120.854 @ , \$ 124.949 @ , \$ 126.175 @ , \$ 118.585 @ , \$ 128.094 @ , \$ 125.759 @ , \$ 5 @ , \$ 209.932 @ , \$ 202.192 @ , \$ 192.135 @ , \$ 193.893 @ , \$ 201.597 @ , \$ 216.664 @ , \$ 201.324 @ , \$ 196.02 @ , \$ 200.753 @ , \$ 202.255 @ , \$ 6 @ , \$ 129.103 @ , \$ 145.154 @ , \$ 143.329 @ , \$ 136.961 @ , \$ 135.618 @ , \$ 154.325 @ , \$ 132.163 @ , \$ 141.067 @ , \$ 148.119 @ , \$ 159.393 @ , \$ 7 @ , \$ 50.7729 @ , \$ 45.9159 @ , \$ 39.7608 @ , \$ 47.4796 @ , \$ 40.6428 @ , \$ 55.97 @ , \$ 40.3867 @ , \$ 45.9059 @ , \$ 39.3357 @ , \$ 42.4025 @ , \$ 8 @ , \$ 208.998 @ , \$ 204.535 @ , \$ 197.201 @ , \$ 188.67 @ , \$ 206.118 @ , \$ 205.865 @ , \$ 212.467 @ , \$ 223.255 @ , \$ 222.307 @ , \$ 193.109 @ , \$ 9 @ , \$ 248.309 @ , \$ 246.715 @ , \$ 256.132 @ , \$ 243.166 @ , \$ 235.447 @ , \$ 261.466 @ , \$ 246.066 @ , \$ 236.845 @ , \$ 245.095 @ , \$ 246.629 @ , \$ 10 @ , \$ 291.086 @ , \$ 283.795 @ , \$ 291.814 @ , \$ 284.166 @ , \$ 284.325 @ , \$ 293.285 @ , \$ 278.401 @ , \$ 282.587 @ , \$ 279.847 @ , \$ 281.592 @ , \$ 11 @ , \$ 89.6369 @ , \$ 91.7924 @ , \$ 99.8243 @ , \$ 98.7062 @ , \$ 94.5911 @ , \$ 107.109 @ , \$ 92.5088 @ , \$ 86.7487 @ , \$ 92.8412 @ , \$ 97.3669 @ , \$ 12 @ , \$ 53.4153 @ , \$ 62.4566 @ , \$ 52.2939 @ , \$ 68.251 @ , \$ 56.6749 @ , \$ 89.133 @ , \$ 69.155 @ , \$ 70.7 @ , \$ 65.0927 @ , \$ 51.1452 @ , \$ 13 @ , \$ 124.977 @ , \$ 143.028 @ , \$ 116.986 @ , \$ 130.44 @ , \$ 128.782 @ , \$ 147.186 @ , \$ 133.897 @ , \$ 125.416 @ , \$ 121.172 @ , \$ 123.829 @ , \$ 14 @ , \$ 245.161 @ , \$ 249.599 @ , \$ 260.988 @ , \$ 253.358 @ , \$ 254.928 @ , \$ 255.121 @ , \$ 247.168 @ , \$ 241.819 @ , \$ 252.494 @ , \$ 250.445 @ , \$ 15 @ , \$ 170.435 @ , \$ 178.51 @ , \$ 177.921 @ , \$ 181.411 @ , \$ 177.288 @ , \$ 191.949 @ , \$ 178.273 @ , \$ 170.548 @ , \$ 180.489 @ , \$ 174.91 @ , \$

EP19B019

Alpha = 0.0413015

post anova t-test pairs after sorting the sample means in descending order

1,5

12,15

1 @ , \$ 306.513 @ , \$ 290.685 @ , \$ 284.84 @ , \$ 293.697 @ , \$ 288.124 @ , \$ 307.285 @ , \$ 306.23 @ , \$ 309.02 @ ,  
\$ 298.796 @ , \$ 292.825 @ , \$  
2 @ , \$ 227.65 @ , \$ 231.516 @ , \$ 211.945 @ , \$ 226.99 @ , \$ 215.341 @ , \$ 216.146 @ , \$ 219.178 @ , \$ 212.601 @ ,  
\$ 202.583 @ , \$ 221.517 @ , \$  
3 @ , \$ 247.183 @ , \$ 252.351 @ , \$ 246.814 @ , \$ 248.439 @ , \$ 244.635 @ , \$ 264.37 @ , \$ 251.916 @ , \$ 243.884  
@ , \$ 248.867 @ , \$ 253.149 @ , \$  
4 @ , \$ 256.974 @ , \$ 261.04 @ , \$ 266.391 @ , \$ 255.821 @ , \$ 265.26 @ , \$ 259.299 @ , \$ 265.9 @ , \$ 266.997 @ , \$  
252.509 @ , \$ 252.794 @ , \$  
5 @ , \$ 167.545 @ , \$ 144.574 @ , \$ 166.537 @ , \$ 177.833 @ , \$ 149.21 @ , \$ 180.514 @ , \$ 167.113 @ , \$ 171.408  
@ , \$ 177.647 @ , \$ 167.51 @ , \$  
6 @ , \$ 11.7782 @ , \$ -4.29479 @ , \$ 21.0041 @ , \$ 11.2779 @ , \$ 7.60312 @ , \$ 25.6842 @ , \$ 10.2112 @ , \$ 29.5727  
@ , \$ 22.5059 @ , \$ 5.77258 @ , \$  
7 @ , \$ 197.467 @ , \$ 188.808 @ , \$ 215.199 @ , \$ 221.755 @ , \$ 186.848 @ , \$ 214.827 @ , \$ 184.421 @ , \$ 203.412  
@ , \$ 206.354 @ , \$ 202.016 @ , \$  
8 @ , \$ 202.825 @ , \$ 185.311 @ , \$ 196.947 @ , \$ 193.358 @ , \$ 204.419 @ , \$ 204.831 @ , \$ 204.921 @ , \$ 203.519  
@ , \$ 195.873 @ , \$ 181.502 @ , \$  
9 @ , \$ 267.37 @ , \$ 268.105 @ , \$ 264.635 @ , \$ 261.48 @ , \$ 262.34 @ , \$ 273.17 @ , \$ 264.197 @ , \$ 258.88 @ , \$  
257.112 @ , \$ 260.812 @ , \$  
10 @ , \$ 86.0213 @ , \$ 84.3308 @ , \$ 94.1276 @ , \$ 80.5288 @ , \$ 72.8846 @ , \$ 78.793 @ , \$ 95.6754 @ , \$ 82.7573  
@ , \$ 77.8923 @ , \$ 97.1411 @ , \$  
11 @ , \$ 159.344 @ , \$ 173.236 @ , \$ 166.158 @ , \$ 166.666 @ , \$ 166.006 @ , \$ 165.538 @ , \$ 165.044 @ , \$ 155.36  
@ , \$ 158.15 @ , \$ 159.333 @ , \$  
12 @ , \$ 296.045 @ , \$ 296.411 @ , \$ 293.548 @ , \$ 299.78 @ , \$ 295.685 @ , \$ 317.132 @ , \$ 304.216 @ , \$ 299.608  
@ , \$ 293.095 @ , \$ 305.563 @ , \$  
13 @ , \$ 204.235 @ , \$ 211.184 @ , \$ 203.039 @ , \$ 202.161 @ , \$ 203.596 @ , \$ 210.349 @ , \$ 212.721 @ , \$  
200.857 @ , \$ 199.085 @ , \$ 205.575 @ , \$  
14 @ , \$ 121.552 @ , \$ 121.095 @ , \$ 118.713 @ , \$ 118.918 @ , \$ 118.591 @ , \$ 124.558 @ , \$ 117.103 @ , \$  
120.967 @ , \$ 118.147 @ , \$ 119.827 @ , \$  
15 @ , \$ 143.326 @ , \$ 139.474 @ , \$ 159.468 @ , \$ 152.218 @ , \$ 140.844 @ , \$ 151.32 @ , \$ 135.171 @ , \$ 147.347  
@ , \$ 123.703 @ , \$ 132.825 @ , \$

EP19B029

Alpha = 0.0240009

post anova t-test pairs after sorting the sample means in descending order

3,4

9,13

1 @ , \$ 187.765 @ , \$ 196.306 @ , \$ 184.16 @ , \$ 193.91 @ , \$ 200.622 @ , \$ 209.115 @ , \$ 192.939 @ , \$ 181.478 @ ,  
\$ 217.654 @ , \$ 199.851 @ , \$  
2 @ , \$ 202.898 @ , \$ 191.09 @ , \$ 188.59 @ , \$ 189.032 @ , \$ 191.229 @ , \$ 182.108 @ , \$ 185.568 @ , \$ 177.345 @ ,  
\$ 177.68 @ , \$ 182.599 @ , \$  
3 @ , \$ 57.1407 @ , \$ 70.0922 @ , \$ 50.4902 @ , \$ 61.6601 @ , \$ 65.195 @ , \$ 66.4425 @ , \$ 58.7412 @ , \$ 49.3803  
@ , \$ 59.0968 @ , \$ 57.0523 @ , \$  
4 @ , \$ 9.05867 @ , \$ 15.4843 @ , \$ 11.0861 @ , \$ 5.23755 @ , \$ 5.42586 @ , \$ 32.4409 @ , \$ 14.5536 @ , \$ 6.63718  
@ , \$ -2.46751 @ , \$ 2.05673 @ , \$  
5 @ , \$ 90.4264 @ , \$ 102.976 @ , \$ 103.015 @ , \$ 112.689 @ , \$ 112.307 @ , \$ 138.346 @ , \$ 99.0436 @ , \$ 109.76  
@ , \$ 116.935 @ , \$ 99.1035 @ , \$  
6 @ , \$ 241.862 @ , \$ 241.319 @ , \$ 252.193 @ , \$ 237.614 @ , \$ 230.965 @ , \$ 261.219 @ , \$ 244.327 @ , \$ 254.897  
@ , \$ 245.838 @ , \$ 241.485 @ , \$  
7 @ , \$ 152.454 @ , \$ 150.505 @ , \$ 149.071 @ , \$ 144.661 @ , \$ 150.112 @ , \$ 154.286 @ , \$ 152.444 @ , \$ 144.189

@ , \$ 152.991 @ , \$ 149.959 @ , \$  
8 @ , \$ 20.0605 @ , \$ 37.7651 @ , \$ 33.0207 @ , \$ 26.1832 @ , \$ 30.9542 @ , \$ 56.4276 @ , \$ 25.7487 @ , \$ 34.2253  
@ , \$ 12.884 @ , \$ 45.2322 @ , \$  
9 @ , \$ 280.419 @ , \$ 284.516 @ , \$ 282.184 @ , \$ 272.419 @ , \$ 283.866 @ , \$ 282.951 @ , \$ 295.094 @ , \$ 277 @ ,  
\$ 285.343 @ , \$ 280.644 @ , \$  
10 @ , \$ 194.202 @ , \$ 184.659 @ , \$ 179.606 @ , \$ 185.844 @ , \$ 198.377 @ , \$ 194.482 @ , \$ 172.738 @ , \$  
175.082 @ , \$ 177.753 @ , \$ 193.32 @ , \$  
11 @ , \$ 30.4502 @ , \$ 24.5282 @ , \$ 48.9467 @ , \$ 31.0111 @ , \$ 45.0439 @ , \$ 53.6017 @ , \$ 25.2634 @ , \$  
41.5034 @ , \$ 41.2685 @ , \$ 13.3215 @ , \$  
12 @ , \$ 82.764 @ , \$ 82.1576 @ , \$ 87.3479 @ , \$ 76.718 @ , \$ 68.1674 @ , \$ 111.797 @ , \$ 101.141 @ , \$ 73.2092  
@ , \$ 72.9589 @ , \$ 80.5344 @ , \$  
13 @ , \$ 217.828 @ , \$ 229.297 @ , \$ 223.037 @ , \$ 225.814 @ , \$ 205.591 @ , \$ 237.801 @ , \$ 212.74 @ , \$ 224.345  
@ , \$ 222.165 @ , \$ 211.798 @ , \$  
14 @ , \$ -2.9338 @ , \$ -0.520248 @ , \$ 1.09186 @ , \$ 12.5206 @ , \$ 10.4269 @ , \$ 25.5031 @ , \$ 3.18791 @ , \$  
-4.09191 @ , \$ 18.6233 @ , \$ 1.61426 @ , \$  
15 @ , \$ 300.109 @ , \$ 291.622 @ , \$ 295.431 @ , \$ 291.848 @ , \$ 289.243 @ , \$ 311.028 @ , \$ 295.341 @ , \$  
294.551 @ , \$ 302.006 @ , \$ 286.072 @ , \$

EP20B014

Alpha = 0.0248023

post anova t-test pairs after sorting the sample means in descending order

1,4

9,13

1 @ , \$ 183.198 @ , \$ 181.379 @ , \$ 179.681 @ , \$ 179.305 @ , \$ 181.906 @ , \$ 201.638 @ , \$ 184.901 @ , \$ 180.152  
@ , \$ 184.373 @ , \$ 183.492 @ , \$  
2 @ , \$ 264.097 @ , \$ 256.578 @ , \$ 254.844 @ , \$ 253.099 @ , \$ 263.245 @ , \$ 268.111 @ , \$ 257.056 @ , \$ 255.163  
@ , \$ 246.551 @ , \$ 258.718 @ , \$  
3 @ , \$ 119.606 @ , \$ 120.002 @ , \$ 118.507 @ , \$ 128.604 @ , \$ 119.976 @ , \$ 108.667 @ , \$ 113.26 @ , \$ 125.324  
@ , \$ 130.931 @ , \$ 124.59 @ , \$  
4 @ , \$ 114.535 @ , \$ 105.487 @ , \$ 88.582 @ , \$ 103.537 @ , \$ 106.065 @ , \$ 119.262 @ , \$ 100.799 @ , \$ 112.714  
@ , \$ 102.611 @ , \$ 111.861 @ , \$  
5 @ , \$ 25.8639 @ , \$ 15.0257 @ , \$ 20.074 @ , \$ 12.9834 @ , \$ 40.282 @ , \$ 3.02361 @ , \$ 0.0618457 @ , \$ 4.52422  
@ , \$ 11.7837 @ , \$ 8.94509 @ , \$  
6 @ , \$ 107.682 @ , \$ 101.853 @ , \$ 100.193 @ , \$ 106.211 @ , \$ 102.709 @ , \$ 112.825 @ , \$ 118.666 @ , \$ 107.589  
@ , \$ 105.928 @ , \$ 105.782 @ , \$  
7 @ , \$ 259.088 @ , \$ 259.442 @ , \$ 262.459 @ , \$ 261.71 @ , \$ 261.099 @ , \$ 265.234 @ , \$ 260.756 @ , \$ 261.012  
@ , \$ 259.191 @ , \$ 260.241 @ , \$  
8 @ , \$ 86.0639 @ , \$ 85.0857 @ , \$ 90.6955 @ , \$ 82.9458 @ , \$ 81.7004 @ , \$ 109.708 @ , \$ 69.8135 @ , \$ 86.6012  
@ , \$ 84.7074 @ , \$ 79.2676 @ , \$  
9 @ , \$ 78.9748 @ , \$ 79.0417 @ , \$ 79.0059 @ , \$ 79.0843 @ , \$ 78.743 @ , \$ 80.6115 @ , \$ 78.421 @ , \$ 78.7893 @  
, \$ 78.8992 @ , \$ 78.4392 @ , \$  
10 @ , \$ 152.446 @ , \$ 131.749 @ , \$ 149.586 @ , \$ 155.843 @ , \$ 149.209 @ , \$ 147.401 @ , \$ 145.418 @ , \$  
149.009 @ , \$ 141.51 @ , \$ 140.701 @ , \$  
11 @ , \$ 109.464 @ , \$ 116.416 @ , \$ 107.042 @ , \$ 109.884 @ , \$ 110.459 @ , \$ 117.724 @ , \$ 109.997 @ , \$  
105.494 @ , \$ 115.992 @ , \$ 106.063 @ , \$  
12 @ , \$ 239.084 @ , \$ 241.138 @ , \$ 236.65 @ , \$ 237.367 @ , \$ 231.333 @ , \$ 244.804 @ , \$ 234.648 @ , \$ 234.564  
@ , \$ 243.523 @ , \$ 231.518 @ , \$  
13 @ , \$ 74.4648 @ , \$ 66.7397 @ , \$ 42.3608 @ , \$ 68.3749 @ , \$ 55.9799 @ , \$ 98.8813 @ , \$ 75.3675 @ , \$  
57.3658 @ , \$ 66.4973 @ , \$ 42.9696 @ , \$  
14 @ , \$ 69.6377 @ , \$ 65.6562 @ , \$ 53.4875 @ , \$ 64.7523 @ , \$ 52.0914 @ , \$ 95.267 @ , \$ 63.4608 @ , \$ 55.1926  
@ , \$ 61.4722 @ , \$ 63.2214 @ , \$  
15 @ , \$ 37.1515 @ , \$ 43.9973 @ , \$ 40.5157 @ , \$ 36.0038 @ , \$ 39.9003 @ , \$ 42.3889 @ , \$ 37.7328 @ , \$  
39.6747 @ , \$ 37.3817 @ , \$ 37.5249 @ , \$

EP20B016

Alpha = 0.0922424

post anova t-test pairs after sorting the sample means in descending order

2,4

11,14

1 @, \$ 68.9325 @, \$ 70.9808 @, \$ 70.1163 @, \$ 73.0925 @, \$ 70.3265 @, \$ 82.1142 @, \$ 72.9096 @, \$ 73.0947 @, \$ 70.3001 @, \$ 68.7826 @, \$  
2 @, \$ 54.5143 @, \$ 53.1929 @, \$ 54.8726 @, \$ 51.9611 @, \$ 55.9845 @, \$ 67.6159 @, \$ 50.9348 @, \$ 53.477 @, \$ 53.172 @, \$ 57.1901 @, \$  
3 @, \$ 277.737 @, \$ 267.856 @, \$ 272.221 @, \$ 277.666 @, \$ 264.124 @, \$ 302.79 @, \$ 280.853 @, \$ 275.29 @, \$ 280.075 @, \$ 265.459 @, \$  
4 @, \$ 247.524 @, \$ 245.235 @, \$ 240.841 @, \$ 260.993 @, \$ 258.116 @, \$ 247.035 @, \$ 258.42 @, \$ 236.914 @, \$ 244.331 @, \$ 257.45 @, \$  
5 @, \$ 302.775 @, \$ 302.081 @, \$ 289.608 @, \$ 301.954 @, \$ 297.145 @, \$ 304.434 @, \$ 293.908 @, \$ 299.379 @, \$ 302.825 @, \$ 290.51 @, \$  
6 @, \$ 113.016 @, \$ 108.496 @, \$ 114.8 @, \$ 127.514 @, \$ 103.397 @, \$ 145.203 @, \$ 110.386 @, \$ 106.795 @, \$ 112.768 @, \$ 100.834 @, \$  
7 @, \$ 111.496 @, \$ 82.9789 @, \$ 102.072 @, \$ 92.9514 @, \$ 97.724 @, \$ 123.639 @, \$ 114.62 @, \$ 109.964 @, \$ 103.962 @, \$ 100.367 @, \$  
8 @, \$ 277.087 @, \$ 284.962 @, \$ 268.535 @, \$ 287.463 @, \$ 280.805 @, \$ 291.1 @, \$ 259.794 @, \$ 280.62 @, \$ 270.474 @, \$ 269.486 @, \$  
9 @, \$ 115.097 @, \$ 115.617 @, \$ 116.56 @, \$ 117.94 @, \$ 116.681 @, \$ 136.279 @, \$ 116.554 @, \$ 114.835 @, \$ 117.543 @, \$ 117.055 @, \$  
10 @, \$ 116.422 @, \$ 115.6 @, \$ 115.667 @, \$ 111.279 @, \$ 114.462 @, \$ 130.272 @, \$ 119.814 @, \$ 116.044 @, \$ 114.61 @, \$ 110.918 @, \$  
11 @, \$ 66.5441 @, \$ 70.6724 @, \$ 59.7519 @, \$ 92.2653 @, \$ 80.7134 @, \$ 72.1358 @, \$ 62.126 @, \$ 71.0551 @, \$ 64.8066 @, \$ 53.6812 @, \$  
12 @, \$ 96.6235 @, \$ 93.7622 @, \$ 74.0781 @, \$ 95.3058 @, \$ 88.0358 @, \$ 95.2431 @, \$ 81.0112 @, \$ 83.9554 @, \$ 89.0628 @, \$ 80.8998 @, \$  
13 @, \$ 234.267 @, \$ 220.09 @, \$ 224.627 @, \$ 238.113 @, \$ 226.334 @, \$ 237.341 @, \$ 215.437 @, \$ 224.287 @, \$ 209.587 @, \$ 209.431 @, \$  
14 @, \$ 265.818 @, \$ 247.127 @, \$ 260.873 @, \$ 253.239 @, \$ 250.117 @, \$ 277.076 @, \$ 250.963 @, \$ 258.303 @, \$ 257.264 @, \$ 255.511 @, \$  
15 @, \$ 171.983 @, \$ 166.656 @, \$ 164.53 @, \$ 169.151 @, \$ 174.01 @, \$ 178.33 @, \$ 170.236 @, \$ 170.073 @, \$ 166.458 @, \$ 157.127 @, \$

EP20B020

Alpha = 0.0511428

post anova t-test pairs after sorting the sample means in descending order

1,5

11,14

1 @, \$ 257.607 @, \$ 243.684 @, \$ 249.094 @, \$ 244.321 @, \$ 243.527 @, \$ 275.153 @, \$ 243.371 @, \$ 238.422 @, \$ 254.651 @, \$ 243.136 @, \$  
2 @, \$ 87.6619 @, \$ 68.2871 @, \$ 81.0159 @, \$ 84.3678 @, \$ 69.8084 @, \$ 80.1034 @, \$ 74.8141 @, \$ 76.4871 @, \$ 80.2772 @, \$ 98.6188 @, \$  
3 @, \$ 255.926 @, \$ 257.304 @, \$ 257.059 @, \$ 250.621 @, \$ 253.152 @, \$ 251.245 @, \$ 244.422 @, \$ 243.742 @, \$ 235.942 @, \$ 257.141 @, \$  
4 @, \$ 247.443 @, \$ 243.712 @, \$ 252.408 @, \$ 248.371 @, \$ 248.48 @, \$ 261.679 @, \$ 261.367 @, \$ 251.879 @, \$ 242.874 @, \$ 245.923 @, \$  
5 @, \$ 108.013 @, \$ 108.419 @, \$ 109.058 @, \$ 117.319 @, \$ 117.836 @, \$ 129.53 @, \$ 115.575 @, \$ 118.056 @, \$ 104.122 @, \$ 97.2876 @, \$

6 @, \$ 73.0959 @, \$ 85.7297 @, \$ 97.5259 @, \$ 91.6155 @, \$ 92.8985 @, \$ 95.0158 @, \$ 89.3216 @, \$ 99.5234 @, \$ 83.7574 @, \$ 90.2478 @, \$ 7 @, \$ 218.548 @, \$ 236.703 @, \$ 240.523 @, \$ 233.016 @, \$ 223.366 @, \$ 221.721 @, \$ 217.061 @, \$ 214.872 @, \$ 227.883 @, \$ 215.454 @, \$ 8 @, \$ 105.053 @, \$ 113.481 @, \$ 107.513 @, \$ 114.245 @, \$ 100.019 @, \$ 120.922 @, \$ 104.588 @, \$ 114.035 @, \$ 102.234 @, \$ 111.853 @, \$ 9 @, \$ 243.879 @, \$ 249.587 @, \$ 256.96 @, \$ 244.324 @, \$ 237.511 @, \$ 253.444 @, \$ 242.721 @, \$ 232.237 @, \$ 235.536 @, \$ 244.085 @, \$ 10 @, \$ 63.0005 @, \$ 52.3252 @, \$ 53.0613 @, \$ 62.0337 @, \$ 54.4284 @, \$ 71.8487 @, \$ 59.4497 @, \$ 52.0952 @, \$ 61.7687 @, \$ 54.9438 @, \$ 11 @, \$ 290.245 @, \$ 286.637 @, \$ 287.295 @, \$ 286.128 @, \$ 287.893 @, \$ 300.6 @, \$ 283.133 @, \$ 288.844 @, \$ 285.001 @, \$ 287.727 @, \$ 12 @, \$ 227.974 @, \$ 224.671 @, \$ 224.449 @, \$ 225.272 @, \$ 225.915 @, \$ 228.576 @, \$ 229.088 @, \$ 228.502 @, \$ 223.867 @, \$ 227.816 @, \$ 13 @, \$ 236.3 @, \$ 229.226 @, \$ 239.353 @, \$ 251.775 @, \$ 240.974 @, \$ 263.923 @, \$ 248.315 @, \$ 236.539 @, \$ 244.98 @, \$ 258.544 @, \$ 14 @, \$ 143.638 @, \$ 129.331 @, \$ 145.535 @, \$ 144.061 @, \$ 136.628 @, \$ 144.095 @, \$ 140.615 @, \$ 151.17 @, \$ 137.663 @, \$ 141.786 @, \$ 15 @, \$ 143.219 @, \$ 146.334 @, \$ 144.032 @, \$ 129 @, \$ 147.383 @, \$ 138.897 @, \$ 133.05 @, \$ 140.498 @, \$ 146.051 @, \$ 135.76 @, \$

EP20B026

Alpha = 0.0327381

post anova t-test pairs after sorting the sample means in descending order

3,5

11,13

1 @, \$ 228.931 @, \$ 223.304 @, \$ 239.884 @, \$ 222.41 @, \$ 224.481 @, \$ 250.619 @, \$ 238.783 @, \$ 227.453 @, \$ 230.833 @, \$ 221.912 @, \$ 2 @, \$ 121.86 @, \$ 121.173 @, \$ 121.048 @, \$ 113.303 @, \$ 116.018 @, \$ 128.937 @, \$ 115.141 @, \$ 115.988 @, \$ 111.24 @, \$ 108.946 @, \$ 3 @, \$ 222.044 @, \$ 221.014 @, \$ 214.293 @, \$ 227.818 @, \$ 219.053 @, \$ 219.168 @, \$ 230.001 @, \$ 220.488 @, \$ 224.66 @, \$ 220.177 @, \$ 4 @, \$ 252.187 @, \$ 252.878 @, \$ 251.92 @, \$ 259.334 @, \$ 265.434 @, \$ 272.051 @, \$ 262.607 @, \$ 260.523 @, \$ 254.682 @, \$ 253.285 @, \$ 5 @, \$ 30.1489 @, \$ 22.0719 @, \$ 30.4601 @, \$ 19.7512 @, \$ 40.7726 @, \$ 29.9513 @, \$ 34.3689 @, \$ 34.7078 @, \$ 40.684 @, \$ 30.306 @, \$ 6 @, \$ 74.3255 @, \$ 62.3349 @, \$ 77.3097 @, \$ 74.1909 @, \$ 71.0603 @, \$ 72.1925 @, \$ 61.8848 @, \$ 69.3519 @, \$ 63.3509 @, \$ 62.0506 @, \$ 7 @, \$ 233.009 @, \$ 228.21 @, \$ 233.515 @, \$ 238.492 @, \$ 242.593 @, \$ 263.294 @, \$ 231.28 @, \$ 236.279 @, \$ 232.631 @, \$ 237.987 @, \$ 8 @, \$ -9.26631 @, \$ 5.57746 @, \$ 9.48314 @, \$ 10.1003 @, \$ 6.17773 @, \$ 19.7483 @, \$ 2.66557 @, \$ 6.72323 @, \$ -13.3674 @, \$ 4.81808 @, \$ 9 @, \$ 136.978 @, \$ 141.656 @, \$ 132.09 @, \$ 165.258 @, \$ 144.605 @, \$ 136.368 @, \$ 129.413 @, \$ 125.76 @, \$ 111.795 @, \$ 144.934 @, \$ 10 @, \$ 41.3886 @, \$ 51.6925 @, \$ 38.1555 @, \$ 33.4181 @, \$ 33.3374 @, \$ 63.9393 @, \$ 42.2751 @, \$ 26.6674 @, \$ 42.3835 @, \$ 47.9025 @, \$ 11 @, \$ 223.605 @, \$ 208.756 @, \$ 220.391 @, \$ 202.834 @, \$ 204.478 @, \$ 236.57 @, \$ 193.094 @, \$ 215.986 @, \$ 210.304 @, \$ 210.138 @, \$ 12 @, \$ 104.821 @, \$ 104.973 @, \$ 100.226 @, \$ 103.854 @, \$ 103.291 @, \$ 103.068 @, \$ 97.7295 @, \$ 101.234 @, \$ 106.177 @, \$ 94.5984 @, \$ 13 @, \$ 31.6472 @, \$ 28.8519 @, \$ 27.8102 @, \$ 20.5657 @, \$ 25.9674 @, \$ 29.5965 @, \$ 25.0365 @, \$ 23.3544 @, \$ 28.559 @, \$ 25.9139 @, \$ 14 @, \$ 301.326 @, \$ 287.261 @, \$ 294.942 @, \$ 301.177 @, \$ 310.95 @, \$ 320.234 @, \$ 291.668 @, \$ 289.909

@ , \$ 298.999 @ , \$ 290.635 @ , \$  
15 @ , \$ 33.4878 @ , \$ 5.95078 @ , \$ 28.1145 @ , \$ 27.6729 @ , \$ 31.0758 @ , \$ 36.5643 @ , \$ 27.3301 @ , \$  
24.6821 @ , \$ 31.2409 @ , \$ 24.9935 @ , \$

EP20B039

Alpha = 0.0441358

post anova t-test pairs after sorting the sample means in descending order

1,8

11,14

1 @ , \$ 237.067 @ , \$ 242.15 @ , \$ 241.056 @ , \$ 245.283 @ , \$ 242.719 @ , \$ 246.977 @ , \$ 228.749 @ , \$ 236.807  
@ , \$ 241.883 @ , \$ 232.108 @ , \$  
2 @ , \$ 48.259 @ , \$ 46.8543 @ , \$ 45.368 @ , \$ 46.5476 @ , \$ 37.4232 @ , \$ 70.5264 @ , \$ 49.7317 @ , \$ 44.4044 @  
, \$ 61.3256 @ , \$ 48.3164 @ , \$  
3 @ , \$ 215.63 @ , \$ 215.28 @ , \$ 207.861 @ , \$ 197.471 @ , \$ 212.312 @ , \$ 224.966 @ , \$ 214.16 @ , \$ 194.784 @ ,  
\$ 223.936 @ , \$ 208.886 @ , \$  
4 @ , \$ 51.0996 @ , \$ 56.3632 @ , \$ 64.5444 @ , \$ 67.7302 @ , \$ 58.7326 @ , \$ 55.8681 @ , \$ 56.124 @ , \$ 40.8979  
@ , \$ 54.8412 @ , \$ 69.4324 @ , \$  
5 @ , \$ 9.95117 @ , \$ 11.481 @ , \$ -13.0069 @ , \$ 4.1439 @ , \$ -0.599663 @ , \$ 19.5736 @ , \$ -6.16151 @ , \$  
7.99771 @ , \$ -16.6301 @ , \$ 4.82983 @ , \$  
6 @ , \$ 229.503 @ , \$ 236.814 @ , \$ 230.457 @ , \$ 239.082 @ , \$ 233.061 @ , \$ 248.707 @ , \$ 229.68 @ , \$ 230.188  
@ , \$ 220.568 @ , \$ 227.03 @ , \$  
7 @ , \$ 33.1991 @ , \$ 28.7217 @ , \$ 19.1623 @ , \$ 21.17 @ , \$ 19.2257 @ , \$ 58.5645 @ , \$ 32.0727 @ , \$ 23.7412 @  
, \$ 31.3579 @ , \$ 39.2902 @ , \$  
8 @ , \$ 124.76 @ , \$ 120.775 @ , \$ 108.446 @ , \$ 138.564 @ , \$ 124.366 @ , \$ 148.699 @ , \$ 123.581 @ , \$ 129.61 @  
, \$ 109.796 @ , \$ 130.216 @ , \$  
9 @ , \$ 163.076 @ , \$ 173.188 @ , \$ 175.854 @ , \$ 166.386 @ , \$ 176.671 @ , \$ 188.793 @ , \$ 175.013 @ , \$ 180.062  
@ , \$ 173.765 @ , \$ 174.163 @ , \$  
10 @ , \$ 255.073 @ , \$ 238.138 @ , \$ 264.285 @ , \$ 261.871 @ , \$ 260.663 @ , \$ 261.686 @ , \$ 252.933 @ , \$  
251.214 @ , \$ 244.214 @ , \$ 244.118 @ , \$  
11 @ , \$ 245.688 @ , \$ 245.83 @ , \$ 248.172 @ , \$ 246.881 @ , \$ 253.753 @ , \$ 259.734 @ , \$ 252.261 @ , \$ 248.748  
@ , \$ 248.604 @ , \$ 239.217 @ , \$  
12 @ , \$ 45.3453 @ , \$ 36.3863 @ , \$ 39.9426 @ , \$ 41.3947 @ , \$ 34.9123 @ , \$ 43.3442 @ , \$ 40.3571 @ , \$  
9.87578 @ , \$ 28.0429 @ , \$ 29.8745 @ , \$  
13 @ , \$ 43.2168 @ , \$ 29.1474 @ , \$ 27.6403 @ , \$ 52.411 @ , \$ 24.914 @ , \$ 35.1491 @ , \$ 29.0623 @ , \$ 24.4041  
@ , \$ 37.9705 @ , \$ 22.4581 @ , \$  
14 @ , \$ 63.6613 @ , \$ 51.3012 @ , \$ 42.1126 @ , \$ 45.7396 @ , \$ 56.4258 @ , \$ 49.329 @ , \$ 52.7087 @ , \$ 48.2544  
@ , \$ 40.1862 @ , \$ 54.7706 @ , \$  
15 @ , \$ 61.952 @ , \$ 76.9118 @ , \$ 69.5001 @ , \$ 68.0819 @ , \$ 74.8036 @ , \$ 95.0434 @ , \$ 74.2142 @ , \$ 73.5238  
@ , \$ 63.2109 @ , \$ 71.3725 @ , \$

EP20B041

Alpha = 0.0578682

post anova t-test pairs after sorting the sample means in descending order

2,7

12,13

1 @ , \$ 70.4803 @ , \$ 62.7909 @ , \$ 57.4545 @ , \$ 75.1735 @ , \$ 92.4181 @ , \$ 89.9377 @ , \$ 74.5824 @ , \$ 60.9157  
@ , \$ 71.763 @ , \$ 53.9593 @ , \$  
2 @ , \$ 260.617 @ , \$ 256.619 @ , \$ 258.244 @ , \$ 262.925 @ , \$ 259.219 @ , \$ 284.846 @ , \$ 273.115 @ , \$ 259.7 @  
, \$ 259.93 @ , \$ 253.77 @ , \$  
3 @ , \$ 170.625 @ , \$ 177.991 @ , \$ 172.841 @ , \$ 175.966 @ , \$ 175.263 @ , \$ 215.43 @ , \$ 161.918 @ , \$ 168.726  
@ , \$ 165.828 @ , \$ 165.605 @ , \$  
4 @ , \$ 155.449 @ , \$ 159.742 @ , \$ 153.349 @ , \$ 151.284 @ , \$ 144.647 @ , \$ 147.654 @ , \$ 152.051 @ , \$ 147.653

@, \$ 155.054 @, \$ 147.237 @, \$  
5 @, \$ 80.5488 @, \$ 65.7691 @, \$ 76.1412 @, \$ 85.0849 @, \$ 76.9919 @, \$ 91.5592 @, \$ 70.9544 @, \$ 91.6106  
@, \$ 86.9966 @, \$ 68.1673 @, \$  
6 @, \$ 77.9203 @, \$ 75.1527 @, \$ 88.9386 @, \$ 68.609 @, \$ 93.2839 @, \$ 100.434 @, \$ 75.2269 @, \$ 85.1369  
@, \$ 71.3828 @, \$ 63.6354 @, \$  
7 @, \$ 245.997 @, \$ 254.011 @, \$ 245.883 @, \$ 262.197 @, \$ 287.772 @, \$ 274.997 @, \$ 252.615 @, \$ 259.753  
@, \$ 251.272 @, \$ 271.4 @, \$  
8 @, \$ 42.8468 @, \$ 44.2144 @, \$ 53.4711 @, \$ 55.8664 @, \$ 57.2051 @, \$ 72.3959 @, \$ 41.6809 @, \$ 48.6579  
@, \$ 39.1184 @, \$ 44.4001 @, \$  
9 @, \$ 121.816 @, \$ 127.171 @, \$ 109.265 @, \$ 120.026 @, \$ 118.427 @, \$ 106.996 @, \$ 108.416 @, \$ 119.337  
@, \$ 106.509 @, \$ 115.465 @, \$  
10 @, \$ 209.869 @, \$ 197.301 @, \$ 210.614 @, \$ 207.274 @, \$ 218.6 @, \$ 212.155 @, \$ 218.707 @, \$ 212.716  
@, \$ 188.723 @, \$ 201.317 @, \$  
11 @, \$ 76.3138 @, \$ 75.6207 @, \$ 74.7238 @, \$ 75.1397 @, \$ 75.7297 @, \$ 76.5965 @, \$ 75.686 @, \$ 74.7013  
@, \$ 75.1817 @, \$ 75.0618 @, \$  
12 @, \$ 193.749 @, \$ 175.06 @, \$ 181.721 @, \$ 205.102 @, \$ 187.751 @, \$ 200.154 @, \$ 181.181 @, \$ 197.487  
@, \$ 181.002 @, \$ 195.56 @, \$  
13 @, \$ 197.685 @, \$ 198.1 @, \$ 201.834 @, \$ 201.574 @, \$ 201.44 @, \$ 212.499 @, \$ 197.207 @, \$ 196.688 @  
, \$ 200.176 @, \$ 199.995 @, \$  
14 @, \$ 120.489 @, \$ 105.024 @, \$ 116.83 @, \$ 115.595 @, \$ 110.44 @, \$ 129.592 @, \$ 119.901 @, \$ 116.213  
@, \$ 121.865 @, \$ 99.4553 @, \$  
15 @, \$ 245.052 @, \$ 233.142 @, \$ 237.578 @, \$ 229.077 @, \$ 227.445 @, \$ 250.591 @, \$ 230.602 @, \$  
238.209 @, \$ 230.924 @, \$ 241.185 @, \$

EP20B043

Alpha = 0.0917537

post anova t-test pairs after sorting the sample means in descending order

1,7

9,14

1 @, \$ 244.397 @, \$ 237.033 @, \$ 247.611 @, \$ 237.336 @, \$ 240.605 @, \$ 244.096 @, \$ 244.402 @, \$ 240.038  
@, \$ 233.617 @, \$ 238.889 @, \$  
2 @, \$ 207.342 @, \$ 197.696 @, \$ 205.97 @, \$ 204.66 @, \$ 210.44 @, \$ 227.956 @, \$ 206.199 @, \$ 207.579 @,  
\$ 201.172 @, \$ 194.208 @, \$  
3 @, \$ 116.661 @, \$ 118.04 @, \$ 121.848 @, \$ 106.385 @, \$ 110.169 @, \$ 125.164 @, \$ 108.505 @, \$ 106.119  
@, \$ 125.435 @, \$ 118.167 @, \$  
4 @, \$ 147.201 @, \$ 133.022 @, \$ 144.299 @, \$ 144.918 @, \$ 133.41 @, \$ 146.233 @, \$ 133.958 @, \$ 150.888  
@, \$ 159.681 @, \$ 147.021 @, \$  
5 @, \$ 157.709 @, \$ 166.236 @, \$ 161.121 @, \$ 156.972 @, \$ 156.416 @, \$ 172.338 @, \$ 171.989 @, \$ 165.182  
@, \$ 164.146 @, \$ 132.905 @, \$  
6 @, \$ 173.62 @, \$ 180.379 @, \$ 174.484 @, \$ 166.392 @, \$ 166.654 @, \$ 194.167 @, \$ 166.1 @, \$ 165.954 @,  
\$ 168.718 @, \$ 161.346 @, \$  
7 @, \$ 283.217 @, \$ 279.095 @, \$ 256.883 @, \$ 285.615 @, \$ 272.702 @, \$ 259.804 @, \$ 276.331 @, \$ 273.547  
@, \$ 276.081 @, \$ 286.159 @, \$  
8 @, \$ 288.213 @, \$ 299.946 @, \$ 296.881 @, \$ 290.211 @, \$ 310.1 @, \$ 301.703 @, \$ 309.116 @, \$ 295.548 @  
, \$ 306.227 @, \$ 295.013 @, \$  
9 @, \$ 4.56791 @, \$ 5.96897 @, \$ 13.719 @, \$ 23.8212 @, \$ 7.30285 @, \$ 36.2067 @, \$ 8.62863 @, \$ 15.589 @  
, \$ 16.3336 @, \$ 10.7158 @, \$  
10 @, \$ 189.271 @, \$ 175.574 @, \$ 184.498 @, \$ 179.754 @, \$ 182.908 @, \$ 200.723 @, \$ 181.47 @, \$ 176.424  
@, \$ 188.672 @, \$ 163.438 @, \$  
11 @, \$ 268.986 @, \$ 263.215 @, \$ 260.952 @, \$ 255.247 @, \$ 286.18 @, \$ 280.704 @, \$ 264.012 @, \$ 260.117  
@, \$ 254.859 @, \$ 276.389 @, \$  
12 @, \$ 157.83 @, \$ 170.354 @, \$ 149.713 @, \$ 168.573 @, \$ 166.26 @, \$ 184.132 @, \$ 165.371 @, \$ 166.651  
@, \$ 178.844 @, \$ 165.536 @, \$

13 @ , \$ 24.7559 @ , \$ 23.1953 @ , \$ 22.4336 @ , \$ 16.4506 @ , \$ 19.0682 @ , \$ 33.416 @ , \$ 21.969 @ , \$ 14.2475 @ , \$ 17.6794 @ , \$ 16.5553 @ , \$ 14 @ , \$ 252.772 @ , \$ 263.547 @ , \$ 276.15 @ , \$ 272.641 @ , \$ 266.377 @ , \$ 260.5 @ , \$ 266.992 @ , \$ 264.55 @ , \$ 262.396 @ , \$ 276.964 @ , \$ 15 @ , \$ 93.9402 @ , \$ 91.0934 @ , \$ 94.7719 @ , \$ 89.3983 @ , \$ 86.2045 @ , \$ 103.452 @ , \$ 91.3043 @ , \$ 96.0515 @ , \$ 66.9818 @ , \$ 88.8563 @ , \$

## ME17B128

Alpha = 0.0109382

post anova t-test pairs after sorting the sample means in descending order

1,7

10,15

1 @ , \$ 227.048 @ , \$ 227.624 @ , \$ 228.312 @ , \$ 231.152 @ , \$ 229.484 @ , \$ 240.615 @ , \$ 230.174 @ , \$ 234.255 @ , \$ 222.84 @ , \$ 228.785 @ , \$

2 @ , \$ 202.488 @ , \$ 215.703 @ , \$ 207.751 @ , \$ 213.289 @ , \$ 216.469 @ , \$ 253.786 @ , \$ 201.426 @ , \$ 192.392 @ , \$ 201.962 @ , \$ 221.906 @ , \$

3 @ , \$ 160.694 @ , \$ 163.109 @ , \$ 158.108 @ , \$ 165.169 @ , \$ 153.857 @ , \$ 160.312 @ , \$ 157.647 @ , \$ 153.698 @ , \$ 163.441 @ , \$ 162.93 @ , \$

4 @ , \$ 67.7723 @ , \$ 60.4794 @ , \$ 77.1952 @ , \$ 62.6132 @ , \$ 67.0217 @ , \$ 88.7694 @ , \$ 73.7942 @ , \$ 64.0356 @ , \$ 67.6813 @ , \$ 67.5691 @ , \$

5 @ , \$ 300.092 @ , \$ 287.239 @ , \$ 287.85 @ , \$ 284.579 @ , \$ 294.063 @ , \$ 295.134 @ , \$ 289.628 @ , \$ 300.35 @ , \$ 280.106 @ , \$ 299.861 @ , \$

6 @ , \$ 44.7899 @ , \$ 60.2118 @ , \$ 37.768 @ , \$ 58.9173 @ , \$ 34.1619 @ , \$ 51.0271 @ , \$ 40.7405 @ , \$ 63.4764 @ , \$ 50.627 @ , \$ 50.3122 @ , \$

7 @ , \$ 34.4994 @ , \$ 39.1233 @ , \$ 46.1099 @ , \$ 45.0269 @ , \$ 35.236 @ , \$ 44.7109 @ , \$ 21.0974 @ , \$ 52.4932 @ , \$ 36.3879 @ , \$ 40.0031 @ , \$

8 @ , \$ 208.087 @ , \$ 217.703 @ , \$ 212.619 @ , \$ 206.61 @ , \$ 213.875 @ , \$ 212.069 @ , \$ 213.676 @ , \$ 217.456 @ , \$ 203.269 @ , \$ 210.74 @ , \$

9 @ , \$ 110.77 @ , \$ 124.228 @ , \$ 121.248 @ , \$ 123.451 @ , \$ 119.839 @ , \$ 135.194 @ , \$ 117.706 @ , \$ 118.612 @ , \$ 114.729 @ , \$ 127.587 @ , \$

10 @ , \$ 168.237 @ , \$ 174.291 @ , \$ 177.183 @ , \$ 178.17 @ , \$ 185.861 @ , \$ 169.003 @ , \$ 165.929 @ , \$ 160.146 @ , \$ 162.565 @ , \$ 183.061 @ , \$

11 @ , \$ 153.03 @ , \$ 160.371 @ , \$ 146.554 @ , \$ 134.053 @ , \$ 147.947 @ , \$ 127.385 @ , \$ 152.029 @ , \$ 142.551 @ , \$ 147.172 @ , \$ 144.738 @ , \$

12 @ , \$ 285.506 @ , \$ 276.398 @ , \$ 274.856 @ , \$ 267.364 @ , \$ 302.614 @ , \$ 298.102 @ , \$ 282.034 @ , \$ 271.665 @ , \$ 291.394 @ , \$ 283.984 @ , \$

13 @ , \$ 102.102 @ , \$ 116.182 @ , \$ 120.906 @ , \$ 116.245 @ , \$ 109.285 @ , \$ 120.935 @ , \$ 104.624 @ , \$ 116.654 @ , \$ 123.503 @ , \$ 105.264 @ , \$

14 @ , \$ 19.6337 @ , \$ 12.4367 @ , \$ 6.12228 @ , \$ 6.0902 @ , \$ 21.0912 @ , \$ 8.59414 @ , \$ 15.9536 @ , \$ 19.2015 @ , \$ 20.5983 @ , \$ 26.2054 @ , \$

15 @ , \$ 269.284 @ , \$ 271.28 @ , \$ 274.867 @ , \$ 275.006 @ , \$ 273.242 @ , \$ 272.426 @ , \$ 272.78 @ , \$ 272.861 @ , \$ 272.654 @ , \$ 274.921 @ , \$

## ME18B107

Alpha = 0.0152262

post anova t-test pairs after sorting the sample means in descending order

1,7

12,14

1 @ , \$ 233.719 @ , \$ 248.791 @ , \$ 248.727 @ , \$ 255.891 @ , \$ 270.408 @ , \$ 243.017 @ , \$ 243.886 @ , \$ 241.068 @ , \$ 259.676 @ , \$ 242.812 @ , \$

2 @ , \$ 281.302 @ , \$ 267.87 @ , \$ 289.224 @ , \$ 259.658 @ , \$ 264.318 @ , \$ 290.206 @ , \$ 271.103 @ , \$ 253.721 @ , \$ 283.401 @ , \$ 270.814 @ , \$

3 @, \$ 137.418 @, \$ 144.887 @, \$ 142.054 @, \$ 157.317 @, \$ 159.128 @, \$ 142.209 @, \$ 151.285 @, \$ 153.369 @, \$ 145.336 @, \$ 155.539 @, \$ 4 @, \$ 97.3425 @, \$ 104.267 @, \$ 99.7773 @, \$ 102.297 @, \$ 98.5213 @, \$ 117.778 @, \$ 115.447 @, \$ 111.149 @, \$ 100.584 @, \$ 105.862 @, \$ 5 @, \$ 38.2624 @, \$ 45.0739 @, \$ 37.7803 @, \$ 37.7428 @, \$ 31.5642 @, \$ 35.4393 @, \$ 32.5885 @, \$ 34.6434 @, \$ 45.6628 @, \$ 48.4672 @, \$ 6 @, \$ 79.895 @, \$ 78.5807 @, \$ 83.87 @, \$ 73.7554 @, \$ 74.227 @, \$ 70.796 @, \$ 70.5496 @, \$ 73.5779 @, \$ 75.0486 @, \$ 85.571 @, \$ 7 @, \$ 160.135 @, \$ 146.74 @, \$ 150.863 @, \$ 165.12 @, \$ 143.159 @, \$ 168.925 @, \$ 141.635 @, \$ 147.336 @, \$ 145.714 @, \$ 169.509 @, \$ 8 @, \$ 149.299 @, \$ 157.723 @, \$ 168.689 @, \$ 165.802 @, \$ 150.09 @, \$ 172.052 @, \$ 165.888 @, \$ 166.468 @, \$ 170.411 @, \$ 163.877 @, \$ 9 @, \$ 71.8709 @, \$ 69.7348 @, \$ 81.6761 @, \$ 71.4801 @, \$ 84.1048 @, \$ 84.3695 @, \$ 72.9364 @, \$ 76.9732 @, \$ 85.1171 @, \$ 73.0277 @, \$ 10 @, \$ 197.223 @, \$ 200.373 @, \$ 208.514 @, \$ 201.645 @, \$ 180.674 @, \$ 211.36 @, \$ 201.957 @, \$ 202.59 @, \$ 201.014 @, \$ 188.541 @, \$ 11 @, \$ 281.369 @, \$ 266.23 @, \$ 264.367 @, \$ 262.231 @, \$ 251.307 @, \$ 292.275 @, \$ 270.247 @, \$ 274.469 @, \$ 260.472 @, \$ 269.979 @, \$ 12 @, \$ 100.563 @, \$ 120.725 @, \$ 114.765 @, \$ 105.073 @, \$ 117.162 @, \$ 133.066 @, \$ 108.637 @, \$ 125.016 @, \$ 113.381 @, \$ 115.316 @, \$ 13 @, \$ 83.1032 @, \$ 97.3831 @, \$ 108.412 @, \$ 102.643 @, \$ 100.963 @, \$ 112.921 @, \$ 107.303 @, \$ 96.3712 @, \$ 91.8705 @, \$ 92.1162 @, \$ 14 @, \$ 193.752 @, \$ 178.165 @, \$ 176.506 @, \$ 186.938 @, \$ 194.167 @, \$ 200.344 @, \$ 179.065 @, \$ 174.822 @, \$ 185.905 @, \$ 183.235 @, \$ 15 @, \$ 129.214 @, \$ 133.073 @, \$ 132.309 @, \$ 130.634 @, \$ 135.274 @, \$ 152.009 @, \$ 130.641 @, \$ 136.365 @, \$ 127.486 @, \$ 130.19 @, \$

## ME18B111

Alpha = 0.0933039

post anova t-test pairs after sorting the sample means in descending order

2,8

12,13

1 @, \$ 273.906 @, \$ 276.646 @, \$ 279.986 @, \$ 280.755 @, \$ 283.98 @, \$ 277.218 @, \$ 273.153 @, \$ 284.478 @, \$ 277.265 @, \$ 279.487 @, \$ 2 @, \$ 268.277 @, \$ 269.729 @, \$ 271.525 @, \$ 266.346 @, \$ 265.249 @, \$ 288.594 @, \$ 266.677 @, \$ 269.084 @, \$ 266.365 @, \$ 267.587 @, \$ 3 @, \$ 275.475 @, \$ 280.742 @, \$ 280.151 @, \$ 284.428 @, \$ 270.387 @, \$ 285.616 @, \$ 266.626 @, \$ 282.275 @, \$ 277.508 @, \$ 271.279 @, \$ 4 @, \$ 177.484 @, \$ 166.485 @, \$ 178.783 @, \$ 179.901 @, \$ 170.939 @, \$ 171.473 @, \$ 180.014 @, \$ 165.047 @, \$ 171.661 @, \$ 182.072 @, \$ 5 @, \$ 197.552 @, \$ 198.984 @, \$ 201.573 @, \$ 196.271 @, \$ 202.49 @, \$ 230.074 @, \$ 180.121 @, \$ 197.675 @, \$ 193.38 @, \$ 196.895 @, \$ 6 @, \$ 135.862 @, \$ 131.246 @, \$ 149.047 @, \$ 136.403 @, \$ 141.319 @, \$ 127.173 @, \$ 131.987 @, \$ 135.104 @, \$ 136.02 @, \$ 138.072 @, \$ 7 @, \$ 180.938 @, \$ 177.661 @, \$ 183.262 @, \$ 195.305 @, \$ 183.304 @, \$ 185.768 @, \$ 192.053 @, \$ 191.987 @, \$ 189.253 @, \$ 186.937 @, \$ 8 @, \$ 193.255 @, \$ 203.892 @, \$ 201.307 @, \$ 197.94 @, \$ 200.578 @, \$ 205.008 @, \$ 197.973 @, \$ 193.796 @, \$ 192.408 @, \$ 194.219 @, \$ 9 @, \$ 79.0062 @, \$ 79.503 @, \$ 76.6054 @, \$ 77.1837 @, \$ 80.197 @, \$ 84.4517 @, \$ 79.3081 @, \$ 77.5619 @, \$ 77.4168 @, \$ 78.4221 @, \$ 10 @, \$ 14.1376 @, \$ 22.8576 @, \$ 20.9136 @, \$ 4.89158 @, \$ 21.6641 @, \$ 44.2287 @, \$ 20.58 @, \$ 19.6121 @, \$ 23.9754 @, \$ 36.4034 @, \$ 11 @, \$ 173.597 @, \$ 179.287 @, \$ 179.874 @, \$ 177.59 @, \$ 174.154 @, \$ 194.463 @, \$ 174.044 @, \$ 182.246

@ , \$ 175.29 @ , \$ 172.502 @ , \$  
12 @ , \$ 185.157 @ , \$ 183.804 @ , \$ 182.358 @ , \$ 181.094 @ , \$ 186.812 @ , \$ 174.671 @ , \$ 176.032 @ , \$  
189.531 @ , \$ 183.574 @ , \$ 184.627 @ , \$  
13 @ , \$ 181.359 @ , \$ 166.02 @ , \$ 178.806 @ , \$ 188.714 @ , \$ 178.854 @ , \$ 171.48 @ , \$ 177.454 @ , \$ 176.921  
@ , \$ 182.635 @ , \$ 182.792 @ , \$  
14 @ , \$ 287.676 @ , \$ 275.621 @ , \$ 283.305 @ , \$ 282.762 @ , \$ 287.447 @ , \$ 305.705 @ , \$ 272.611 @ , \$  
281.393 @ , \$ 278.188 @ , \$ 282.623 @ , \$  
15 @ , \$ 246.824 @ , \$ 254.054 @ , \$ 246.006 @ , \$ 243.478 @ , \$ 247.211 @ , \$ 244.118 @ , \$ 254.372 @ , \$  
244.059 @ , \$ 250.739 @ , \$ 251.242 @ , \$

## ME19B006

Alpha = 0.0993308

post anova t-test pairs after sorting the sample means in descending order

3,4

11,13

1 @ , \$ 73.7186 @ , \$ 42.8891 @ , \$ 48.7187 @ , \$ 64.1427 @ , \$ 49.7071 @ , \$ 53.5152 @ , \$ 60.8147 @ , \$ 46.7197  
@ , \$ 43.2365 @ , \$ 41.4864 @ , \$  
2 @ , \$ 57.9021 @ , \$ 52.0649 @ , \$ 59.2557 @ , \$ 54.5242 @ , \$ 55.5452 @ , \$ 73.4323 @ , \$ 49.6458 @ , \$ 55.1105  
@ , \$ 55.7592 @ , \$ 57.3717 @ , \$  
3 @ , \$ 220.185 @ , \$ 194.702 @ , \$ 218.512 @ , \$ 208.809 @ , \$ 203.566 @ , \$ 232.777 @ , \$ 211.949 @ , \$ 207.581  
@ , \$ 225.621 @ , \$ 200.816 @ , \$  
4 @ , \$ 242.322 @ , \$ 246.926 @ , \$ 246.867 @ , \$ 247.854 @ , \$ 241.232 @ , \$ 240.791 @ , \$ 242.488 @ , \$ 248.483  
@ , \$ 243.748 @ , \$ 250.745 @ , \$  
5 @ , \$ 218.262 @ , \$ 212.753 @ , \$ 216.745 @ , \$ 219.798 @ , \$ 229.207 @ , \$ 239.552 @ , \$ 221.556 @ , \$ 219.969  
@ , \$ 222.602 @ , \$ 221.214 @ , \$  
6 @ , \$ 32.6367 @ , \$ 39.5223 @ , \$ 30.0427 @ , \$ 28.4702 @ , \$ 38.003 @ , \$ 71.8597 @ , \$ 44.1421 @ , \$ 39.4504  
@ , \$ 40.4664 @ , \$ 53.6619 @ , \$  
7 @ , \$ 33.9143 @ , \$ 31.5376 @ , \$ 48.4929 @ , \$ 33.042 @ , \$ 43.3377 @ , \$ 52.3255 @ , \$ 28.7369 @ , \$ 30.5843  
@ , \$ 56.5985 @ , \$ 27.2814 @ , \$  
8 @ , \$ 98.4265 @ , \$ 89.3559 @ , \$ 95.5586 @ , \$ 95.0906 @ , \$ 108.8 @ , \$ 112.67 @ , \$ 107.848 @ , \$ 110.105 @ ,  
\$ 104.082 @ , \$ 101.134 @ , \$  
9 @ , \$ 204.037 @ , \$ 193.744 @ , \$ 209.851 @ , \$ 215.276 @ , \$ 185.86 @ , \$ 221.065 @ , \$ 205.582 @ , \$ 195.003  
@ , \$ 199.005 @ , \$ 203.822 @ , \$  
10 @ , \$ 66.4893 @ , \$ 53.3995 @ , \$ 58.7457 @ , \$ 52.7094 @ , \$ 53.3315 @ , \$ 63.4236 @ , \$ 52.9066 @ , \$  
52.5778 @ , \$ 47.0027 @ , \$ 63.6611 @ , \$  
11 @ , \$ 82.3504 @ , \$ 85.1385 @ , \$ 91.8663 @ , \$ 89.9307 @ , \$ 72.9336 @ , \$ 94.4945 @ , \$ 80.941 @ , \$ 70.3203  
@ , \$ 100.648 @ , \$ 84.3824 @ , \$  
12 @ , \$ 104.604 @ , \$ 102.009 @ , \$ 104.563 @ , \$ 111.816 @ , \$ 107.917 @ , \$ 123.22 @ , \$ 98.3891 @ , \$ 106.468  
@ , \$ 106.373 @ , \$ 93.8027 @ , \$  
13 @ , \$ 90.6753 @ , \$ 94.4943 @ , \$ 92.6584 @ , \$ 86.0526 @ , \$ 89.0643 @ , \$ 94.48 @ , \$ 89.4851 @ , \$ 86.0444  
@ , \$ 80.8866 @ , \$ 84.7599 @ , \$  
14 @ , \$ 228.679 @ , \$ 224.559 @ , \$ 223.992 @ , \$ 222.503 @ , \$ 229.143 @ , \$ 234.875 @ , \$ 225.154 @ , \$ 226.45  
@ , \$ 226.139 @ , \$ 223.139 @ , \$  
15 @ , \$ 76.6171 @ , \$ 78.647 @ , \$ 71.7807 @ , \$ 64.8381 @ , \$ 62.0833 @ , \$ 85.0811 @ , \$ 74.9092 @ , \$ 69.7962  
@ , \$ 61.2288 @ , \$ 71.4379 @ , \$

## ME19B008

Alpha = 0.0909767

post anova t-test pairs after sorting the sample means in descending order

2,4

11,13

1 @ , \$ 56.0565 @ , \$ 61.067 @ , \$ 58.3052 @ , \$ 54.6438 @ , \$ 61.3233 @ , \$ 64.0556 @ , \$ 72.5369 @ , \$ 77.5842

@, \$ 76.3476 @, \$ 69.0711 @, \$  
2 @, \$ 48.9565 @, \$ 53.7176 @, \$ 44.0225 @, \$ 46.8837 @, \$ 39.1755 @, \$ 57.522 @, \$ 52.5801 @, \$ 48.5253  
@, \$ 38.7148 @, \$ 50.5342 @, \$  
3 @, \$ 99.254 @, \$ 93.0909 @, \$ 83.6388 @, \$ 83.3993 @, \$ 91.3226 @, \$ 130.931 @, \$ 91.6012 @, \$ 81.6142  
@, \$ 109.565 @, \$ 93.4898 @, \$  
4 @, \$ 128.196 @, \$ 120.285 @, \$ 125.672 @, \$ 114.673 @, \$ 125.263 @, \$ 129.783 @, \$ 123.789 @, \$ 125.878  
@, \$ 106.872 @, \$ 130.065 @, \$  
5 @, \$ 127.898 @, \$ 128.169 @, \$ 112.085 @, \$ 130.26 @, \$ 121.214 @, \$ 128.12 @, \$ 110.69 @, \$ 126.636 @,  
\$ 108.092 @, \$ 129.247 @, \$  
6 @, \$ 197.203 @, \$ 204.952 @, \$ 201.776 @, \$ 190.717 @, \$ 198.446 @, \$ 229.888 @, \$ 196.524 @, \$ 210.516  
@, \$ 210.749 @, \$ 209.116 @, \$  
7 @, \$ 185.611 @, \$ 175.567 @, \$ 185.962 @, \$ 180.593 @, \$ 178.526 @, \$ 199.727 @, \$ 184.363 @, \$ 174.787  
@, \$ 188.39 @, \$ 172.712 @, \$  
8 @, \$ 34.814 @, \$ 39.7996 @, \$ 36.8569 @, \$ 34.3445 @, \$ 37.4304 @, \$ 52.7325 @, \$ 37.6721 @, \$ 42.2943  
@, \$ 39.2727 @, \$ 46.6046 @, \$  
9 @, \$ 22.2476 @, \$ 29.0345 @, \$ 18.8271 @, \$ 31.8305 @, \$ 32.8287 @, \$ 57.9191 @, \$ 24.5527 @, \$ 36.5059  
@, \$ 25.7954 @, \$ 44.717 @, \$  
10 @, \$ 21.4763 @, \$ 20.3995 @, \$ 19.995 @, \$ 22.4585 @, \$ 19.4809 @, \$ 34.612 @, \$ 21.544 @, \$ 20.1352 @,  
\$ 22.0879 @, \$ 23.1734 @, \$  
11 @, \$ 299.52 @, \$ 314.805 @, \$ 306.57 @, \$ 308.613 @, \$ 305.766 @, \$ 289.528 @, \$ 307.005 @, \$ 297.196  
@, \$ 319.86 @, \$ 291.98 @, \$  
12 @, \$ 134.128 @, \$ 127.511 @, \$ 119.486 @, \$ 125.706 @, \$ 114.589 @, \$ 147.533 @, \$ 115.76 @, \$ 133.487  
@, \$ 115.362 @, \$ 130.43 @, \$  
13 @, \$ 267.121 @, \$ 274.73 @, \$ 271.627 @, \$ 258.503 @, \$ 240.166 @, \$ 270.064 @, \$ 262.708 @, \$ 253.005  
@, \$ 256.19 @, \$ 266.225 @, \$  
14 @, \$ 49.5156 @, \$ 44.7176 @, \$ 47.0175 @, \$ 48.4949 @, \$ 48.6232 @, \$ 48.6555 @, \$ 48.7497 @, \$  
46.8658 @, \$ 46.9891 @, \$ 45.0542 @, \$  
15 @, \$ 156.365 @, \$ 156.808 @, \$ 145.01 @, \$ 159.097 @, \$ 154.041 @, \$ 179.557 @, \$ 141.481 @, \$ 146.224  
@, \$ 144.594 @, \$ 149.588 @, \$

ME19B009

Alpha = 0.0368355

post anova t-test pairs after sorting the sample means in descending order

3,5

11,14

1 @, \$ 211.139 @, \$ 216.975 @, \$ 216.905 @, \$ 217.349 @, \$ 211.922 @, \$ 236.579 @, \$ 219.972 @, \$ 211.409  
@, \$ 211.45 @, \$ 213.716 @, \$  
2 @, \$ 2.82317 @, \$ 10.6035 @, \$ 4.51766 @, \$ 12.3998 @, \$ 6.40882 @, \$ 16.3614 @, \$ 3.84641 @, \$ 7.06539  
@, \$ 5.23851 @, \$ -0.338583 @, \$  
3 @, \$ 90.8668 @, \$ 95.8255 @, \$ 84.4529 @, \$ 104.069 @, \$ 91.5213 @, \$ 114.314 @, \$ 94.1184 @, \$ 93.8186  
@, \$ 74.513 @, \$ 99.7798 @, \$  
4 @, \$ 285.057 @, \$ 270.811 @, \$ 268.911 @, \$ 271.97 @, \$ 283.214 @, \$ 278.233 @, \$ 264.153 @, \$ 260.301  
@, \$ 264.207 @, \$ 288.346 @, \$  
5 @, \$ 206.992 @, \$ 201.145 @, \$ 201.685 @, \$ 194.296 @, \$ 199.582 @, \$ 222.551 @, \$ 198.966 @, \$ 204.273  
@, \$ 198.886 @, \$ 205.108 @, \$  
6 @, \$ 230.12 @, \$ 244.373 @, \$ 253.127 @, \$ 234.291 @, \$ 240.997 @, \$ 251.783 @, \$ 232.446 @, \$ 230.966  
@, \$ 230.897 @, \$ 232.784 @, \$  
7 @, \$ 156.818 @, \$ 148.693 @, \$ 145.036 @, \$ 140.537 @, \$ 154.335 @, \$ 170.905 @, \$ 160.165 @, \$ 148.345  
@, \$ 148.776 @, \$ 164.366 @, \$  
8 @, \$ 144.56 @, \$ 136.973 @, \$ 146.193 @, \$ 153.388 @, \$ 151.104 @, \$ 157.15 @, \$ 146.161 @, \$ 145.318 @,  
\$ 153.345 @, \$ 146.481 @, \$  
9 @, \$ 70.8745 @, \$ 72.6445 @, \$ 85.2603 @, \$ 76.5451 @, \$ 63.5964 @, \$ 84.467 @, \$ 78.3596 @, \$ 70.9129  
@, \$ 81.9666 @, \$ 63.873 @, \$

10 @ , \$ 154.604 @ , \$ 160.516 @ , \$ 157.471 @ , \$ 151.038 @ , \$ 153.397 @ , \$ 159.227 @ , \$ 152.17 @ , \$ 151.154 @ , \$ 154.005 @ , \$ 160.899 @ , \$ 11 @ , \$ 259.161 @ , \$ 266.55 @ , \$ 283.84 @ , \$ 272.662 @ , \$ 273.075 @ , \$ 276.731 @ , \$ 253.629 @ , \$ 261.79 @ , \$ 260.179 @ , \$ 253.909 @ , \$ 12 @ , \$ 269.12 @ , \$ 254.119 @ , \$ 279.378 @ , \$ 261.848 @ , \$ 260.514 @ , \$ 278.934 @ , \$ 254.271 @ , \$ 265.012 @ , \$ 255.968 @ , \$ 279.721 @ , \$ 13 @ , \$ 206.263 @ , \$ 211.301 @ , \$ 191.172 @ , \$ 204.35 @ , \$ 203.925 @ , \$ 233.811 @ , \$ 205.09 @ , \$ 210.109 @ , \$ 206.71 @ , \$ 198.641 @ , \$ 14 @ , \$ 264.222 @ , \$ 267.853 @ , \$ 255.06 @ , \$ 283.226 @ , \$ 290.39 @ , \$ 281.758 @ , \$ 268.259 @ , \$ 268.175 @ , \$ 275.182 @ , \$ 275.36 @ , \$ 15 @ , \$ 186.804 @ , \$ 184.696 @ , \$ 186.17 @ , \$ 182.264 @ , \$ 189.857 @ , \$ 208.711 @ , \$ 196.8 @ , \$ 183.862 @ , \$ 201.278 @ , \$ 202.525 @ , \$

## ME19B011

Alpha = 0.0741475

post anova t-test pairs after sorting the sample means in descending order

2,8

12,15

1 @ , \$ 239.564 @ , \$ 232.515 @ , \$ 255.947 @ , \$ 242.113 @ , \$ 248.684 @ , \$ 257.64 @ , \$ 241.427 @ , \$ 250.002 @ , \$ 246.248 @ , \$ 246.572 @ , \$ 2 @ , \$ 228.267 @ , \$ 226.574 @ , \$ 234.558 @ , \$ 226.237 @ , \$ 226.18 @ , \$ 219.847 @ , \$ 239.549 @ , \$ 226.392 @ , \$ 233.483 @ , \$ 230.673 @ , \$ 3 @ , \$ 140.958 @ , \$ 144.577 @ , \$ 155.491 @ , \$ 138.267 @ , \$ 150.157 @ , \$ 160.244 @ , \$ 135.736 @ , \$ 135.667 @ , \$ 140.092 @ , \$ 138.253 @ , \$ 4 @ , \$ 38.7656 @ , \$ 42.8651 @ , \$ 39.3073 @ , \$ 39.1726 @ , \$ 44.0098 @ , \$ 47.5918 @ , \$ 36.3703 @ , \$ 40.4588 @ , \$ 41.1537 @ , \$ 39.8605 @ , \$ 5 @ , \$ 2.03966 @ , \$ -3.41963 @ , \$ -6.38737 @ , \$ 4.8915 @ , \$ 7.16075 @ , \$ 2.90749 @ , \$ 10.5614 @ , \$ 6.09066 @ , \$ 2.47897 @ , \$ -5.11996 @ , \$ 6 @ , \$ 3.06592 @ , \$ 6.13666 @ , \$ 10.2473 @ , \$ 9.90474 @ , \$ 5.85488 @ , \$ 20.0106 @ , \$ -0.587375 @ , \$ -5.9776 @ , \$ 14.7701 @ , \$ 17.6566 @ , \$ 7 @ , \$ 109.916 @ , \$ 90.8332 @ , \$ 115.436 @ , \$ 109.666 @ , \$ 104.566 @ , \$ 124.276 @ , \$ 108.973 @ , \$ 102.301 @ , \$ 100.682 @ , \$ 110.609 @ , \$ 8 @ , \$ 53.6584 @ , \$ 58.2362 @ , \$ 56.4837 @ , \$ 55.3502 @ , \$ 57.7619 @ , \$ 66.2777 @ , \$ 56.5372 @ , \$ 56.9158 @ , \$ 56.4823 @ , \$ 57.5105 @ , \$ 9 @ , \$ 246.87 @ , \$ 234.155 @ , \$ 232.181 @ , \$ 225.129 @ , \$ 242.331 @ , \$ 241.601 @ , \$ 230.485 @ , \$ 250.197 @ , \$ 243.799 @ , \$ 230.601 @ , \$ 10 @ , \$ 218.003 @ , \$ 220.153 @ , \$ 213.02 @ , \$ 218.754 @ , \$ 215.164 @ , \$ 226.582 @ , \$ 220.298 @ , \$ 213.035 @ , \$ 210.718 @ , \$ 213.437 @ , \$ 11 @ , \$ 99.0098 @ , \$ 100.794 @ , \$ 99.0212 @ , \$ 101.488 @ , \$ 98.0443 @ , \$ 116.047 @ , \$ 103.791 @ , \$ 101.099 @ , \$ 101.549 @ , \$ 101.804 @ , \$ 12 @ , \$ 222.844 @ , \$ 223.296 @ , \$ 223.978 @ , \$ 221.823 @ , \$ 227 @ , \$ 234.288 @ , \$ 218.336 @ , \$ 219.132 @ , \$ 230.683 @ , \$ 226.136 @ , \$ 13 @ , \$ 120.701 @ , \$ 119.784 @ , \$ 119.012 @ , \$ 138.341 @ , \$ 131.201 @ , \$ 132.662 @ , \$ 128.892 @ , \$ 143.565 @ , \$ 140.12 @ , \$ 142.3 @ , \$ 14 @ , \$ 66.6502 @ , \$ 71.5545 @ , \$ 63.727 @ , \$ 72.4214 @ , \$ 91.1202 @ , \$ 102.913 @ , \$ 73.94 @ , \$ 72.1146 @ , \$ 84.057 @ , \$ 67.6311 @ , \$ 15 @ , \$ 155.889 @ , \$ 155.325 @ , \$ 153.583 @ , \$ 150.458 @ , \$ 157.158 @ , \$ 154.901 @ , \$ 154.314 @ , \$ 155.787 @ , \$ 156.684 @ , \$ 154.702 @ , \$

## ME19B022

Alpha = 0.0513478

post anova t-test pairs after sorting the sample means in descending order

1,8  
12,15

1 @, \$ 67.5924 @, \$ 67.328 @, \$ 68.8221 @, \$ 69.4264 @, \$ 73.8939 @, \$ 80.8164 @, \$ 68.7314 @, \$ 69.742 @, \$ 69.8912 @, \$ 69.1052 @, \$  
2 @, \$ 9.21485 @, \$ 12.1258 @, \$ 6.97851 @, \$ 5.42785 @, \$ 17.4718 @, \$ 24.6398 @, \$ 11.4272 @, \$ 12.4455 @, \$ 12.6164 @, \$ 11.9422 @, \$  
3 @, \$ 72.5339 @, \$ 84.5135 @, \$ 72.1616 @, \$ 76.9708 @, \$ 85.5945 @, \$ 85.7521 @, \$ 81.1442 @, \$ 78.5002 @, \$ 85.8848 @, \$ 84.7681 @, \$  
4 @, \$ 34.1727 @, \$ 34.5438 @, \$ 41.7562 @, \$ 37.2912 @, \$ 41.4247 @, \$ 33.9154 @, \$ 32.4245 @, \$ 37.5766 @, \$ 32.2413 @, \$ 41.2335 @, \$  
5 @, \$ 116.21 @, \$ 113.758 @, \$ 115.266 @, \$ 119.116 @, \$ 121.854 @, \$ 135.152 @, \$ 115.367 @, \$ 119.364 @, \$ 117.79 @, \$ 116.125 @, \$  
6 @, \$ 131.756 @, \$ 135.917 @, \$ 136.222 @, \$ 149.697 @, \$ 139.161 @, \$ 147.245 @, \$ 127.247 @, \$ 145.128 @, \$ 138.868 @, \$ 121.308 @, \$  
7 @, \$ 277.26 @, \$ 261.505 @, \$ 266.608 @, \$ 291.139 @, \$ 285.185 @, \$ 298.111 @, \$ 287.069 @, \$ 293.038 @, \$ 268.553 @, \$ 281.314 @, \$  
8 @, \$ 138.481 @, \$ 151.874 @, \$ 152.231 @, \$ 171.065 @, \$ 154.779 @, \$ 155.316 @, \$ 146.88 @, \$ 160.379 @, \$ 166.185 @, \$ 162.024 @, \$  
9 @, \$ 277.863 @, \$ 284.672 @, \$ 278.028 @, \$ 276.123 @, \$ 275.883 @, \$ 270.191 @, \$ 271.864 @, \$ 266.936 @, \$ 281.459 @, \$ 285.763 @, \$  
10 @, \$ 288.216 @, \$ 300.209 @, \$ 297.452 @, \$ 289.93 @, \$ 291.398 @, \$ 293.368 @, \$ 321.405 @, \$ 299.43 @, \$ 297.762 @, \$ 296.32 @, \$  
11 @, \$ 241.38 @, \$ 238.882 @, \$ 239.395 @, \$ 239.365 @, \$ 238.041 @, \$ 254.895 @, \$ 240.247 @, \$ 243.466 @, \$ 239.327 @, \$ 238.915 @, \$  
12 @, \$ 103.945 @, \$ 99.915 @, \$ 95.0509 @, \$ 88.2594 @, \$ 99.663 @, \$ 110.325 @, \$ 94.9349 @, \$ 100.846 @, \$ 99.6087 @, \$ 102.686 @, \$  
13 @, \$ 120.973 @, \$ 113.028 @, \$ 114.331 @, \$ 108.143 @, \$ 110.14 @, \$ 112.777 @, \$ 116.735 @, \$ 109.497 @, \$ 108.004 @, \$ 112.837 @, \$  
14 @, \$ 252.64 @, \$ 252.67 @, \$ 258.051 @, \$ 251.769 @, \$ 251.287 @, \$ 257.21 @, \$ 248.261 @, \$ 253.721 @, \$ 252.241 @, \$ 254.743 @, \$  
15 @, \$ 254.719 @, \$ 276.302 @, \$ 265.395 @, \$ 272.412 @, \$ 276.044 @, \$ 276.863 @, \$ 260.686 @, \$ 267.005 @, \$ 263.41 @, \$ 255.437 @, \$

ME19B025

Alpha = 0.0587358

post anova t-test pairs after sorting the sample means in descending order

1,5

9,13

1 @, \$ 146.885 @, \$ 145.886 @, \$ 130.615 @, \$ 134.861 @, \$ 160.083 @, \$ 151.437 @, \$ 141.854 @, \$ 138.642 @, \$ 147.248 @, \$ 147.598 @, \$  
2 @, \$ 149.245 @, \$ 152.325 @, \$ 150.123 @, \$ 154.64 @, \$ 148.023 @, \$ 163.137 @, \$ 149.139 @, \$ 147.823 @, \$ 148.822 @, \$ 145.477 @, \$  
3 @, \$ 142.295 @, \$ 139.572 @, \$ 147.55 @, \$ 142.391 @, \$ 151.686 @, \$ 172.13 @, \$ 148.96 @, \$ 139.537 @, \$ 141.782 @, \$ 158.768 @, \$  
4 @, \$ 101.339 @, \$ 101.192 @, \$ 102.025 @, \$ 97.1319 @, \$ 101.969 @, \$ 108.039 @, \$ 101.142 @, \$ 102.103 @, \$ 99.7289 @, \$ 100.655 @, \$  
5 @, \$ 75.6129 @, \$ 78.5462 @, \$ 72.7079 @, \$ 66.4459 @, \$ 78.5953 @, \$ 72.9422 @, \$ 71.0783 @, \$ 55.5693 @, \$ 63.6637 @, \$ 73.2903 @, \$  
6 @, \$ 60.7857 @, \$ 70.5791 @, \$ 67.846 @, \$ 60.1277 @, \$ 63.7767 @, \$ 79.7982 @, \$ 64.6936 @, \$ 67.5759 @, \$ 71.6652 @, \$ 54.8812 @, \$  
7 @, \$ 100.19 @, \$ 96.5368 @, \$ 100.602 @, \$ 91.3521 @, \$ 86.9038 @, \$ 120.741 @, \$ 98.6914 @, \$ 99.3733 @, \$ 92.7153 @, \$ 97.4139 @, \$  
8 @, \$ 78.324 @, \$ 77.1988 @, \$ 83.1077 @, \$ 82.8396 @, \$ 87.5034 @, \$ 84.33 @, \$ 78.409 @, \$ 79.6645 @, \$

77.8617 @ , \$ 82.4123 @ , \$  
9 @ , \$ 281.891 @ , \$ 288.255 @ , \$ 290.127 @ , \$ 287.712 @ , \$ 285.506 @ , \$ 303.729 @ , \$ 292.854 @ , \$ 284.395  
@ , \$ 289.26 @ , \$ 288.699 @ , \$  
10 @ , \$ 150.284 @ , \$ 161.189 @ , \$ 123.879 @ , \$ 161.773 @ , \$ 143.216 @ , \$ 145.301 @ , \$ 158.592 @ , \$  
150.042 @ , \$ 167.266 @ , \$ 172.672 @ , \$  
11 @ , \$ 288.82 @ , \$ 276.749 @ , \$ 268.597 @ , \$ 260.238 @ , \$ 280.526 @ , \$ 275.836 @ , \$ 293.95 @ , \$ 264.499  
@ , \$ 284.019 @ , \$ 289.642 @ , \$  
12 @ , \$ 276.66 @ , \$ 281.246 @ , \$ 278.229 @ , \$ 276.819 @ , \$ 279.317 @ , \$ 287.981 @ , \$ 279.915 @ , \$ 274.652  
@ , \$ 278.938 @ , \$ 276.471 @ , \$  
13 @ , \$ 85.5835 @ , \$ 85.6112 @ , \$ 79.2061 @ , \$ 81.038 @ , \$ 92.341 @ , \$ 115.155 @ , \$ 89.234 @ , \$ 78.5639 @  
@ , \$ 73.3993 @ , \$ 79.2258 @ , \$  
14 @ , \$ 266.694 @ , \$ 261.242 @ , \$ 254.044 @ , \$ 267.787 @ , \$ 271.6 @ , \$ 271.483 @ , \$ 284.511 @ , \$ 256.726  
@ , \$ 269.961 @ , \$ 270.045 @ , \$  
15 @ , \$ 76.933 @ , \$ 97.2441 @ , \$ 89.8449 @ , \$ 90.4721 @ , \$ 91.8453 @ , \$ 92.7602 @ , \$ 80.2216 @ , \$ 92.3543  
@ , \$ 89.949 @ , \$ 87.8135 @ , \$

ME19B034

Alpha = 0.0842275

post anova t-test pairs after sorting the sample means in descending order

1,5

9,14

1 @ , \$ 263.232 @ , \$ 248.897 @ , \$ 259.226 @ , \$ 261.739 @ , \$ 251.723 @ , \$ 258.628 @ , \$ 253.805 @ , \$ 255.895  
@ , \$ 262.519 @ , \$ 258.162 @ , \$  
2 @ , \$ 82.958 @ , \$ 82.7612 @ , \$ 83.8525 @ , \$ 83.9052 @ , \$ 72.0369 @ , \$ 104.202 @ , \$ 91.8884 @ , \$ 76.2263  
@ , \$ 81.5222 @ , \$ 87.541 @ , \$  
3 @ , \$ 78.6058 @ , \$ 78.5033 @ , \$ 83.6655 @ , \$ 83.8461 @ , \$ 82.8952 @ , \$ 111.334 @ , \$ 78.018 @ , \$ 81.5379  
@ , \$ 72.1852 @ , \$ 81.6271 @ , \$  
4 @ , \$ 12.4785 @ , \$ 22.3065 @ , \$ 26.9302 @ , \$ 29.9684 @ , \$ 17.6791 @ , \$ 64.8102 @ , \$ 22.0392 @ , \$ 17.9932  
@ , \$ 27.9313 @ , \$ 15.8892 @ , \$  
5 @ , \$ 70.7209 @ , \$ 71.7684 @ , \$ 85.2946 @ , \$ 71.9007 @ , \$ 63.1125 @ , \$ 95.6483 @ , \$ 66.4157 @ , \$ 68.846  
@ , \$ 79.0766 @ , \$ 74.5529 @ , \$  
6 @ , \$ 73.2117 @ , \$ 73.1129 @ , \$ 81.3694 @ , \$ 74.4586 @ , \$ 79.3505 @ , \$ 86.7435 @ , \$ 79.7213 @ , \$ 79.6723  
@ , \$ 79.2734 @ , \$ 81.5553 @ , \$  
7 @ , \$ 66.4458 @ , \$ 65.3015 @ , \$ 51.8495 @ , \$ 47.6062 @ , \$ 46.4997 @ , \$ 69.7093 @ , \$ 63.2102 @ , \$ 51.7981  
@ , \$ 53.417 @ , \$ 47.5414 @ , \$  
8 @ , \$ 1.65247 @ , \$ -0.546349 @ , \$ 2.80949 @ , \$ 1.25978 @ , \$ -2.37064 @ , \$ 3.69431 @ , \$ 4.92918 @ , \$  
2.95989 @ , \$ 6.19476 @ , \$ 10.7214 @ , \$  
9 @ , \$ 224.876 @ , \$ 217.672 @ , \$ 214.203 @ , \$ 210.395 @ , \$ 221.326 @ , \$ 227.679 @ , \$ 217.057 @ , \$ 214.159  
@ , \$ 207.723 @ , \$ 212.624 @ , \$  
10 @ , \$ 174.009 @ , \$ 165.095 @ , \$ 167.161 @ , \$ 162.766 @ , \$ 166.373 @ , \$ 167.545 @ , \$ 162.069 @ , \$  
175.213 @ , \$ 168.321 @ , \$ 168.327 @ , \$  
11 @ , \$ 208.762 @ , \$ 217.069 @ , \$ 203.828 @ , \$ 214.856 @ , \$ 203.812 @ , \$ 205.395 @ , \$ 211.646 @ , \$  
213.754 @ , \$ 218.014 @ , \$ 216.948 @ , \$  
12 @ , \$ 196.209 @ , \$ 190.332 @ , \$ 188.024 @ , \$ 195.149 @ , \$ 198.662 @ , \$ 201.664 @ , \$ 197.703 @ , \$  
194.775 @ , \$ 194.351 @ , \$ 190.09 @ , \$  
13 @ , \$ 51.4271 @ , \$ 46.7068 @ , \$ 53.5989 @ , \$ 54.8893 @ , \$ 57.2485 @ , \$ 55.7214 @ , \$ 54.9135 @ , \$  
51.6798 @ , \$ 57.0223 @ , \$ 54.979 @ , \$  
14 @ , \$ 124.232 @ , \$ 124.257 @ , \$ 118.29 @ , \$ 125.039 @ , \$ 116.336 @ , \$ 133.755 @ , \$ 124.504 @ , \$ 118.466  
@ , \$ 120.761 @ , \$ 123.795 @ , \$  
15 @ , \$ 224.219 @ , \$ 213.755 @ , \$ 212.969 @ , \$ 204.695 @ , \$ 234.495 @ , \$ 235.237 @ , \$ 214.883 @ , \$  
218.967 @ , \$ 221.125 @ , \$ 223.623 @ , \$

ME19B038

Alpha = 0.0350194

post anova t-test pairs after sorting the sample means in descending order

1,5

12,13

1 @ , \$ 6.38728 @ , \$ 8.43335 @ , \$ 14.8047 @ , \$ 11.8962 @ , \$ 13.3216 @ , \$ 37.6801 @ , \$ 8.23751 @ , \$ 12.4177 @ , \$ 9.15593 @ , \$ 8.27108 @ , \$  
2 @ , \$ 61.7374 @ , \$ 49.2309 @ , \$ 57.4566 @ , \$ 57.4518 @ , \$ 62.8441 @ , \$ 57.1038 @ , \$ 52.4857 @ , \$ 67.242 @ , \$ 46.926 @ , \$ 63.2757 @ , \$  
3 @ , \$ 76.141 @ , \$ 61.9052 @ , \$ 77.3117 @ , \$ 71.3889 @ , \$ 74.3671 @ , \$ 80.9471 @ , \$ 82.3014 @ , \$ 75.2721 @ , \$ 82.4918 @ , \$ 77.2357 @ , \$  
4 @ , \$ 3.29988 @ , \$ 13.3139 @ , \$ -1.52606 @ , \$ 4.56718 @ , \$ 9.63045 @ , \$ 9.45085 @ , \$ -1.85449 @ , \$ -11.4772 @ , \$ 10.346 @ , \$ 14.187 @ , \$  
5 @ , \$ 266.082 @ , \$ 266.649 @ , \$ 265.971 @ , \$ 264.769 @ , \$ 263.814 @ , \$ 276.649 @ , \$ 268.45 @ , \$ 265.027 @ , \$ 266.958 @ , \$ 268.165 @ , \$  
6 @ , \$ 209.32 @ , \$ 208.282 @ , \$ 219.42 @ , \$ 215.718 @ , \$ 202.834 @ , \$ 216.946 @ , \$ 204.726 @ , \$ 205.875 @ , \$ 214.949 @ , \$ 215.987 @ , \$  
7 @ , \$ 115.126 @ , \$ 101.802 @ , \$ 123.222 @ , \$ 127.452 @ , \$ 118.892 @ , \$ 121.652 @ , \$ 120.099 @ , \$ 118.165 @ , \$ 109.3 @ , \$ 126.7 @ , \$  
8 @ , \$ 3.07257 @ , \$ 2.58057 @ , \$ 3.92537 @ , \$ -0.0457379 @ , \$ 1.66016 @ , \$ 6.16939 @ , \$ 3.14758 @ , \$ 2.52209 @ , \$ 1.76358 @ , \$ 4.38074 @ , \$  
9 @ , \$ 244.267 @ , \$ 232.675 @ , \$ 231.884 @ , \$ 244.659 @ , \$ 243.583 @ , \$ 245.636 @ , \$ 223.124 @ , \$ 239.037 @ , \$ 236.649 @ , \$ 237.095 @ , \$  
10 @ , \$ 195.239 @ , \$ 190.242 @ , \$ 191.116 @ , \$ 190.62 @ , \$ 196.386 @ , \$ 213.313 @ , \$ 206.278 @ , \$ 194.737 @ , \$ 192.924 @ , \$ 197.817 @ , \$  
11 @ , \$ 199.03 @ , \$ 200.144 @ , \$ 185.704 @ , \$ 199.661 @ , \$ 206.276 @ , \$ 217.893 @ , \$ 196.414 @ , \$ 204.227 @ , \$ 214.09 @ , \$ 191.62 @ , \$  
12 @ , \$ 99.2073 @ , \$ 107.673 @ , \$ 98.5648 @ , \$ 91.5823 @ , \$ 91.0844 @ , \$ 112.127 @ , \$ 89.6692 @ , \$ 86.8008 @ , \$ 106.1 @ , \$ 83.7789 @ , \$  
13 @ , \$ 193.08 @ , \$ 200.611 @ , \$ 169.87 @ , \$ 196.726 @ , \$ 218.134 @ , \$ 192.662 @ , \$ 183.134 @ , \$ 180.1 @ , \$ 181.163 @ , \$ 184.763 @ , \$  
14 @ , \$ 294.355 @ , \$ 299.234 @ , \$ 309.093 @ , \$ 313.758 @ , \$ 291.562 @ , \$ 308.91 @ , \$ 291.834 @ , \$ 293.216 @ , \$ 313.975 @ , \$ 288.585 @ , \$  
15 @ , \$ 264.995 @ , \$ 268.229 @ , \$ 273.387 @ , \$ 264.862 @ , \$ 271.811 @ , \$ 278.164 @ , \$ 268.165 @ , \$ 275.264 @ , \$ 262.105 @ , \$ 272.712 @ , \$

ME19B039

Alpha = 0.0858766

post anova t-test pairs after sorting the sample means in descending order

1,8

10,14

1 @ , \$ 125.244 @ , \$ 126.75 @ , \$ 129.049 @ , \$ 122.153 @ , \$ 128.916 @ , \$ 141.689 @ , \$ 136.842 @ , \$ 133.094 @ , \$ 126.234 @ , \$ 129.655 @ , \$  
2 @ , \$ 136.345 @ , \$ 146.644 @ , \$ 151.177 @ , \$ 140.039 @ , \$ 149.618 @ , \$ 145.338 @ , \$ 148.489 @ , \$ 141.15 @ , \$ 150.677 @ , \$ 138.859 @ , \$  
3 @ , \$ 17.0612 @ , \$ 10.7077 @ , \$ 16.1229 @ , \$ 15.89 @ , \$ 13.0692 @ , \$ 26.0671 @ , \$ 8.48633 @ , \$ 23.4084 @ , \$ 22.804 @ , \$ 17.3313 @ , \$  
4 @ , \$ 193.536 @ , \$ 208.082 @ , \$ 202.754 @ , \$ 200.67 @ , \$ 196.266 @ , \$ 224.136 @ , \$ 198.864 @ , \$ 194.616 @ , \$ 203.427 @ , \$ 204.876 @ , \$  
5 @ , \$ 9.40031 @ , \$ 8.06939 @ , \$ 9.26382 @ , \$ 8.12937 @ , \$ 3.62583 @ , \$ 16.2009 @ , \$ 9.93798 @ , \$ 7.96446 @ , \$ 4.69887 @ , \$ 7.11215 @ , \$  
6 @ , \$ 145.451 @ , \$ 144.964 @ , \$ 148.954 @ , \$ 148.717 @ , \$ 146.359 @ , \$ 156.044 @ , \$ 147.406 @ , \$ 151.717 @ , \$ 150.948 @ , \$ 152.132 @ , \$

7 @, \$ 111.673 @, \$ 110.938 @, \$ 113.821 @, \$ 113.642 @, \$ 113.281 @, \$ 120.187 @, \$ 112.521 @, \$ 113.412 @, \$ 112.897 @, \$ 113.732 @, \$ 8 @, \$ 235.32 @, \$ 235.714 @, \$ 235.823 @, \$ 228.805 @, \$ 241.123 @, \$ 241.091 @, \$ 226.796 @, \$ 239.023 @, \$ 231.403 @, \$ 229.758 @, \$ 9 @, \$ 209.858 @, \$ 208.834 @, \$ 210.166 @, \$ 210.999 @, \$ 208.042 @, \$ 214.053 @, \$ 208.742 @, \$ 209.378 @, \$ 210.99 @, \$ 209.905 @, \$ 10 @, \$ 57.2398 @, \$ 56.6493 @, \$ 49.874 @, \$ 50.1195 @, \$ 53.5544 @, \$ 77.5325 @, \$ 72.7167 @, \$ 55.856 @, \$ 49.7986 @, \$ 59.9007 @, \$ 11 @, \$ 139.689 @, \$ 142.533 @, \$ 138.438 @, \$ 139.114 @, \$ 152.711 @, \$ 145.529 @, \$ 154.077 @, \$ 144.398 @, \$ 134.204 @, \$ 145.128 @, \$ 12 @, \$ 1.12684 @, \$ -8.16326 @, \$ 1.35035 @, \$ -4.95444 @, \$ 13.1422 @, \$ 33.1077 @, \$ 3.92869 @, \$ 1.28983 @, \$ -1.88457 @, \$ 5.01525 @, \$ 13 @, \$ 57.5886 @, \$ 56.3029 @, \$ 45.9678 @, \$ 55.6557 @, \$ 52.0706 @, \$ 54.1695 @, \$ 46.973 @, \$ 49.3567 @, \$ 59.0276 @, \$ 49.2097 @, \$ 14 @, \$ 122.912 @, \$ 124.882 @, \$ 123.614 @, \$ 124.665 @, \$ 125.643 @, \$ 117.524 @, \$ 120.887 @, \$ 124.058 @, \$ 123.513 @, \$ 123.376 @, \$ 15 @, \$ 280.546 @, \$ 289.19 @, \$ 286.71 @, \$ 283.188 @, \$ 283.236 @, \$ 273.883 @, \$ 293.204 @, \$ 278.743 @, \$ 277.871 @, \$ 277.953 @, \$

ME19B043

Alpha = 0.0366052

post anova t-test pairs after sorting the sample means in descending order

3,4

11,14

1 @, \$ 292.935 @, \$ 313.695 @, \$ 294.279 @, \$ 308.748 @, \$ 305.154 @, \$ 307.607 @, \$ 278.267 @, \$ 300.278 @, \$ 284.037 @, \$ 294.014 @, \$ 2 @, \$ 148.746 @, \$ 150.505 @, \$ 144.053 @, \$ 150.208 @, \$ 154.241 @, \$ 175.805 @, \$ 144.895 @, \$ 150.148 @, \$ 153.236 @, \$ 150.622 @, \$ 3 @, \$ 46.17 @, \$ 34.5861 @, \$ 28.9881 @, \$ 29.4378 @, \$ 26.9028 @, \$ 26.5458 @, \$ 47.0679 @, \$ 44.3761 @, \$ 45.0359 @, \$ 38.6949 @, \$ 4 @, \$ 178.918 @, \$ 186.202 @, \$ 203.176 @, \$ 179.437 @, \$ 176.451 @, \$ 197.595 @, \$ 192.429 @, \$ 188.101 @, \$ 179.49 @, \$ 194.447 @, \$ 5 @, \$ 246.893 @, \$ 241.352 @, \$ 243.052 @, \$ 243.342 @, \$ 221.563 @, \$ 253.64 @, \$ 256.664 @, \$ 244.158 @, \$ 241.976 @, \$ 245.401 @, \$ 6 @, \$ 262.092 @, \$ 256.235 @, \$ 255.287 @, \$ 260.217 @, \$ 258.431 @, \$ 250.969 @, \$ 254.819 @, \$ 255.535 @, \$ 255.865 @, \$ 250.578 @, \$ 7 @, \$ 236.349 @, \$ 234.731 @, \$ 251.036 @, \$ 242.181 @, \$ 235.511 @, \$ 251.107 @, \$ 243.455 @, \$ 237.157 @, \$ 242.239 @, \$ 241.453 @, \$ 8 @, \$ 227.413 @, \$ 226.835 @, \$ 233.217 @, \$ 236.681 @, \$ 227.491 @, \$ 224.266 @, \$ 233.825 @, \$ 227.774 @, \$ 231.503 @, \$ 227.085 @, \$ 9 @, \$ 167.941 @, \$ 159.524 @, \$ 155.53 @, \$ 160.91 @, \$ 173.105 @, \$ 178.156 @, \$ 179.694 @, \$ 168.609 @, \$ 162.326 @, \$ 173.273 @, \$ 10 @, \$ 296.888 @, \$ 292.547 @, \$ 292.243 @, \$ 285.261 @, \$ 296.376 @, \$ 293.644 @, \$ 285.455 @, \$ 293.241 @, \$ 294.313 @, \$ 291.926 @, \$ 11 @, \$ 52.3786 @, \$ 59.3385 @, \$ 65.5427 @, \$ 68.8359 @, \$ 69.3873 @, \$ 74.6393 @, \$ 54.1625 @, \$ 54.5565 @, \$ 84.7046 @, \$ 68.3946 @, \$ 12 @, \$ 87.1912 @, \$ 83.9489 @, \$ 85.2724 @, \$ 83.7435 @, \$ 89.808 @, \$ 95.0782 @, \$ 91.3791 @, \$ 85.4109 @, \$ 88.5169 @, \$ 80.7401 @, \$ 13 @, \$ 146.436 @, \$ 144.809 @, \$ 153.851 @, \$ 142.81 @, \$ 148.616 @, \$ 171.251 @, \$ 152.353 @, \$ 149.151 @, \$ 149.64 @, \$ 143.122 @, \$ 14 @, \$ 93.7389 @, \$ 115.046 @, \$ 106.827 @, \$ 127.449 @, \$ 111.061 @, \$ 116.678 @, \$ 124.994 @, \$ 112.514 @, \$ 106.254 @, \$ 126.49 @, \$ 15 @, \$ 218.439 @, \$ 218.129 @, \$ 199.224 @, \$ 206.605 @, \$ 210.382 @, \$ 210.538 @, \$ 205.866 @, \$

207.251 @, \$ 210.803 @, \$ 210.466 @, \$

ME19B073

Alpha = 0.0153862

post anova t-test pairs after sorting the sample means in descending order

2,5

9,15

1 @, \$ 22.7455 @, \$ 25.289 @, \$ 19.1285 @, \$ 15.406 @, \$ 8.3392 @, \$ 25.6089 @, \$ 16.9051 @, \$ 0.278836 @, \$ 16.0757 @, \$ 20.7345 @, \$  
2 @, \$ 194.526 @, \$ 174.647 @, \$ 189.54 @, \$ 189.068 @, \$ 181.588 @, \$ 196.311 @, \$ 198.6 @, \$ 177.761 @, \$ 192.825 @, \$ 177.431 @, \$  
3 @, \$ 226.935 @, \$ 232.342 @, \$ 231.454 @, \$ 235.782 @, \$ 226.07 @, \$ 242.171 @, \$ 234.362 @, \$ 232.325 @, \$ 230.752 @, \$ 232.375 @, \$  
4 @, \$ 15.9893 @, \$ 17.6033 @, \$ 22.9414 @, \$ 7.86047 @, \$ 16.6487 @, \$ 29.0842 @, \$ 11.3396 @, \$ 15.4686 @, \$ 19.1935 @, \$ 15.8218 @, \$  
5 @, \$ 137.201 @, \$ 142.702 @, \$ 135.807 @, \$ 139.812 @, \$ 132.455 @, \$ 151.892 @, \$ 143.957 @, \$ 145.225 @, \$ 136.938 @, \$ 133.423 @, \$  
6 @, \$ 272.064 @, \$ 280.453 @, \$ 273.307 @, \$ 295.759 @, \$ 277.532 @, \$ 278.96 @, \$ 284.494 @, \$ 270.416 @, \$ 284.666 @, \$ 268.186 @, \$  
7 @, \$ 226.54 @, \$ 240.188 @, \$ 233.665 @, \$ 246.3 @, \$ 234.112 @, \$ 252.014 @, \$ 231.306 @, \$ 229.281 @, \$ 236.504 @, \$ 253.779 @, \$  
8 @, \$ 243.479 @, \$ 239.334 @, \$ 255.244 @, \$ 249.499 @, \$ 239.701 @, \$ 237.453 @, \$ 233.004 @, \$ 237.169 @, \$ 239.816 @, \$ 241.769 @, \$  
9 @, \$ 52.2642 @, \$ 55.756 @, \$ 56.3639 @, \$ 47.1737 @, \$ 50.1508 @, \$ 63.9093 @, \$ 54.6045 @, \$ 46.2089 @, \$ 46.5078 @, \$ 48.3717 @, \$  
10 @, \$ 50.6309 @, \$ 49.2407 @, \$ 43.271 @, \$ 43.3971 @, \$ 45.7298 @, \$ 69.9559 @, \$ 41.7088 @, \$ 56.4933 @, \$ 47.5251 @, \$ 45.1495 @, \$  
11 @, \$ 255.667 @, \$ 263.188 @, \$ 239.679 @, \$ 255.739 @, \$ 262.192 @, \$ 284.067 @, \$ 260.167 @, \$ 262.154 @, \$ 273.959 @, \$ 261.765 @, \$  
12 @, \$ 108.239 @, \$ 100.592 @, \$ 105.062 @, \$ 101.18 @, \$ 104.819 @, \$ 118.184 @, \$ 100.387 @, \$ 106.09 @, \$ 103.881 @, \$ 96.1888 @, \$  
13 @, \$ 103.363 @, \$ 117.496 @, \$ 117.698 @, \$ 108.215 @, \$ 103.603 @, \$ 109.582 @, \$ 110.117 @, \$ 109.118 @, \$ 98.7423 @, \$ 107.047 @, \$  
14 @, \$ 204.359 @, \$ 179.306 @, \$ 186.926 @, \$ 212.963 @, \$ 210.035 @, \$ 218.177 @, \$ 194.992 @, \$ 194.393 @, \$ 213.334 @, \$ 184.019 @, \$  
15 @, \$ 114.484 @, \$ 101.358 @, \$ 106.493 @, \$ 114.77 @, \$ 114.29 @, \$ 152.021 @, \$ 120.394 @, \$ 124.098 @, \$ 110.852 @, \$ 116.589 @, \$

ME19B086

Alpha = 0.0234585

post anova t-test pairs after sorting the sample means in descending order

1,6

10,14

1 @, \$ 176.012 @, \$ 170.412 @, \$ 162.805 @, \$ 159.384 @, \$ 164.18 @, \$ 165.069 @, \$ 162.091 @, \$ 163.633 @, \$ 191.744 @, \$ 179.337 @, \$  
2 @, \$ 110.009 @, \$ 103.405 @, \$ 117.047 @, \$ 109.612 @, \$ 109.883 @, \$ 107.699 @, \$ 111.163 @, \$ 128.394 @, \$ 123.897 @, \$ 129.853 @, \$  
3 @, \$ 243.567 @, \$ 244.491 @, \$ 242.294 @, \$ 240.947 @, \$ 244.204 @, \$ 260.257 @, \$ 240.379 @, \$ 239.825 @, \$ 243.3 @, \$ 246.356 @, \$  
4 @, \$ 232.884 @, \$ 237.245 @, \$ 217.143 @, \$ 221.649 @, \$ 229.961 @, \$ 234.038 @, \$ 222.783 @, \$ 225.339 @, \$ 223.408 @, \$ 226.45 @, \$  
5 @, \$ 238.077 @, \$ 230.412 @, \$ 237.79 @, \$ 238.842 @, \$ 234.387 @, \$ 256.126 @, \$ 238.946 @, \$ 236.081

@ , \$ 236.741 @ , \$ 237.434 @ , \$  
6 @ , \$ 54.9529 @ , \$ 51.3032 @ , \$ 49.4638 @ , \$ 51.6683 @ , \$ 59.4282 @ , \$ 63.5393 @ , \$ 59.685 @ , \$ 53.1711  
@ , \$ 45.1756 @ , \$ 54.7007 @ , \$  
7 @ , \$ 158.099 @ , \$ 157.835 @ , \$ 157.246 @ , \$ 159.468 @ , \$ 152.109 @ , \$ 175.41 @ , \$ 155.45 @ , \$ 153.44 @ ,  
\$ 161.298 @ , \$ 157.154 @ , \$  
8 @ , \$ 241.34 @ , \$ 226.54 @ , \$ 234.469 @ , \$ 245.306 @ , \$ 248.49 @ , \$ 251.522 @ , \$ 247.469 @ , \$ 237.755 @ ,  
\$ 230.137 @ , \$ 251.318 @ , \$  
9 @ , \$ 273.818 @ , \$ 264.484 @ , \$ 268.632 @ , \$ 275.141 @ , \$ 278.817 @ , \$ 256.689 @ , \$ 256.624 @ , \$ 279.888  
@ , \$ 266.759 @ , \$ 259.303 @ , \$  
10 @ , \$ 117.295 @ , \$ 109.698 @ , \$ 107.938 @ , \$ 118.941 @ , \$ 121.322 @ , \$ 121.979 @ , \$ 113.31 @ , \$ 110.088  
@ , \$ 113.641 @ , \$ 112.721 @ , \$  
11 @ , \$ 177.52 @ , \$ 168.103 @ , \$ 165.722 @ , \$ 166.165 @ , \$ 164.561 @ , \$ 158.769 @ , \$ 174.196 @ , \$ 171.527  
@ , \$ 169.592 @ , \$ 165.583 @ , \$  
12 @ , \$ 67.0231 @ , \$ 62.2047 @ , \$ 66.1144 @ , \$ 66.6961 @ , \$ 65.7392 @ , \$ 76.6636 @ , \$ 67.2985 @ , \$  
68.7389 @ , \$ 71.2474 @ , \$ 75.9855 @ , \$  
13 @ , \$ 29.2278 @ , \$ 18.8718 @ , \$ 27.1177 @ , \$ 25.0911 @ , \$ 25.9749 @ , \$ 52.9193 @ , \$ 25.0713 @ , \$ 28.384  
@ , \$ 39.5338 @ , \$ 26.5006 @ , \$  
14 @ , \$ 13.9767 @ , \$ 13.607 @ , \$ 7.40819 @ , \$ 16.8717 @ , \$ 14.7268 @ , \$ 17.7916 @ , \$ 10.5897 @ , \$ 10.3265  
@ , \$ 8.15043 @ , \$ 12.5788 @ , \$  
15 @ , \$ 240.592 @ , \$ 239.661 @ , \$ 231.995 @ , \$ 237.573 @ , \$ 238.346 @ , \$ 244.187 @ , \$ 236.435 @ , \$  
231.948 @ , \$ 233.951 @ , \$ 235.75 @ , \$

ME19B089

Alpha = 0.0116758

post anova t-test pairs after sorting the sample means in descending order

3,7

10,13

1 @ , \$ 203.477 @ , \$ 208.282 @ , \$ 194.479 @ , \$ 204.205 @ , \$ 196.5 @ , \$ 198.896 @ , \$ 183.177 @ , \$ 198.714 @  
,\$ 203.429 @ , \$ 186.168 @ , \$  
2 @ , \$ 222.43 @ , \$ 221.907 @ , \$ 223.016 @ , \$ 226.759 @ , \$ 213.477 @ , \$ 250.816 @ , \$ 230.635 @ , \$ 221.352  
@ , \$ 230.338 @ , \$ 231.175 @ , \$  
3 @ , \$ 78.806 @ , \$ 89.2439 @ , \$ 94.7497 @ , \$ 86.8679 @ , \$ 67.7905 @ , \$ 107.879 @ , \$ 108.301 @ , \$ 76.7611  
@ , \$ 73.2689 @ , \$ 84.3559 @ , \$  
4 @ , \$ 86.2112 @ , \$ 63.9954 @ , \$ 61.3058 @ , \$ 59.4625 @ , \$ 54.0429 @ , \$ 74.3029 @ , \$ 57.7255 @ , \$ 68.992  
@ , \$ 55.5638 @ , \$ 54.4314 @ , \$  
5 @ , \$ 19.0477 @ , \$ 30.406 @ , \$ 35.9369 @ , \$ 18.2642 @ , \$ 16.7984 @ , \$ 35.4156 @ , \$ 15.2653 @ , \$ 5.15055  
@ , \$ 21.2589 @ , \$ 32.669 @ , \$  
6 @ , \$ 134.855 @ , \$ 139.927 @ , \$ 138.146 @ , \$ 138.029 @ , \$ 137.807 @ , \$ 130.535 @ , \$ 137.573 @ , \$ 123.727  
@ , \$ 132.733 @ , \$ 128.102 @ , \$  
7 @ , \$ 252.011 @ , \$ 241.768 @ , \$ 248.386 @ , \$ 252.352 @ , \$ 254.204 @ , \$ 261.006 @ , \$ 255.139 @ , \$ 247.903  
@ , \$ 260.565 @ , \$ 252.174 @ , \$  
8 @ , \$ 180.593 @ , \$ 162.029 @ , \$ 171.092 @ , \$ 169.213 @ , \$ 150.61 @ , \$ 186.887 @ , \$ 160.634 @ , \$ 179.447  
@ , \$ 188.07 @ , \$ 161.417 @ , \$  
9 @ , \$ 26.2805 @ , \$ 17.3115 @ , \$ 24.3927 @ , \$ 34.4408 @ , \$ 2.70576 @ , \$ 46.5236 @ , \$ 27.3265 @ , \$ 29.2017  
@ , \$ 25.2975 @ , \$ 29.318 @ , \$  
10 @ , \$ 174.23 @ , \$ 183.263 @ , \$ 166.065 @ , \$ 162.537 @ , \$ 172.564 @ , \$ 183.677 @ , \$ 158.93 @ , \$ 176.17 @  
,\$ 174.209 @ , \$ 160.794 @ , \$  
11 @ , \$ 223.69 @ , \$ 230.086 @ , \$ 229.668 @ , \$ 227.036 @ , \$ 230.392 @ , \$ 253.884 @ , \$ 223.365 @ , \$ 225.013  
@ , \$ 226.248 @ , \$ 229.331 @ , \$  
12 @ , \$ 142.318 @ , \$ 154.322 @ , \$ 161.212 @ , \$ 150.361 @ , \$ 154.504 @ , \$ 183.63 @ , \$ 160.515 @ , \$ 144.596  
@ , \$ 161.577 @ , \$ 144.29 @ , \$  
13 @ , \$ 227.527 @ , \$ 228.077 @ , \$ 226.739 @ , \$ 232.907 @ , \$ 226.783 @ , \$ 248.92 @ , \$ 230.669 @ , \$ 230.609  
@ , \$ 231 @ , \$ 233.283 @ , \$

14 @ , \$ 228.284 @ , \$ 239.073 @ , \$ 245.996 @ , \$ 250.445 @ , \$ 232.283 @ , \$ 252.31 @ , \$ 237.204 @ , \$ 247.181 @ , \$ 243.581 @ , \$ 234.476 @ , \$ 15 @ , \$ 58.3515 @ , \$ 53.7262 @ , \$ 58.5745 @ , \$ 61.4309 @ , \$ 57.6982 @ , \$ 70.6319 @ , \$ 71.2129 @ , \$ 59.3172 @ , \$ 62.9 @ , \$ 81.2894 @ , \$

#### ME19B097

Alpha = 0.0322459

post anova t-test pairs after sorting the sample means in descending order

1,6

9,14

1 @ , \$ 195.4 @ , \$ 188.871 @ , \$ 192.307 @ , \$ 190.357 @ , \$ 186.513 @ , \$ 213.447 @ , \$ 181.853 @ , \$ 194.542 @ , \$ 192.679 @ , \$ 195.796 @ , \$ 2 @ , \$ 70.9628 @ , \$ 63.5873 @ , \$ 41.5569 @ , \$ 65.384 @ , \$ 54.3512 @ , \$ 85.9924 @ , \$ 47.691 @ , \$ 60.6129 @ , \$ 66.6284 @ , \$ 50.3386 @ , \$ 3 @ , \$ 73.9644 @ , \$ 92.3851 @ , \$ 83.7902 @ , \$ 72.501 @ , \$ 74.6268 @ , \$ 98.0985 @ , \$ 94.1755 @ , \$ 81.3186 @ , \$ 87.3377 @ , \$ 80.0931 @ , \$ 4 @ , \$ 272.806 @ , \$ 290.193 @ , \$ 292.661 @ , \$ 266.271 @ , \$ 285.428 @ , \$ 284.29 @ , \$ 286.992 @ , \$ 272.344 @ , \$ 288.233 @ , \$ 279.069 @ , \$ 5 @ , \$ 273.567 @ , \$ 271.54 @ , \$ 257.992 @ , \$ 266.972 @ , \$ 275.492 @ , \$ 280.793 @ , \$ 269.36 @ , \$ 275.422 @ , \$ 261.548 @ , \$ 264.274 @ , \$ 6 @ , \$ 133.97 @ , \$ 132.735 @ , \$ 125.607 @ , \$ 138.036 @ , \$ 130.228 @ , \$ 129.552 @ , \$ 134.018 @ , \$ 120.22 @ , \$ 132.195 @ , \$ 127.671 @ , \$ 7 @ , \$ 65.2332 @ , \$ 50.2607 @ , \$ 64.6527 @ , \$ 57.6157 @ , \$ 75.388 @ , \$ 71.2713 @ , \$ 62.7999 @ , \$ 59.4265 @ , \$ 63.3138 @ , \$ 71.7973 @ , \$ 8 @ , \$ 154.905 @ , \$ 158.66 @ , \$ 159.725 @ , \$ 161.631 @ , \$ 158.255 @ , \$ 174.306 @ , \$ 158.759 @ , \$ 158.596 @ , \$ 157.598 @ , \$ 155.976 @ , \$ 9 @ , \$ 81.8269 @ , \$ 81.9149 @ , \$ 54.5555 @ , \$ 77.45 @ , \$ 94.3825 @ , \$ 82.3471 @ , \$ 77.4624 @ , \$ 87.4331 @ , \$ 87.9322 @ , \$ 89.4604 @ , \$ 10 @ , \$ 40.1833 @ , \$ 39.547 @ , \$ 38.3641 @ , \$ 37.294 @ , \$ 42.4233 @ , \$ 42.667 @ , \$ 40.8238 @ , \$ 40.5535 @ , \$ 39.3737 @ , \$ 42.2032 @ , \$ 11 @ , \$ 264.059 @ , \$ 264.009 @ , \$ 263.566 @ , \$ 263.285 @ , \$ 263.618 @ , \$ 291.831 @ , \$ 263.691 @ , \$ 262.711 @ , \$ 263.457 @ , \$ 263.527 @ , \$ 12 @ , \$ 59.4844 @ , \$ 60.2898 @ , \$ 59.1847 @ , \$ 59.0969 @ , \$ 58.081 @ , \$ 57.5728 @ , \$ 58.886 @ , \$ 58.453 @ , \$ 57.156 @ , \$ 58.4909 @ , \$ 13 @ , \$ 242.329 @ , \$ 247.871 @ , \$ 251.728 @ , \$ 247.828 @ , \$ 248.791 @ , \$ 264.862 @ , \$ 251.914 @ , \$ 245.381 @ , \$ 260.07 @ , \$ 254.725 @ , \$ 14 @ , \$ 24.0624 @ , \$ 25.7122 @ , \$ 27.3058 @ , \$ 32.0964 @ , \$ 34.0534 @ , \$ 29.9352 @ , \$ 18.2047 @ , \$ 36.006 @ , \$ 37.129 @ , \$ 20.4239 @ , \$ 15 @ , \$ 95.4699 @ , \$ 100.986 @ , \$ 82.598 @ , \$ 107.247 @ , \$ 95.7368 @ , \$ 127.72 @ , \$ 82.1179 @ , \$ 88.0523 @ , \$ 103.843 @ , \$ 93.3173 @ , \$

#### ME19B124

Alpha = 0.0943391

post anova t-test pairs after sorting the sample means in descending order

3,7

9,14

1 @ , \$ 234.071 @ , \$ 248.877 @ , \$ 246.216 @ , \$ 249.336 @ , \$ 238.854 @ , \$ 254.967 @ , \$ 237.815 @ , \$ 235.274 @ , \$ 240.522 @ , \$ 236.443 @ , \$ 2 @ , \$ 281.378 @ , \$ 295.243 @ , \$ 293.629 @ , \$ 290.475 @ , \$ 290.702 @ , \$ 277.369 @ , \$ 309.243 @ , \$ 291.42 @ , \$ 286.821 @ , \$ 293.088 @ , \$ 3 @ , \$ 75.7081 @ , \$ 69.2522 @ , \$ 76.8559 @ , \$ 92.1996 @ , \$ 69.8384 @ , \$ 105.321 @ , \$ 84.2749 @ , \$ 89.1771 @ , \$ 86.6029 @ , \$ 100.909 @ , \$

4 @, \$ 211.558 @, \$ 206.56 @, \$ 203.462 @, \$ 220.974 @, \$ 213.938 @, \$ 209.215 @, \$ 192.559 @, \$ 204.247 @, \$ 197.605 @, \$ 215.415 @, \$ 5 @, \$ 195.763 @, \$ 204.046 @, \$ 192.363 @, \$ 191.843 @, \$ 204.922 @, \$ 226.952 @, \$ 195.934 @, \$ 205.366 @, \$ 209.881 @, \$ 196.01 @, \$ 6 @, \$ 171.076 @, \$ 176.025 @, \$ 173.669 @, \$ 171.294 @, \$ 177.331 @, \$ 184.263 @, \$ 173.501 @, \$ 180.917 @, \$ 176.438 @, \$ 174.69 @, \$ 7 @, \$ 227.77 @, \$ 225.062 @, \$ 224.949 @, \$ 229.857 @, \$ 228.356 @, \$ 224.561 @, \$ 236.684 @, \$ 228.67 @, \$ 237.489 @, \$ 231.289 @, \$ 8 @, \$ 135.568 @, \$ 133.108 @, \$ 128.849 @, \$ 156.341 @, \$ 155.791 @, \$ 163.486 @, \$ 141.597 @, \$ 138.197 @, \$ 150.7 @, \$ 154.426 @, \$ 9 @, \$ 212.636 @, \$ 224.84 @, \$ 211.298 @, \$ 201.867 @, \$ 226.524 @, \$ 232.654 @, \$ 213.228 @, \$ 235.485 @, \$ 210.962 @, \$ 220.106 @, \$ 10 @, \$ 162.367 @, \$ 168.981 @, \$ 145.106 @, \$ 164.762 @, \$ 150.581 @, \$ 175.983 @, \$ 178.018 @, \$ 172.713 @, \$ 180.719 @, \$ 158.01 @, \$ 11 @, \$ 110.057 @, \$ 105.158 @, \$ 104.108 @, \$ 108.338 @, \$ 90.314 @, \$ 137.42 @, \$ 98.7908 @, \$ 93.4036 @, \$ 102.982 @, \$ 112.323 @, \$ 12 @, \$ 63.4906 @, \$ 63.8465 @, \$ 47.2283 @, \$ 54.4359 @, \$ 54.5553 @, \$ 52.8629 @, \$ 42.6752 @, \$ 36.3256 @, \$ 31.2115 @, \$ 49.4596 @, \$ 13 @, \$ 22.6999 @, \$ -6.62523 @, \$ 21.525 @, \$ -6.94364 @, \$ 4.76648 @, \$ 9.71345 @, \$ 2.90408 @, \$ 1.11063 @, \$ 16.1788 @, \$ 8.94944 @, \$ 14 @, \$ 115.524 @, \$ 125.846 @, \$ 117.427 @, \$ 123.891 @, \$ 120.525 @, \$ 119.236 @, \$ 112.677 @, \$ 122.197 @, \$ 120.547 @, \$ 116.523 @, \$ 15 @, \$ 35.173 @, \$ 19.3794 @, \$ 25.7767 @, \$ 27.6508 @, \$ 26.4488 @, \$ 48.9452 @, \$ 32.4681 @, \$ 34.6007 @, \$ 23.2135 @, \$ 33.2258 @, \$

## ME19B126

Alpha = 0.0380445

post anova t-test pairs after sorting the sample means in descending order

1,8

11,13

1 @, \$ 95.0289 @, \$ 107.481 @, \$ 103.113 @, \$ 98.0236 @, \$ 104.468 @, \$ 116.513 @, \$ 100.807 @, \$ 107.189 @, \$ 104.554 @, \$ 101.745 @, \$ 2 @, \$ 72.0686 @, \$ 65.2275 @, \$ 83.2615 @, \$ 75.1921 @, \$ 80.976 @, \$ 98.197 @, \$ 75.4633 @, \$ 72.3726 @, \$ 68.6238 @, \$ 77.8989 @, \$ 3 @, \$ 232.954 @, \$ 229.883 @, \$ 225.49 @, \$ 229.313 @, \$ 232.062 @, \$ 232.42 @, \$ 243.562 @, \$ 230.651 @, \$ 236.747 @, \$ 234.045 @, \$ 4 @, \$ 248.64 @, \$ 236.568 @, \$ 240.177 @, \$ 233.904 @, \$ 233.863 @, \$ 245.276 @, \$ 242.282 @, \$ 239.458 @, \$ 241.294 @, \$ 242.881 @, \$ 5 @, \$ 279.846 @, \$ 267.329 @, \$ 267.12 @, \$ 276.569 @, \$ 281.687 @, \$ 284.781 @, \$ 283.5 @, \$ 271.222 @, \$ 265.025 @, \$ 268.599 @, \$ 6 @, \$ 30.3488 @, \$ 30.5876 @, \$ 21.5559 @, \$ 40.3881 @, \$ 31.058 @, \$ 47.0586 @, \$ 35.0226 @, \$ 31.1536 @, \$ 32.0107 @, \$ 38.5175 @, \$ 7 @, \$ 129.419 @, \$ 123.146 @, \$ 117.651 @, \$ 127.061 @, \$ 117.112 @, \$ 125.03 @, \$ 127.682 @, \$ 134.408 @, \$ 119.721 @, \$ 123.342 @, \$ 8 @, \$ 51.5082 @, \$ 50.9894 @, \$ 45.2928 @, \$ 49.4531 @, \$ 47.4615 @, \$ 54.2252 @, \$ 53.9141 @, \$ 50.2356 @, \$ 48.7173 @, \$ 50.0638 @, \$ 9 @, \$ 209.352 @, \$ 234.788 @, \$ 216.44 @, \$ 218.057 @, \$ 218.316 @, \$ 246.678 @, \$ 209.355 @, \$ 229.338 @, \$ 236.332 @, \$ 221.463 @, \$ 10 @, \$ 212.223 @, \$ 219.034 @, \$ 225.46 @, \$ 215.049 @, \$ 219.053 @, \$ 209.293 @, \$ 222.847 @, \$ 215.398 @, \$ 219.309 @, \$ 218.584 @, \$ 11 @, \$ 10.8417 @, \$ 8.19865 @, \$ 20.8756 @, \$ 15.5803 @, \$ 18.6045 @, \$ 6.5366 @, \$ 13.6362 @, \$ 13.2419 @, \$ 5.66965 @, \$ 10.9796 @, \$ 12 @, \$ 17.7084 @, \$ 15.8962 @, \$ 23.3281 @, \$ 23.8661 @, \$ 27.8805 @, \$ 37.7793 @, \$ 8.80766 @, \$

23.2803 @, \$ 33.8239 @, \$ 23.7993 @, \$  
13 @, \$ 166.552 @, \$ 154.089 @, \$ 172.587 @, \$ 160.633 @, \$ 170.277 @, \$ 158.691 @, \$ 161.859 @, \$  
169.567 @, \$ 174.542 @, \$ 168.523 @, \$  
14 @, \$ 201.084 @, \$ 201.286 @, \$ 202.722 @, \$ 203.203 @, \$ 200.517 @, \$ 222.548 @, \$ 201.108 @, \$  
201.223 @, \$ 200.878 @, \$ 201.606 @, \$  
15 @, \$ 207.514 @, \$ 207.848 @, \$ 205.606 @, \$ 203.96 @, \$ 204.344 @, \$ 224.771 @, \$ 209.675 @, \$ 210.386  
@, \$ 206.021 @, \$ 202.236 @, \$

#### ME19B129

Alpha = 0.0975829

post anova t-test pairs after sorting the sample means in descending order

1,4

9,14

1 @, \$ 115.98 @, \$ 107.431 @, \$ 112.396 @, \$ 114.046 @, \$ 107.059 @, \$ 118.053 @, \$ 102.936 @, \$ 117.337  
@, \$ 118.919 @, \$ 102.058 @, \$  
2 @, \$ 7.17518 @, \$ 3.44132 @, \$ 3.94313 @, \$ 10.4053 @, \$ -1.64533 @, \$ 14.7798 @, \$ 6.22673 @, \$ 7.31721  
@, \$ 2.66352 @, \$ 0.402349 @, \$  
3 @, \$ 34.6306 @, \$ 21.6907 @, \$ 41.6035 @, \$ 36.5318 @, \$ 2.19752 @, \$ 50.7687 @, \$ 36.3966 @, \$ 31.8752  
@, \$ 36.5497 @, \$ 22.1961 @, \$  
4 @, \$ 116.708 @, \$ 121.786 @, \$ 114.486 @, \$ 118.795 @, \$ 108.581 @, \$ 132.826 @, \$ 119.84 @, \$ 119.895  
@, \$ 120.631 @, \$ 125.34 @, \$  
5 @, \$ 162.526 @, \$ 166.629 @, \$ 170.774 @, \$ 164.703 @, \$ 171.794 @, \$ 148.503 @, \$ 165.677 @, \$ 162.711  
@, \$ 167.596 @, \$ 181.153 @, \$  
6 @, \$ 126.843 @, \$ 122.043 @, \$ 123.432 @, \$ 139.779 @, \$ 126.88 @, \$ 139.578 @, \$ 118.326 @, \$ 138.439  
@, \$ 121.479 @, \$ 113.045 @, \$  
7 @, \$ 252.435 @, \$ 265.971 @, \$ 258.855 @, \$ 254.901 @, \$ 252.335 @, \$ 273.093 @, \$ 263.606 @, \$ 281.535  
@, \$ 259.004 @, \$ 267.35 @, \$  
8 @, \$ 142.938 @, \$ 128.25 @, \$ 122.842 @, \$ 109.033 @, \$ 130.533 @, \$ 132.014 @, \$ 133.34 @, \$ 123.014 @,  
\$, \$ 122.999 @, \$ 126.085 @, \$  
9 @, \$ 77.4611 @, \$ 76.5378 @, \$ 75.8976 @, \$ 84.474 @, \$ 82.3927 @, \$ 95.0202 @, \$ 90.0165 @, \$ 84.3656  
@, \$ 81.4454 @, \$ 82.5827 @, \$  
10 @, \$ 280.37 @, \$ 283.003 @, \$ 278.273 @, \$ 280.345 @, \$ 282.024 @, \$ 293.713 @, \$ 276.993 @, \$ 281.954  
@, \$ 286.805 @, \$ 283.978 @, \$  
11 @, \$ 168.193 @, \$ 182.213 @, \$ 177.791 @, \$ 175.117 @, \$ 184.133 @, \$ 186.9 @, \$ 172.485 @, \$ 167.901  
@, \$ 168.463 @, \$ 167.161 @, \$  
12 @, \$ 188.376 @, \$ 186.725 @, \$ 175.407 @, \$ 177.691 @, \$ 182.039 @, \$ 197.834 @, \$ 188.042 @, \$  
184.027 @, \$ 172.946 @, \$ 191.68 @, \$  
13 @, \$ 115.866 @, \$ 116.612 @, \$ 115.11 @, \$ 115.286 @, \$ 115.131 @, \$ 125.565 @, \$ 118.445 @, \$ 116.904  
@, \$ 118.11 @, \$ 115.228 @, \$  
14 @, \$ 137.271 @, \$ 149.125 @, \$ 151.355 @, \$ 165.04 @, \$ 145.389 @, \$ 141.681 @, \$ 137.983 @, \$ 143.316  
@, \$ 154.048 @, \$ 141.236 @, \$  
15 @, \$ 78.5262 @, \$ 86.3623 @, \$ 75.942 @, \$ 80.8093 @, \$ 81.3529 @, \$ 95.7124 @, \$ 78.105 @, \$ 80.1752  
@, \$ 78.1215 @, \$ 81.3807 @, \$

#### ME19B131

Alpha = 0.0716686

post anova t-test pairs after sorting the sample means in descending order

3,8

10,13

1 @, \$ 124.738 @, \$ 116.481 @, \$ 119.626 @, \$ 118.112 @, \$ 120.231 @, \$ 134.052 @, \$ 123.481 @, \$ 114.331  
@, \$ 119.112 @, \$ 119.963 @, \$  
2 @, \$ 274.399 @, \$ 266.364 @, \$ 265.838 @, \$ 266.518 @, \$ 267.29 @, \$ 272.378 @, \$ 253.376 @, \$ 261.301

@ , \$ 258.83 @ , \$ 254.9 @ , \$  
3 @ , \$ 258.703 @ , \$ 261.298 @ , \$ 256.24 @ , \$ 257.856 @ , \$ 258.61 @ , \$ 264.611 @ , \$ 246.285 @ , \$ 255.048 @  
, \$ 252.184 @ , \$ 260.006 @ , \$  
4 @ , \$ 218.422 @ , \$ 214.586 @ , \$ 223.422 @ , \$ 207.856 @ , \$ 212.92 @ , \$ 241.234 @ , \$ 223.004 @ , \$ 198.233  
@ , \$ 210.794 @ , \$ 223.132 @ , \$  
5 @ , \$ 121.939 @ , \$ 123.103 @ , \$ 126.769 @ , \$ 120.994 @ , \$ 118.718 @ , \$ 130.115 @ , \$ 123.876 @ , \$ 119.348  
@ , \$ 119.769 @ , \$ 116.465 @ , \$  
6 @ , \$ 232.586 @ , \$ 250.242 @ , \$ 227.309 @ , \$ 239.394 @ , \$ 241.377 @ , \$ 242.041 @ , \$ 228.239 @ , \$ 233.516  
@ , \$ 234.637 @ , \$ 231.607 @ , \$  
7 @ , \$ 157.865 @ , \$ 164.13 @ , \$ 150.282 @ , \$ 158.745 @ , \$ 169.635 @ , \$ 163.183 @ , \$ 150.674 @ , \$ 175.697  
@ , \$ 161.852 @ , \$ 157.679 @ , \$  
8 @ , \$ 71.0536 @ , \$ 67.5639 @ , \$ 71.4369 @ , \$ 69.8619 @ , \$ 68.3666 @ , \$ 85.508 @ , \$ 71.0629 @ , \$ 68.8594  
@ , \$ 68.9804 @ , \$ 67.6885 @ , \$  
9 @ , \$ 252.526 @ , \$ 256.815 @ , \$ 252.605 @ , \$ 253.641 @ , \$ 252.738 @ , \$ 262.958 @ , \$ 257.882 @ , \$ 248.583  
@ , \$ 248.285 @ , \$ 254.923 @ , \$  
10 @ , \$ 110.648 @ , \$ 99.7173 @ , \$ 115.69 @ , \$ 95.313 @ , \$ 123.879 @ , \$ 112.524 @ , \$ 106.084 @ , \$ 109.274  
@ , \$ 107.661 @ , \$ 101.769 @ , \$  
11 @ , \$ 174.872 @ , \$ 168.745 @ , \$ 167.549 @ , \$ 162.595 @ , \$ 173.637 @ , \$ 169.848 @ , \$ 169.871 @ , \$  
165.485 @ , \$ 176.707 @ , \$ 180.823 @ , \$  
12 @ , \$ 103.579 @ , \$ 100.913 @ , \$ 117.97 @ , \$ 111.112 @ , \$ 101.679 @ , \$ 108.917 @ , \$ 110.792 @ , \$ 97.22 @  
, \$ 101.013 @ , \$ 102.131 @ , \$  
13 @ , \$ 216.468 @ , \$ 216.435 @ , \$ 220.382 @ , \$ 215.922 @ , \$ 224.221 @ , \$ 220.692 @ , \$ 215.364 @ , \$  
222.831 @ , \$ 214.425 @ , \$ 220.966 @ , \$  
14 @ , \$ 90.2317 @ , \$ 86.6049 @ , \$ 87.6205 @ , \$ 84.2687 @ , \$ 87.7111 @ , \$ 94.66 @ , \$ 88.2173 @ , \$ 89.7851  
@ , \$ 87.5613 @ , \$ 86.2364 @ , \$  
15 @ , \$ 18.7902 @ , \$ 6.40898 @ , \$ 14.8841 @ , \$ 23.5215 @ , \$ 3.61906 @ , \$ 23.8649 @ , \$ 16.3656 @ , \$  
5.71705 @ , \$ 28.4306 @ , \$ 40.6842 @ , \$

## ME19B132

Alpha = 0.0879127

post anova t-test pairs after sorting the sample means in descending order

2,4

10,14

1 @ , \$ 228.696 @ , \$ 240.094 @ , \$ 246.673 @ , \$ 235.808 @ , \$ 234.537 @ , \$ 224.898 @ , \$ 232.604 @ , \$ 227.545  
@ , \$ 239.011 @ , \$ 241.159 @ , \$  
2 @ , \$ 224.382 @ , \$ 210.814 @ , \$ 213.863 @ , \$ 207.121 @ , \$ 206.563 @ , \$ 212.369 @ , \$ 211.352 @ , \$ 220.891  
@ , \$ 218.118 @ , \$ 213.107 @ , \$  
3 @ , \$ 0.218588 @ , \$ 19.6778 @ , \$ 7.2454 @ , \$ 12.6718 @ , \$ 5.11275 @ , \$ 34.9716 @ , \$ 19.5417 @ , \$  
-0.840646 @ , \$ 28.1708 @ , \$ 12.0032 @ , \$  
4 @ , \$ 285.033 @ , \$ 283.196 @ , \$ 287.106 @ , \$ 279.667 @ , \$ 280.465 @ , \$ 287.844 @ , \$ 284.575 @ , \$ 274.257  
@ , \$ 296.042 @ , \$ 283.542 @ , \$  
5 @ , \$ 66.7127 @ , \$ 64.6752 @ , \$ 74.4407 @ , \$ 70.538 @ , \$ 82.2744 @ , \$ 92.2434 @ , \$ 67.8522 @ , \$ 70.2417  
@ , \$ 63.0448 @ , \$ 74.2554 @ , \$  
6 @ , \$ 77.2585 @ , \$ 74.9564 @ , \$ 74.6226 @ , \$ 77.1546 @ , \$ 71.8064 @ , \$ 79.3667 @ , \$ 79.2964 @ , \$ 69.3828  
@ , \$ 81.0454 @ , \$ 78.5486 @ , \$  
7 @ , \$ 232.794 @ , \$ 233.637 @ , \$ 235.248 @ , \$ 242.749 @ , \$ 241.627 @ , \$ 247.736 @ , \$ 232.421 @ , \$ 239.584  
@ , \$ 241.059 @ , \$ 244.053 @ , \$  
8 @ , \$ 227.928 @ , \$ 243.296 @ , \$ 237.672 @ , \$ 250.578 @ , \$ 230.858 @ , \$ 249.519 @ , \$ 238.332 @ , \$ 231.666  
@ , \$ 230.428 @ , \$ 222.478 @ , \$  
9 @ , \$ 33.8121 @ , \$ 26.9514 @ , \$ 30.0164 @ , \$ 28.8745 @ , \$ 28.2902 @ , \$ 50.4587 @ , \$ 28.1924 @ , \$ 29.0959  
@ , \$ 29.6463 @ , \$ 27.3092 @ , \$  
10 @ , \$ 213.754 @ , \$ 207.828 @ , \$ 205.815 @ , \$ 209.16 @ , \$ 207.943 @ , \$ 215.081 @ , \$ 211.232 @ , \$ 210.28  
@ , \$ 204.042 @ , \$ 208.402 @ , \$

11 @ , \$ 64.4345 @ , \$ 72.1313 @ , \$ 62.4104 @ , \$ 69.0729 @ , \$ 68.592 @ , \$ 90.1912 @ , \$ 73.6058 @ , \$ 56.095 @ , \$ 70.2822 @ , \$ 62.1024 @ , \$ 12 @ , \$ 276.57 @ , \$ 276.982 @ , \$ 276.981 @ , \$ 276.446 @ , \$ 275.506 @ , \$ 298.975 @ , \$ 275.957 @ , \$ 277.262 @ , \$ 275.456 @ , \$ 278.86 @ , \$ 13 @ , \$ 133.76 @ , \$ 137.823 @ , \$ 133.799 @ , \$ 131.995 @ , \$ 139.729 @ , \$ 134.219 @ , \$ 133.668 @ , \$ 132.879 @ , \$ 127.625 @ , \$ 130.287 @ , \$ 14 @ , \$ 67.974 @ , \$ 61.645 @ , \$ 70.7659 @ , \$ 64.9923 @ , \$ 60.4814 @ , \$ 76.8042 @ , \$ 67.1468 @ , \$ 66.5441 @ , \$ 66.8223 @ , \$ 71.7251 @ , \$ 15 @ , \$ 107.914 @ , \$ 118.593 @ , \$ 120.157 @ , \$ 121.306 @ , \$ 124.406 @ , \$ 128.577 @ , \$ 110.991 @ , \$ 112.947 @ , \$ 117.658 @ , \$ 115.244 @ , \$

### ME19B135

Alpha = 0.0197506

post anova t-test pairs after sorting the sample means in descending order

3,5

9,15

1 @ , \$ 271.147 @ , \$ 270.117 @ , \$ 268.925 @ , \$ 270.101 @ , \$ 273.412 @ , \$ 283.524 @ , \$ 272.008 @ , \$ 272.357 @ , \$ 270.101 @ , \$ 272.132 @ , \$ 2 @ , \$ 188.927 @ , \$ 188.11 @ , \$ 193.725 @ , \$ 187.659 @ , \$ 187.48 @ , \$ 219.727 @ , \$ 197.647 @ , \$ 199.025 @ , \$ 187.645 @ , \$ 186.571 @ , \$ 3 @ , \$ 248.05 @ , \$ 250.449 @ , \$ 235.312 @ , \$ 247.912 @ , \$ 228.869 @ , \$ 224.762 @ , \$ 239.428 @ , \$ 245.758 @ , \$ 246.103 @ , \$ 239.255 @ , \$ 4 @ , \$ 81.5543 @ , \$ 56.3945 @ , \$ 40.4354 @ , \$ 49.1702 @ , \$ 50.0942 @ , \$ 49.8778 @ , \$ 69.88 @ , \$ 39.0245 @ , \$ 42.9369 @ , \$ 59.3339 @ , \$ 5 @ , \$ 132.509 @ , \$ 125.263 @ , \$ 93.7937 @ , \$ 122.381 @ , \$ 117.131 @ , \$ 142.92 @ , \$ 115.079 @ , \$ 108.397 @ , \$ 123.576 @ , \$ 122.022 @ , \$ 6 @ , \$ 267.677 @ , \$ 250.787 @ , \$ 274.64 @ , \$ 256.313 @ , \$ 271.33 @ , \$ 287.568 @ , \$ 268.285 @ , \$ 267.385 @ , \$ 255.712 @ , \$ 261.516 @ , \$ 7 @ , \$ 224.213 @ , \$ 221.93 @ , \$ 222.818 @ , \$ 226.228 @ , \$ 223.567 @ , \$ 236.811 @ , \$ 223.261 @ , \$ 222.28 @ , \$ 225.054 @ , \$ 223.848 @ , \$ 8 @ , \$ 195.101 @ , \$ 171.145 @ , \$ 183.958 @ , \$ 174.92 @ , \$ 188.156 @ , \$ 184.188 @ , \$ 166.565 @ , \$ 170.159 @ , \$ 195.069 @ , \$ 156.879 @ , \$ 9 @ , \$ 155.617 @ , \$ 162.338 @ , \$ 152.59 @ , \$ 158.084 @ , \$ 154.072 @ , \$ 173.211 @ , \$ 155.732 @ , \$ 159.438 @ , \$ 160.024 @ , \$ 164.78 @ , \$ 10 @ , \$ 231.888 @ , \$ 224.169 @ , \$ 225.352 @ , \$ 225.678 @ , \$ 227.355 @ , \$ 238.319 @ , \$ 224.876 @ , \$ 226.773 @ , \$ 228.67 @ , \$ 222.086 @ , \$ 11 @ , \$ 88.7055 @ , \$ 93.5848 @ , \$ 80.8371 @ , \$ 105.806 @ , \$ 98.9727 @ , \$ 98.6134 @ , \$ 98.6335 @ , \$ 83.4816 @ , \$ 81.8365 @ , \$ 97.2568 @ , \$ 12 @ , \$ 248.981 @ , \$ 255.564 @ , \$ 260.691 @ , \$ 247.887 @ , \$ 252.921 @ , \$ 251.021 @ , \$ 247.256 @ , \$ 247.447 @ , \$ 254.57 @ , \$ 257.576 @ , \$ 13 @ , \$ 88.8051 @ , \$ 116.255 @ , \$ 85.7175 @ , \$ 98.243 @ , \$ 82.3967 @ , \$ 101.095 @ , \$ 88.7837 @ , \$ 102.391 @ , \$ 105.547 @ , \$ 100.75 @ , \$ 14 @ , \$ 246.193 @ , \$ 229.913 @ , \$ 233.026 @ , \$ 258.103 @ , \$ 248.628 @ , \$ 233.758 @ , \$ 250.683 @ , \$ 253.884 @ , \$ 249.251 @ , \$ 260.018 @ , \$ 15 @ , \$ 84.2352 @ , \$ 72.8032 @ , \$ 76.5132 @ , \$ 79.6899 @ , \$ 66.7661 @ , \$ 103.424 @ , \$ 94.3131 @ , \$ 83.4037 @ , \$ 72.4165 @ , \$ 82.0361 @ , \$

### ME19B142

Alpha = 0.0520028

post anova t-test pairs after sorting the sample means in descending order

3,8

9,15

1 @ , \$ 151.707 @ , \$ 128.666 @ , \$ 141.901 @ , \$ 140.757 @ , \$ 142.317 @ , \$ 151.198 @ , \$ 124.437 @ , \$ 132.054 @ , \$ 138.239 @ , \$ 129.439 @ , \$ 2 @ , \$ 53.8481 @ , \$ 56.0228 @ , \$ 53.1825 @ , \$ 53.33 @ , \$ 58.9992 @ , \$ 70.2744 @ , \$ 55.911 @ , \$ 57.6939 @ , \$ 58.2424 @ , \$ 57.2296 @ , \$ 3 @ , \$ 206.765 @ , \$ 205.864 @ , \$ 203.506 @ , \$ 205.281 @ , \$ 204.875 @ , \$ 194.226 @ , \$ 206.776 @ , \$ 208.399 @ , \$ 205.189 @ , \$ 204.83 @ , \$ 4 @ , \$ 172.588 @ , \$ 167.407 @ , \$ 184.687 @ , \$ 185.164 @ , \$ 183.037 @ , \$ 198.422 @ , \$ 180.201 @ , \$ 177.136 @ , \$ 188.912 @ , \$ 187.723 @ , \$ 5 @ , \$ 26.952 @ , \$ 24.5487 @ , \$ 32.3297 @ , \$ 32.6237 @ , \$ 35.3623 @ , \$ 48.06 @ , \$ 31.8415 @ , \$ 28.4421 @ , \$ 30.2118 @ , \$ 26.9964 @ , \$ 6 @ , \$ 184.667 @ , \$ 180.886 @ , \$ 186.34 @ , \$ 185.418 @ , \$ 184.541 @ , \$ 195.809 @ , \$ 179.855 @ , \$ 183.288 @ , \$ 186.781 @ , \$ 184.007 @ , \$ 7 @ , \$ 111.905 @ , \$ 117.638 @ , \$ 119.128 @ , \$ 119.876 @ , \$ 130.833 @ , \$ 138.823 @ , \$ 115.806 @ , \$ 119.461 @ , \$ 121.416 @ , \$ 121.936 @ , \$ 8 @ , \$ 45.7516 @ , \$ 45.1392 @ , \$ 43.7901 @ , \$ 45.54 @ , \$ 44.2521 @ , \$ 59.5179 @ , \$ 40.5222 @ , \$ 50.0095 @ , \$ 44.2762 @ , \$ 51.3276 @ , \$ 9 @ , \$ 219.041 @ , \$ 213.522 @ , \$ 236.596 @ , \$ 214.412 @ , \$ 225.744 @ , \$ 228.328 @ , \$ 219.954 @ , \$ 227.405 @ , \$ 217.18 @ , \$ 207.633 @ , \$ 10 @ , \$ 87.3555 @ , \$ 101.045 @ , \$ 91.5561 @ , \$ 96.7166 @ , \$ 78.6549 @ , \$ 105.819 @ , \$ 80.2527 @ , \$ 61.8019 @ , \$ 74.2518 @ , \$ 76.3006 @ , \$ 11 @ , \$ 1.71144 @ , \$ 12.529 @ , \$ 14.43 @ , \$ 28.2452 @ , \$ 8.01459 @ , \$ 5.04293 @ , \$ 12.8285 @ , \$ 7.64253 @ , \$ 6.26954 @ , \$ 10.3822 @ , \$ 12 @ , \$ 90.8025 @ , \$ 87.6148 @ , \$ 86.6156 @ , \$ 86.8399 @ , \$ 88.6996 @ , \$ 100.323 @ , \$ 77.5429 @ , \$ 73.8079 @ , \$ 97.9581 @ , \$ 74.5532 @ , \$ 13 @ , \$ 273.306 @ , \$ 281.847 @ , \$ 286.756 @ , \$ 295.906 @ , \$ 281.279 @ , \$ 314.218 @ , \$ 289.113 @ , \$ 284.118 @ , \$ 288.951 @ , \$ 281.588 @ , \$ 14 @ , \$ 64.6978 @ , \$ 67.068 @ , \$ 66.7194 @ , \$ 65.5248 @ , \$ 68.3899 @ , \$ 80.7193 @ , \$ 62.324 @ , \$ 63.4302 @ , \$ 59.3673 @ , \$ 54.206 @ , \$ 15 @ , \$ 279.865 @ , \$ 272.972 @ , \$ 279.063 @ , \$ 284.081 @ , \$ 271.403 @ , \$ 287.568 @ , \$ 280.529 @ , \$ 273.325 @ , \$ 282.162 @ , \$ 279.385 @ , \$

### ME19B143

Alpha = 0.058761

post anova t-test pairs after sorting the sample means in descending order

2,4

9,15

1 @ , \$ 253.875 @ , \$ 254.638 @ , \$ 258.401 @ , \$ 251.741 @ , \$ 274.784 @ , \$ 247.599 @ , \$ 259.818 @ , \$ 261.227 @ , \$ 265.826 @ , \$ 267.373 @ , \$ 2 @ , \$ 260.331 @ , \$ 243.361 @ , \$ 250.155 @ , \$ 253.066 @ , \$ 260.055 @ , \$ 264.235 @ , \$ 250.519 @ , \$ 263.654 @ , \$ 249.665 @ , \$ 260.053 @ , \$ 3 @ , \$ 264.138 @ , \$ 262.562 @ , \$ 270.309 @ , \$ 264.28 @ , \$ 261.334 @ , \$ 256.379 @ , \$ 255.251 @ , \$ 250.764 @ , \$ 263.383 @ , \$ 258.998 @ , \$ 4 @ , \$ 76.9101 @ , \$ 85.1757 @ , \$ 74.2401 @ , \$ 77.0154 @ , \$ 80.3879 @ , \$ 98.1098 @ , \$ 81.5835 @ , \$ 78.8385 @ , \$ 87.1484 @ , \$ 86.9722 @ , \$ 5 @ , \$ 244.413 @ , \$ 250.038 @ , \$ 243.621 @ , \$ 233.741 @ , \$ 235.61 @ , \$ 251.087 @ , \$ 237.129 @ , \$ 240.384 @ , \$ 244.499 @ , \$ 241.476 @ , \$ 6 @ , \$ 37.8057 @ , \$ 36.4379 @ , \$ 50.5926 @ , \$ 38.0447 @ , \$ 37.8386 @ , \$ 74.8518 @ , \$ 45.057 @ , \$ 34.4406 @ , \$ 44.1359 @ , \$ 33.9322 @ , \$ 7 @ , \$ 251.387 @ , \$ 250.608 @ , \$ 257.906 @ , \$ 252.204 @ , \$ 252.961 @ , \$ 259.607 @ , \$ 247.491 @ , \$ 256.338 @ , \$ 248.962 @ , \$ 253.586 @ , \$ 8 @ , \$ 224.76 @ , \$ 230.807 @ , \$ 230.509 @ , \$ 221.836 @ , \$ 225.901 @ , \$ 231.835 @ , \$ 224.362 @ , \$ 225.21 @ , \$ 229.827 @ , \$ 223.038 @ , \$ 9 @ , \$ 192.336 @ , \$ 191.24 @ , \$ 182.69 @ , \$ 191.72 @ , \$ 178.79 @ , \$ 196.546 @ , \$ 186.434 @ , \$ 179.574 @ , \$

200.766 @, \$ 175.492 @, \$  
10 @, \$ 218.072 @, \$ 217.032 @, \$ 212.393 @, \$ 220.697 @, \$ 214.724 @, \$ 223.454 @, \$ 230.752 @, \$  
218.764 @, \$ 220.066 @, \$ 218.763 @, \$  
11 @, \$ 23.4324 @, \$ 19.0317 @, \$ 24.2557 @, \$ 16.9196 @, \$ 13.4086 @, \$ 34.1904 @, \$ 16.7112 @, \$  
24.2676 @, \$ 16.3058 @, \$ 22.6723 @, \$  
12 @, \$ 74.7416 @, \$ 80.8245 @, \$ 83.6493 @, \$ 83.0608 @, \$ 81.6944 @, \$ 97.5469 @, \$ 70.247 @, \$ 97.6804  
@, \$ 78.2903 @, \$ 78.9172 @, \$  
13 @, \$ 292.582 @, \$ 291.229 @, \$ 259.254 @, \$ 284.565 @, \$ 303.602 @, \$ 289.825 @, \$ 292.361 @, \$  
294.098 @, \$ 273.522 @, \$ 276.116 @, \$  
14 @, \$ 26.5791 @, \$ 36.174 @, \$ 41.7789 @, \$ 35.0648 @, \$ 19.0502 @, \$ 40.7875 @, \$ 34.2716 @, \$ 23.3845  
@, \$ 37.3736 @, \$ 51.2581 @, \$  
15 @, \$ -8.96886 @, \$ -3.95776 @, \$ -3.23948 @, \$ 0.0238046 @, \$ 1.43357 @, \$ 10.6915 @, \$ -0.866999 @, \$  
-6.33024 @, \$ -2.75193 @, \$ -1.56886 @, \$

#### ME19B180

Alpha = 0.0564782

post anova t-test pairs after sorting the sample means in descending order

1,5

9,15

1 @, \$ 216.717 @, \$ 213.715 @, \$ 208.139 @, \$ 218.528 @, \$ 221.552 @, \$ 201.193 @, \$ 217.789 @, \$ 212.717  
@, \$ 236.225 @, \$ 219.381 @, \$  
2 @, \$ 170.52 @, \$ 167.576 @, \$ 177.782 @, \$ 180.249 @, \$ 167.721 @, \$ 187.582 @, \$ 154.272 @, \$ 192.129  
@, \$ 171.012 @, \$ 162.876 @, \$  
3 @, \$ 79.9896 @, \$ 104.473 @, \$ 104.935 @, \$ 95.2485 @, \$ 101.737 @, \$ 100.423 @, \$ 89.6113 @, \$ 97.3836  
@, \$ 91.781 @, \$ 102.154 @, \$  
4 @, \$ 280.532 @, \$ 284.041 @, \$ 291.269 @, \$ 294.315 @, \$ 284.039 @, \$ 302.505 @, \$ 287.197 @, \$ 288.218  
@, \$ 284.889 @, \$ 288.713 @, \$  
5 @, \$ 72.9037 @, \$ 81.4561 @, \$ 65.6855 @, \$ 64.6126 @, \$ 82.7405 @, \$ 91.8684 @, \$ 79.9284 @, \$ 60.9067  
@, \$ 62.6429 @, \$ 73.4508 @, \$  
6 @, \$ 92.5664 @, \$ 95.301 @, \$ 93.8748 @, \$ 94.8678 @, \$ 94.6692 @, \$ 106.455 @, \$ 92.5712 @, \$ 94.0645  
@, \$ 94.3912 @, \$ 91.5027 @, \$  
7 @, \$ 179.885 @, \$ 179.929 @, \$ 188.659 @, \$ 182.088 @, \$ 200.713 @, \$ 198.289 @, \$ 165.053 @, \$ 188.795  
@, \$ 181.017 @, \$ 167.49 @, \$  
8 @, \$ 267.803 @, \$ 268.677 @, \$ 266.068 @, \$ 261.404 @, \$ 264.762 @, \$ 250.451 @, \$ 269.976 @, \$ 250.613  
@, \$ 257.988 @, \$ 248.745 @, \$  
9 @, \$ 69.7553 @, \$ 81.0258 @, \$ 78.1729 @, \$ 74.2981 @, \$ 81.5802 @, \$ 76.1204 @, \$ 79.0078 @, \$ 76.7016  
@, \$ 65.7199 @, \$ 75.7834 @, \$  
10 @, \$ 283.38 @, \$ 288.549 @, \$ 287.417 @, \$ 300.523 @, \$ 295.734 @, \$ 304.08 @, \$ 288.081 @, \$ 284.828  
@, \$ 292.053 @, \$ 289.008 @, \$  
11 @, \$ 183.372 @, \$ 185.907 @, \$ 182.874 @, \$ 182.44 @, \$ 192.913 @, \$ 192.606 @, \$ 190.462 @, \$ 192.871  
@, \$ 174.591 @, \$ 185.901 @, \$  
12 @, \$ 225.211 @, \$ 239.166 @, \$ 233.838 @, \$ 240.002 @, \$ 227.906 @, \$ 224.678 @, \$ 229.066 @, \$  
228.702 @, \$ 224.863 @, \$ 229.432 @, \$  
13 @, \$ 103.231 @, \$ 91.1446 @, \$ 87.299 @, \$ 82.7574 @, \$ 89.7222 @, \$ 85.3872 @, \$ 104.241 @, \$ 97.8359  
@, \$ 82.2788 @, \$ 99.1741 @, \$  
14 @, \$ 234.236 @, \$ 245.098 @, \$ 227.598 @, \$ 243.467 @, \$ 221.673 @, \$ 285.241 @, \$ 230.856 @, \$  
237.826 @, \$ 235.841 @, \$ 218.568 @, \$  
15 @, \$ 14.9576 @, \$ 12.44 @, \$ 14.4245 @, \$ 11.5319 @, \$ 17.023 @, \$ 21.3855 @, \$ 7.02876 @, \$ 12.3419 @,  
\$ 13.6095 @, \$ 15.7241 @, \$

#### ME19B187

Alpha = 0.0978741

post anova t-test pairs after sorting the sample means in descending order

2,4

11,13

1 @ , \$ 226.887 @ , \$ 239.003 @ , \$ 232.854 @ , \$ 242.205 @ , \$ 223.573 @ , \$ 250.086 @ , \$ 232.278 @ , \$ 240.732 @ , \$ 234.007 @ , \$ 239.566 @ , \$  
2 @ , \$ 216.033 @ , \$ 224.483 @ , \$ 236.955 @ , \$ 211.785 @ , \$ 219.236 @ , \$ 231.117 @ , \$ 215.779 @ , \$ 224.256 @ , \$ 221.457 @ , \$ 214.178 @ , \$  
3 @ , \$ 237.995 @ , \$ 230.297 @ , \$ 231.353 @ , \$ 232.963 @ , \$ 238.185 @ , \$ 265.267 @ , \$ 229.576 @ , \$ 235.442 @ , \$ 221.284 @ , \$ 232.018 @ , \$  
4 @ , \$ 9.09007 @ , \$ 18.6016 @ , \$ 23.9624 @ , \$ 29.946 @ , \$ 21.7087 @ , \$ 35.7662 @ , \$ 24.218 @ , \$ 19.5731 @ , \$ 22.7864 @ , \$ 7.17563 @ , \$  
5 @ , \$ 207.778 @ , \$ 208.877 @ , \$ 218.592 @ , \$ 219.832 @ , \$ 209.157 @ , \$ 244.662 @ , \$ 211.55 @ , \$ 222.6 @ , \$ 229.528 @ , \$ 223.115 @ , \$  
6 @ , \$ 240.801 @ , \$ 274.32 @ , \$ 276.793 @ , \$ 253.614 @ , \$ 242.477 @ , \$ 255.297 @ , \$ 264.998 @ , \$ 241.498 @ , \$ 266.621 @ , \$ 259.922 @ , \$  
7 @ , \$ 217.377 @ , \$ 194.572 @ , \$ 213.701 @ , \$ 201.847 @ , \$ 221.158 @ , \$ 221.472 @ , \$ 215.404 @ , \$ 212.248 @ , \$ 211.502 @ , \$ 192.547 @ , \$  
8 @ , \$ 48.4509 @ , \$ 45.8085 @ , \$ 36.7253 @ , \$ 43.5944 @ , \$ 32.6889 @ , \$ 67.0728 @ , \$ 41.6618 @ , \$ 40.128 @ , \$ 50.0013 @ , \$ 38.6732 @ , \$  
9 @ , \$ 152.851 @ , \$ 153.297 @ , \$ 145.976 @ , \$ 155.141 @ , \$ 154.992 @ , \$ 152.204 @ , \$ 151.417 @ , \$ 155.321 @ , \$ 151.465 @ , \$ 154.18 @ , \$  
10 @ , \$ 251.137 @ , \$ 245.3 @ , \$ 251.951 @ , \$ 240.869 @ , \$ 245.393 @ , \$ 250.671 @ , \$ 251.103 @ , \$ 241.961 @ , \$ 239.549 @ , \$ 246.576 @ , \$  
11 @ , \$ 193.399 @ , \$ 157.246 @ , \$ 160.446 @ , \$ 159.485 @ , \$ 177.614 @ , \$ 177.16 @ , \$ 166.665 @ , \$ 187.135 @ , \$ 190.115 @ , \$ 184.116 @ , \$  
12 @ , \$ 143.928 @ , \$ 142.352 @ , \$ 147.595 @ , \$ 148.026 @ , \$ 149.457 @ , \$ 140.301 @ , \$ 160.316 @ , \$ 137.005 @ , \$ 145.22 @ , \$ 153.453 @ , \$  
13 @ , \$ 14.386 @ , \$ 0.0875084 @ , \$ 1.96432 @ , \$ 6.68444 @ , \$ 13.3765 @ , \$ 33.4919 @ , \$ 10.5182 @ , \$ 8.99199 @ , \$ 3.92338 @ , \$ 11.5463 @ , \$  
14 @ , \$ 126.394 @ , \$ 144.975 @ , \$ 147.712 @ , \$ 149.702 @ , \$ 118.112 @ , \$ 138.661 @ , \$ 131.521 @ , \$ 149.058 @ , \$ 152.154 @ , \$ 138.617 @ , \$  
15 @ , \$ 14.0646 @ , \$ 8.66846 @ , \$ 15.2016 @ , \$ 22.4969 @ , \$ -3.08821 @ , \$ 28.4084 @ , \$ 25.8847 @ , \$ -3.40435 @ , \$ -1.4173 @ , \$ 9.33955 @ , \$

ME19B189

Alpha = 0.0183884

post anova t-test pairs after sorting the sample means in descending order

1,8

9,13

1 @ , \$ 220.515 @ , \$ 199.73 @ , \$ 204.515 @ , \$ 225.164 @ , \$ 216.914 @ , \$ 214.158 @ , \$ 218.047 @ , \$ 209.899 @ , \$ 221.743 @ , \$ 215.877 @ , \$  
2 @ , \$ 156.304 @ , \$ 153.618 @ , \$ 157.375 @ , \$ 159.085 @ , \$ 157.868 @ , \$ 164.465 @ , \$ 145.648 @ , \$ 157.098 @ , \$ 152.642 @ , \$ 152.635 @ , \$  
3 @ , \$ 218.244 @ , \$ 223.66 @ , \$ 224.661 @ , \$ 226.413 @ , \$ 223.689 @ , \$ 238.323 @ , \$ 225.21 @ , \$ 228.274 @ , \$ 216.862 @ , \$ 223.312 @ , \$  
4 @ , \$ 170.352 @ , \$ 177.795 @ , \$ 179.826 @ , \$ 176.609 @ , \$ 167.616 @ , \$ 202.45 @ , \$ 166.342 @ , \$ 157.139 @ , \$ 174.664 @ , \$ 172.893 @ , \$  
5 @ , \$ 290.664 @ , \$ 296.519 @ , \$ 302.002 @ , \$ 294.882 @ , \$ 296.037 @ , \$ 296.295 @ , \$ 285.026 @ , \$ 294.565 @ , \$ 287.828 @ , \$ 288.335 @ , \$  
6 @ , \$ 86.0375 @ , \$ 73.5195 @ , \$ 78.3918 @ , \$ 92.3486 @ , \$ 89.1409 @ , \$ 89.9883 @ , \$ 97.5442 @ , \$ 96.5926 @ , \$ 112.557 @ , \$ 91.36 @ , \$  
7 @ , \$ 16.7601 @ , \$ 34.2576 @ , \$ 26.4923 @ , \$ 39.3304 @ , \$ 28.1581 @ , \$ 47.756 @ , \$ 37.1301 @ , \$ 41.6565 @ , \$ 23.9342 @ , \$ 37.2369 @ , \$

8 @, \$ 152.299 @, \$ 156.676 @, \$ 155.794 @, \$ 159.182 @, \$ 156.958 @, \$ 166.99 @, \$ 161.093 @, \$ 161.291 @, \$ 161.085 @, \$ 157.454 @, \$ 9 @, \$ 129.271 @, \$ 127.929 @, \$ 127.86 @, \$ 129.304 @, \$ 129.15 @, \$ 142.646 @, \$ 129.535 @, \$ 129.662 @, \$ 128.649 @, \$ 129.048 @, \$ 10 @, \$ 182.934 @, \$ 203.133 @, \$ 203.523 @, \$ 188.433 @, \$ 191.303 @, \$ 197.911 @, \$ 193.185 @, \$ 186.028 @, \$ 195.005 @, \$ 185.809 @, \$ 11 @, \$ 198.722 @, \$ 195.284 @, \$ 188.159 @, \$ 199.645 @, \$ 182.597 @, \$ 231.352 @, \$ 206.468 @, \$ 210.44 @, \$ 209.124 @, \$ 203.741 @, \$ 12 @, \$ 44.5563 @, \$ 49.3537 @, \$ 43.8664 @, \$ 35.8826 @, \$ 57.7686 @, \$ 60.3598 @, \$ 44.4187 @, \$ 53.8855 @, \$ 59.8122 @, \$ 45.922 @, \$ 13 @, \$ 290.747 @, \$ 290.933 @, \$ 279.069 @, \$ 285.264 @, \$ 303.463 @, \$ 287.287 @, \$ 271.684 @, \$ 281.992 @, \$ 302.72 @, \$ 281.606 @, \$ 14 @, \$ 296.975 @, \$ 302.491 @, \$ 292.26 @, \$ 293.092 @, \$ 288.003 @, \$ 280.077 @, \$ 290.445 @, \$ 302.351 @, \$ 291.106 @, \$ 305.519 @, \$ 15 @, \$ 114.402 @, \$ 112.436 @, \$ 111.173 @, \$ 124.312 @, \$ 120.829 @, \$ 120.662 @, \$ 125.119 @, \$ 111.76 @, \$ 110.993 @, \$ 124.889 @, \$

MM19B004

Alpha = 0.0829038

post anova t-test pairs after sorting the sample means in descending order

2,4

9,14

1 @, \$ 111.267 @, \$ 113.143 @, \$ 115.662 @, \$ 110.072 @, \$ 118.106 @, \$ 116.384 @, \$ 114.253 @, \$ 120.72 @, \$ 120.111 @, \$ 110.246 @, \$ 2 @, \$ 58.0254 @, \$ 45.7982 @, \$ 56.8462 @, \$ 65.7075 @, \$ 54.888 @, \$ 83.646 @, \$ 56.2256 @, \$ 65.281 @, \$ 46.1823 @, \$ 58.8712 @, \$ 3 @, \$ 141.201 @, \$ 144.63 @, \$ 143.429 @, \$ 150.388 @, \$ 153.922 @, \$ 158.663 @, \$ 145.098 @, \$ 144.451 @, \$ 142.501 @, \$ 162.049 @, \$ 4 @, \$ 252.682 @, \$ 237.68 @, \$ 243.473 @, \$ 250.484 @, \$ 254.193 @, \$ 265.432 @, \$ 242.771 @, \$ 238.103 @, \$ 261.044 @, \$ 262.788 @, \$ 5 @, \$ 194.748 @, \$ 200.853 @, \$ 186.696 @, \$ 203.006 @, \$ 197.148 @, \$ 198.318 @, \$ 196.701 @, \$ 186.185 @, \$ 194.558 @, \$ 189.236 @, \$ 6 @, \$ 13.6162 @, \$ 26.0241 @, \$ 2.70443 @, \$ 27.6916 @, \$ 1.79965 @, \$ 28.5367 @, \$ 16.4723 @, \$ 33.3617 @, \$ 10.1289 @, \$ 11.3085 @, \$ 7 @, \$ 74.8325 @, \$ 74.6808 @, \$ 67.6166 @, \$ 75.7366 @, \$ 75.225 @, \$ 104.824 @, \$ 65.9555 @, \$ 89.9396 @, \$ 73.0589 @, \$ 70.3268 @, \$ 8 @, \$ 103.503 @, \$ 105.628 @, \$ 101.841 @, \$ 105.547 @, \$ 101.485 @, \$ 70.3034 @, \$ 102.789 @, \$ 87.8804 @, \$ 112.052 @, \$ 99.5134 @, \$ 9 @, \$ 217.029 @, \$ 214.122 @, \$ 207.249 @, \$ 214.803 @, \$ 213.42 @, \$ 227.733 @, \$ 213.586 @, \$ 207.602 @, \$ 212.483 @, \$ 206.991 @, \$ 10 @, \$ 241.849 @, \$ 244.102 @, \$ 244.487 @, \$ 254.317 @, \$ 233.142 @, \$ 258.767 @, \$ 236.922 @, \$ 238.291 @, \$ 243.714 @, \$ 244.486 @, \$ 11 @, \$ 172.798 @, \$ 171.717 @, \$ 170.426 @, \$ 170.446 @, \$ 170.535 @, \$ 170.304 @, \$ 172.581 @, \$ 175.542 @, \$ 171.786 @, \$ 171.306 @, \$ 12 @, \$ 118.448 @, \$ 104.99 @, \$ 114.548 @, \$ 106.78 @, \$ 96.3897 @, \$ 133.397 @, \$ 98.5768 @, \$ 117.074 @, \$ 121.208 @, \$ 117.831 @, \$ 13 @, \$ 266.935 @, \$ 258.453 @, \$ 268.073 @, \$ 263.009 @, \$ 257.214 @, \$ 275.493 @, \$ 251.133 @, \$ 257.79 @, \$ 252.105 @, \$ 266.169 @, \$ 14 @, \$ 140.512 @, \$ 147.819 @, \$ 157.712 @, \$ 139.614 @, \$ 140.577 @, \$ 149.176 @, \$ 151.846 @, \$ 153.122 @, \$ 143.625 @, \$ 162.363 @, \$ 15 @, \$ 233.315 @, \$ 225.525 @, \$ 252.213 @, \$ 242.2 @, \$ 235.703 @, \$ 241.868 @, \$ 234.738 @, \$ 234.356 @, \$ 231.35 @, \$ 232.741 @, \$

MM19B006

Alpha = 0.0254466

post anova t-test pairs after sorting the sample means in descending order

1,4

12,14

1 @ , \$ 295.365 @ , \$ 284.684 @ , \$ 284.821 @ , \$ 301.343 @ , \$ 288.031 @ , \$ 298.258 @ , \$ 293.49 @ , \$ 294.693 @ , \$ 296.94 @ , \$ 289.233 @ , \$ 2 @ , \$ 259.753 @ , \$ 264.461 @ , \$ 263.383 @ , \$ 262.864 @ , \$ 259.885 @ , \$ 282.189 @ , \$ 264.514 @ , \$ 262.785 @ , \$ 259.527 @ , \$ 256.024 @ , \$ 3 @ , \$ 32.7533 @ , \$ 29.8243 @ , \$ 37.7316 @ , \$ 27.026 @ , \$ 38.8283 @ , \$ 35.8771 @ , \$ 36.588 @ , \$ 24.36 @ , \$ 32.1786 @ , \$ 30.4996 @ , \$ 4 @ , \$ 279.843 @ , \$ 280.959 @ , \$ 288.979 @ , \$ 279.936 @ , \$ 281.529 @ , \$ 297.292 @ , \$ 281.166 @ , \$ 273.513 @ , \$ 272.28 @ , \$ 282.713 @ , \$ 5 @ , \$ 176.272 @ , \$ 181.964 @ , \$ 198.769 @ , \$ 173.07 @ , \$ 193.429 @ , \$ 208.698 @ , \$ 197.316 @ , \$ 180.515 @ , \$ 181.562 @ , \$ 180.11 @ , \$ 6 @ , \$ 258.023 @ , \$ 275.021 @ , \$ 252.629 @ , \$ 261.586 @ , \$ 266.606 @ , \$ 280.818 @ , \$ 262.231 @ , \$ 253.657 @ , \$ 266.228 @ , \$ 281.864 @ , \$ 7 @ , \$ 203.548 @ , \$ 213.896 @ , \$ 196.864 @ , \$ 186.218 @ , \$ 202.354 @ , \$ 245.306 @ , \$ 194.257 @ , \$ 194.779 @ , \$ 201.958 @ , \$ 192.515 @ , \$ 8 @ , \$ 95.0558 @ , \$ 90.5403 @ , \$ 99.419 @ , \$ 91.7166 @ , \$ 95.5867 @ , \$ 107.149 @ , \$ 106.437 @ , \$ 104.506 @ , \$ 96.5473 @ , \$ 99.8815 @ , \$ 9 @ , \$ 206.699 @ , \$ 203.393 @ , \$ 193.672 @ , \$ 210.63 @ , \$ 203.89 @ , \$ 206.619 @ , \$ 200.587 @ , \$ 196.297 @ , \$ 192.134 @ , \$ 210.884 @ , \$ 10 @ , \$ 274.541 @ , \$ 274.241 @ , \$ 268.012 @ , \$ 282.318 @ , \$ 282.987 @ , \$ 303.853 @ , \$ 283.556 @ , \$ 280.411 @ , \$ 276.547 @ , \$ 278.137 @ , \$ 11 @ , \$ 205.29 @ , \$ 210.895 @ , \$ 199.558 @ , \$ 208.417 @ , \$ 217.414 @ , \$ 188.651 @ , \$ 204.674 @ , \$ 216.107 @ , \$ 206.307 @ , \$ 197.542 @ , \$ 12 @ , \$ 145.189 @ , \$ 133.845 @ , \$ 129.723 @ , \$ 123.562 @ , \$ 137.004 @ , \$ 145.385 @ , \$ 126.83 @ , \$ 137.465 @ , \$ 138.835 @ , \$ 144.052 @ , \$ 13 @ , \$ 171.261 @ , \$ 174.932 @ , \$ 185.868 @ , \$ 175.812 @ , \$ 169.716 @ , \$ 179.594 @ , \$ 185.718 @ , \$ 181.225 @ , \$ 176.51 @ , \$ 191.006 @ , \$ 14 @ , \$ 183.041 @ , \$ 182.917 @ , \$ 183.103 @ , \$ 183.687 @ , \$ 182.726 @ , \$ 191.255 @ , \$ 183.708 @ , \$ 182.381 @ , \$ 183.64 @ , \$ 181.737 @ , \$ 15 @ , \$ 117.074 @ , \$ 114.895 @ , \$ 117.258 @ , \$ 128.749 @ , \$ 111.806 @ , \$ 125.008 @ , \$ 132.117 @ , \$ 99.2874 @ , \$ 112.561 @ , \$ 110.643 @ , \$

MM19B007

Alpha = 0.0569519

post anova t-test pairs after sorting the sample means in descending order

3,4

9,13

1 @ , \$ 98.47 @ , \$ 81.9734 @ , \$ 88.1352 @ , \$ 91.5033 @ , \$ 104.699 @ , \$ 102.118 @ , \$ 93.3537 @ , \$ 97.5215 @ , \$ 100.826 @ , \$ 88.3425 @ , \$ 2 @ , \$ 172.373 @ , \$ 191.866 @ , \$ 174.281 @ , \$ 190.237 @ , \$ 189.674 @ , \$ 194.174 @ , \$ 182.685 @ , \$ 173.771 @ , \$ 179.954 @ , \$ 171.744 @ , \$ 3 @ , \$ 34.9086 @ , \$ 43.9361 @ , \$ 32.3599 @ , \$ 38.1139 @ , \$ 38.0151 @ , \$ 40.6593 @ , \$ 31.9652 @ , \$ 14.9957 @ , \$ 39.0622 @ , \$ 39.5722 @ , \$ 4 @ , \$ 119.528 @ , \$ 111.753 @ , \$ 137.761 @ , \$ 97.8589 @ , \$ 90.7671 @ , \$ 102.772 @ , \$ 102.976 @ , \$ 109.54 @ , \$ 96.4182 @ , \$ 102.367 @ , \$ 5 @ , \$ 243.025 @ , \$ 245.785 @ , \$ 245.227 @ , \$ 241.332 @ , \$ 226.96 @ , \$ 229.36 @ , \$ 223.9 @ , \$ 257.285 @ , \$ 237.958 @ , \$ 243.759 @ , \$ 6 @ , \$ 12.2907 @ , \$ 12.1384 @ , \$ 20.4696 @ , \$ 28.2973 @ , \$ 16.8079 @ , \$ 31.1596 @ , \$ 20.1494 @ , \$ 23.8972

@, \$ 16.434 @, \$ 17.1253 @, \$  
7 @, \$ 148.966 @, \$ 148.821 @, \$ 141.727 @, \$ 124.368 @, \$ 139.446 @, \$ 173.884 @, \$ 124.644 @, \$ 134.957  
@, \$ 142.965 @, \$ 127.061 @, \$  
8 @, \$ 130.866 @, \$ 128.274 @, \$ 153.867 @, \$ 123.171 @, \$ 133.416 @, \$ 138.974 @, \$ 130.378 @, \$ 128.594  
@, \$ 137.651 @, \$ 136.64 @, \$  
9 @, \$ 67.214 @, \$ 62.315 @, \$ 55.3781 @, \$ 44.6265 @, \$ 58.6432 @, \$ 45.5501 @, \$ 66.9567 @, \$ 54.2137 @,  
\$, \$ 54.509 @, \$ 77.681 @, \$  
10 @, \$ 211.793 @, \$ 230.177 @, \$ 215.644 @, \$ 217.064 @, \$ 207.434 @, \$ 224.063 @, \$ 222.204 @, \$ 212.06  
@, \$ 228.173 @, \$ 222.85 @, \$  
11 @, \$ 210.571 @, \$ 206.117 @, \$ 206.53 @, \$ 200.173 @, \$ 203.628 @, \$ 227.461 @, \$ 207.077 @, \$ 220.097  
@, \$ 218.108 @, \$ 207.132 @, \$  
12 @, \$ 17.9496 @, \$ 29.7129 @, \$ 12.7244 @, \$ 6.26903 @, \$ -4.05586 @, \$ 38.7328 @, \$ 7.5254 @, \$ 28.2887  
@, \$ 19.4865 @, \$ 32.8713 @, \$  
13 @, \$ 80.62 @, \$ 85.2941 @, \$ 85.4898 @, \$ 77.0072 @, \$ 81.2748 @, \$ 83.4941 @, \$ 86.581 @, \$ 88.9435 @,  
\$, \$ 77.954 @, \$ 70.3069 @, \$  
14 @, \$ 241.446 @, \$ 241.819 @, \$ 229.814 @, \$ 238.204 @, \$ 233.813 @, \$ 225.163 @, \$ 232.116 @, \$  
238.034 @, \$ 233.277 @, \$ 222.919 @, \$  
15 @, \$ 164.526 @, \$ 168.255 @, \$ 154.519 @, \$ 169.064 @, \$ 156.236 @, \$ 175.315 @, \$ 162.506 @, \$  
155.067 @, \$ 164.178 @, \$ 162.82 @, \$

MM19B008

Alpha = 0.0380143

post anova t-test pairs after sorting the sample means in descending order

1,4

10,15

1 @, \$ 75.3343 @, \$ 72.7474 @, \$ 60.3146 @, \$ 55.6829 @, \$ 66.2552 @, \$ 71.763 @, \$ 55.0064 @, \$ 57.0588  
@, \$ 61.0345 @, \$ 61.733 @, \$  
2 @, \$ 52.2431 @, \$ 77.1382 @, \$ 88.387 @, \$ 72.512 @, \$ 77.1233 @, \$ 87.5724 @, \$ 84.4924 @, \$ 73.3428 @,  
\$, \$ 72.5984 @, \$ 76.5397 @, \$  
3 @, \$ 10.9795 @, \$ 3.27065 @, \$ 2.29758 @, \$ 20.9873 @, \$ 15.0618 @, \$ 23.5406 @, \$ 4.18092 @, \$ -4.95665  
@, \$ 6.73049 @, \$ 6.18616 @, \$  
4 @, \$ 139.159 @, \$ 163.237 @, \$ 163.716 @, \$ 168.6 @, \$ 155.176 @, \$ 152.685 @, \$ 162.889 @, \$ 161.739 @,  
\$, \$ 155.993 @, \$ 158.438 @, \$  
5 @, \$ 156.139 @, \$ 151.55 @, \$ 153.216 @, \$ 162.905 @, \$ 159.055 @, \$ 147.135 @, \$ 156.964 @, \$ 161.755  
@, \$ 153.594 @, \$ 150.009 @, \$  
6 @, \$ 65.0456 @, \$ 86.4219 @, \$ 76.4039 @, \$ 87.725 @, \$ 66.0377 @, \$ 78.5912 @, \$ 73.7689 @, \$ 71.1713  
@, \$ 77.6985 @, \$ 64.6144 @, \$  
7 @, \$ 210.157 @, \$ 218.841 @, \$ 210.352 @, \$ 206.521 @, \$ 214.904 @, \$ 215.97 @, \$ 210.183 @, \$ 207.462  
@, \$ 217.452 @, \$ 217.719 @, \$  
8 @, \$ 154.058 @, \$ 145.926 @, \$ 162.383 @, \$ 157.185 @, \$ 160.427 @, \$ 177.26 @, \$ 149.626 @, \$ 157.888  
@, \$ 154.386 @, \$ 147.286 @, \$  
9 @, \$ 279.743 @, \$ 292.246 @, \$ 290.373 @, \$ 294.894 @, \$ 305.426 @, \$ 291.056 @, \$ 315.441 @, \$ 282.528  
@, \$ 300.034 @, \$ 298.295 @, \$  
10 @, \$ 211.341 @, \$ 219.778 @, \$ 229.732 @, \$ 209.044 @, \$ 227.751 @, \$ 231.224 @, \$ 212.415 @, \$  
222.278 @, \$ 207.672 @, \$ 218.626 @, \$  
11 @, \$ 222.862 @, \$ 224.798 @, \$ 218.917 @, \$ 215.145 @, \$ 213.952 @, \$ 228.908 @, \$ 215.013 @, \$  
217.168 @, \$ 231.296 @, \$ 213.149 @, \$  
12 @, \$ 298.911 @, \$ 282.831 @, \$ 279.123 @, \$ 298.621 @, \$ 286.149 @, \$ 298.592 @, \$ 284.591 @, \$  
288.617 @, \$ 293.306 @, \$ 285.014 @, \$  
13 @, \$ 9.40264 @, \$ 20.1051 @, \$ 28.4659 @, \$ -7.24589 @, \$ 13.973 @, \$ 22.6455 @, \$ 14.6779 @, \$ 3.22533  
@, \$ 8.35426 @, \$ -4.63141 @, \$  
14 @, \$ 132.405 @, \$ 126.164 @, \$ 130.989 @, \$ 142.559 @, \$ 130.434 @, \$ 141.473 @, \$ 127.989 @, \$  
127.446 @, \$ 128.704 @, \$ 129.86 @, \$

15 @ , \$ 185.361 @ , \$ 190.952 @ , \$ 183.939 @ , \$ 178.852 @ , \$ 188.864 @ , \$ 208.586 @ , \$ 185.916 @ , \$ 180.585 @ , \$ 187.55 @ , \$ 181.981 @ , \$

#### MM19B010

Alpha = 0.0317628

post anova t-test pairs after sorting the sample means in descending order

3,8

12,14

1 @ , \$ 204.562 @ , \$ 208.74 @ , \$ 197.487 @ , \$ 206.361 @ , \$ 210.549 @ , \$ 208.09 @ , \$ 207.235 @ , \$ 198.161 @ , \$ 206.04 @ , \$ 198.043 @ , \$

2 @ , \$ 190.625 @ , \$ 189.379 @ , \$ 192.34 @ , \$ 178.468 @ , \$ 176.714 @ , \$ 180.346 @ , \$ 194.54 @ , \$ 175.193 @ , \$ 182.754 @ , \$ 184.579 @ , \$

3 @ , \$ 91.7976 @ , \$ 70.5393 @ , \$ 91.1308 @ , \$ 80.8253 @ , \$ 80.338 @ , \$ 89.5465 @ , \$ 76.4904 @ , \$ 89.9346 @ , \$ 88.2411 @ , \$ 79.8475 @ , \$

4 @ , \$ 121.654 @ , \$ 121.011 @ , \$ 131.212 @ , \$ 128.648 @ , \$ 119.416 @ , \$ 137.869 @ , \$ 116.87 @ , \$ 128.401 @ , \$ 123.05 @ , \$ 119.573 @ , \$

5 @ , \$ 19.7785 @ , \$ 6.96982 @ , \$ 19.4053 @ , \$ 20.689 @ , \$ 16.9707 @ , \$ 32.5043 @ , \$ 14.3238 @ , \$ 25.6317 @ , \$ 16.0553 @ , \$ 11.0639 @ , \$

6 @ , \$ 20.3543 @ , \$ 26.9804 @ , \$ 25.0137 @ , \$ 27.4337 @ , \$ 27.4991 @ , \$ 50.7038 @ , \$ 29.5802 @ , \$ 25.3183 @ , \$ 25.1803 @ , \$ 28.8584 @ , \$

7 @ , \$ 65.3422 @ , \$ 72.9397 @ , \$ 64.5602 @ , \$ 65.6498 @ , \$ 75.3606 @ , \$ 94.1508 @ , \$ 73.7475 @ , \$ 73.8189 @ , \$ 80.5706 @ , \$ 83.2425 @ , \$

8 @ , \$ 67.6406 @ , \$ 63.3448 @ , \$ 84.4014 @ , \$ 79.4338 @ , \$ 72.2897 @ , \$ 85.7987 @ , \$ 72.4138 @ , \$ 86.8596 @ , \$ 68.6051 @ , \$ 62.9548 @ , \$

9 @ , \$ 66.0341 @ , \$ 54.0589 @ , \$ 47.7898 @ , \$ 64.4403 @ , \$ 65.4732 @ , \$ 55.6148 @ , \$ 49.8071 @ , \$ 55.9393 @ , \$ 53.1836 @ , \$ 54.7267 @ , \$

10 @ , \$ 79.9559 @ , \$ 81.7982 @ , \$ 66.0446 @ , \$ 72.4282 @ , \$ 71.9639 @ , \$ 79.5356 @ , \$ 68.0922 @ , \$ 70.1635 @ , \$ 70.3798 @ , \$ 67.2346 @ , \$

11 @ , \$ 48.6998 @ , \$ 61.2239 @ , \$ 66.4426 @ , \$ 73.5461 @ , \$ 66.3365 @ , \$ 67.6429 @ , \$ 58.5878 @ , \$ 67.3651 @ , \$ 58.3383 @ , \$ 71.1226 @ , \$

12 @ , \$ 87.9701 @ , \$ 86.639 @ , \$ 90.2184 @ , \$ 88.586 @ , \$ 91.2722 @ , \$ 89.0639 @ , \$ 84.9832 @ , \$ 88.0492 @ , \$ 94.6583 @ , \$ 90.7813 @ , \$

13 @ , \$ 19.6206 @ , \$ 30.3985 @ , \$ 34.3449 @ , \$ 38.8545 @ , \$ 32.8509 @ , \$ 45.1745 @ , \$ 16.6831 @ , \$ 25.0572 @ , \$ 24.9427 @ , \$ 50.7559 @ , \$

14 @ , \$ 189.125 @ , \$ 185.567 @ , \$ 191.379 @ , \$ 186.421 @ , \$ 188.508 @ , \$ 189.716 @ , \$ 190.678 @ , \$ 195.275 @ , \$ 192.819 @ , \$ 184.493 @ , \$

15 @ , \$ 42.2707 @ , \$ 48.4343 @ , \$ 40.1423 @ , \$ 44.7528 @ , \$ 45.3175 @ , \$ 66.0233 @ , \$ 45.8302 @ , \$ 26.1991 @ , \$ 46.8746 @ , \$ 34.6533 @ , \$

#### MM19B013

Alpha = 0.0650996

post anova t-test pairs after sorting the sample means in descending order

3,5

9,15

1 @ , \$ 189.924 @ , \$ 196.507 @ , \$ 186.909 @ , \$ 190.289 @ , \$ 191.234 @ , \$ 201.084 @ , \$ 192.577 @ , \$ 187.951 @ , \$ 188.558 @ , \$ 191.276 @ , \$

2 @ , \$ 74.1656 @ , \$ 74.8962 @ , \$ 64.9575 @ , \$ 64.0761 @ , \$ 62.1074 @ , \$ 101.791 @ , \$ 58.5297 @ , \$ 66.5854 @ , \$ 55.6395 @ , \$ 57.4694 @ , \$

3 @ , \$ 89.8591 @ , \$ 77.0038 @ , \$ 80.3609 @ , \$ 77.5838 @ , \$ 69.7817 @ , \$ 103.26 @ , \$ 64.1928 @ , \$ 70.0565 @ , \$ 94.2556 @ , \$ 75.2595 @ , \$

4 @ , \$ 176.022 @ , \$ 177.135 @ , \$ 179.584 @ , \$ 186.557 @ , \$ 182.066 @ , \$ 189.016 @ , \$ 185.69 @ , \$ 184.581 @ , \$ 177.218 @ , \$ 185.075 @ , \$

5 @, \$ 147.56 @, \$ 163.142 @, \$ 158.417 @, \$ 159.221 @, \$ 157.79 @, \$ 159.476 @, \$ 162.563 @, \$ 159.563 @, \$ 149.652 @, \$ 142.013 @, \$ 6 @, \$ 276.292 @, \$ 273.179 @, \$ 279.209 @, \$ 269.61 @, \$ 258.267 @, \$ 266.075 @, \$ 265.527 @, \$ 254.43 @, \$ 289.609 @, \$ 253.109 @, \$ 7 @, \$ 224.435 @, \$ 206.314 @, \$ 226.906 @, \$ 232.634 @, \$ 232.454 @, \$ 253.257 @, \$ 209.149 @, \$ 221.937 @, \$ 213.389 @, \$ 221.507 @, \$ 8 @, \$ 101.98 @, \$ 101.162 @, \$ 100.637 @, \$ 103.07 @, \$ 99.7538 @, \$ 114.694 @, \$ 102.153 @, \$ 98.9096 @, \$ 101.025 @, \$ 102.193 @, \$ 9 @, \$ 43.7993 @, \$ 45.6448 @, \$ 45.1448 @, \$ 47.9484 @, \$ 43.5983 @, \$ 45.6564 @, \$ 46.9137 @, \$ 44.6587 @, \$ 44.4591 @, \$ 40.521 @, \$ 10 @, \$ 176.671 @, \$ 167.753 @, \$ 189.639 @, \$ 179.531 @, \$ 165.77 @, \$ 155.376 @, \$ 180.724 @, \$ 166.849 @, \$ 171.971 @, \$ 166.236 @, \$ 11 @, \$ 196.813 @, \$ 172.929 @, \$ 181.652 @, \$ 193.736 @, \$ 188.147 @, \$ 205.553 @, \$ 188.344 @, \$ 204.194 @, \$ 187.729 @, \$ 194.627 @, \$ 12 @, \$ 44.6726 @, \$ 58.0889 @, \$ 42.358 @, \$ 51.4787 @, \$ 51.2675 @, \$ 59.4035 @, \$ 60.0436 @, \$ 63.2543 @, \$ 53.352 @, \$ 49.3876 @, \$ 13 @, \$ 184.86 @, \$ 210.437 @, \$ 220.332 @, \$ 214.443 @, \$ 219.308 @, \$ 235.483 @, \$ 206.401 @, \$ 213.798 @, \$ 204.097 @, \$ 209.905 @, \$ 14 @, \$ 285.421 @, \$ 285.829 @, \$ 284.314 @, \$ 290.757 @, \$ 288.315 @, \$ 300.864 @, \$ 288.617 @, \$ 290.182 @, \$ 279.817 @, \$ 289.512 @, \$ 15 @, \$ 6.53206 @, \$ 21.5491 @, \$ 21.3929 @, \$ 29.5259 @, \$ 25.4571 @, \$ 52.8411 @, \$ 2.90859 @, \$ 28.7437 @, \$ 26.3756 @, \$ 36.8515 @, \$

MM19B025

Alpha = 0.038737

post anova t-test pairs after sorting the sample means in descending order

2,8

9,15

1 @, \$ 170.368 @, \$ 168.655 @, \$ 171.751 @, \$ 168.88 @, \$ 166.805 @, \$ 185.639 @, \$ 170.126 @, \$ 171.584 @, \$ 164.078 @, \$ 167.607 @, \$ 2 @, \$ 263.513 @, \$ 263.032 @, \$ 272.699 @, \$ 273.301 @, \$ 270.302 @, \$ 266.161 @, \$ 279.696 @, \$ 240.775 @, \$ 262.822 @, \$ 278.315 @, \$ 3 @, \$ 201.309 @, \$ 219.841 @, \$ 205.366 @, \$ 200.906 @, \$ 205.652 @, \$ 217.379 @, \$ 208.36 @, \$ 211.41 @, \$ 205.477 @, \$ 198.943 @, \$ 4 @, \$ 224.22 @, \$ 224.318 @, \$ 226.852 @, \$ 226.727 @, \$ 228.327 @, \$ 222.49 @, \$ 229.488 @, \$ 225.579 @, \$ 224.103 @, \$ 226.956 @, \$ 5 @, \$ 169.886 @, \$ 175.799 @, \$ 178.427 @, \$ 172.867 @, \$ 177.115 @, \$ 188.98 @, \$ 154.224 @, \$ 174.515 @, \$ 176.032 @, \$ 181.078 @, \$ 6 @, \$ 203.888 @, \$ 203.412 @, \$ 204.742 @, \$ 200.066 @, \$ 195.338 @, \$ 188.571 @, \$ 194.018 @, \$ 183.008 @, \$ 190.18 @, \$ 188.406 @, \$ 7 @, \$ 32.2395 @, \$ 19.4116 @, \$ 26.1267 @, \$ 29.6598 @, \$ 27.8364 @, \$ 34.0886 @, \$ 29.7324 @, \$ 30.2284 @, \$ 28.1851 @, \$ 44.7049 @, \$ 8 @, \$ 253.685 @, \$ 256.265 @, \$ 258.296 @, \$ 258.745 @, \$ 250.775 @, \$ 285.412 @, \$ 256.496 @, \$ 255.358 @, \$ 257.873 @, \$ 255.228 @, \$ 9 @, \$ 214.518 @, \$ 222.104 @, \$ 226.207 @, \$ 216.477 @, \$ 217.953 @, \$ 212.874 @, \$ 216.521 @, \$ 220.745 @, \$ 226.212 @, \$ 218.263 @, \$ 10 @, \$ 188.086 @, \$ 183.194 @, \$ 183.119 @, \$ 187.554 @, \$ 186.745 @, \$ 188.624 @, \$ 182.183 @, \$ 180.059 @, \$ 183.388 @, \$ 181.895 @, \$ 11 @, \$ 300.767 @, \$ 299.322 @, \$ 300.918 @, \$ 300.335 @, \$ 304.829 @, \$ 307.333 @, \$ 297.849 @, \$ 300.205 @, \$ 297.345 @, \$ 295.054 @, \$ 12 @, \$ 81.7868 @, \$ 89.994 @, \$ 86.9271 @, \$ 86.3109 @, \$ 84.1255 @, \$ 103.965 @, \$ 85.3528 @, \$ 82.9335 @, \$ 78.3312 @, \$ 86.2802 @, \$ 13 @, \$ 273.535 @, \$ 269.614 @, \$ 266.908 @, \$ 275.851 @, \$ 273.923 @, \$ 279.639 @, \$ 277.849 @, \$

281.483 @, \$ 277.382 @, \$ 273.056 @, \$  
14 @, \$ 178.473 @, \$ 178.622 @, \$ 177.069 @, \$ 173.576 @, \$ 179.17 @, \$ 180.034 @, \$ 174.012 @, \$ 178.132  
@, \$ 178.813 @, \$ 175.19 @, \$  
15 @, \$ 12.5904 @, \$ 10.3392 @, \$ 7.98672 @, \$ 7.80523 @, \$ 4.90607 @, \$ 7.80924 @, \$ 7.02911 @, \$  
6.22851 @, \$ 0.532051 @, \$ 8.23468 @, \$

#### MM19B037

Alpha = 0.08733

post anova t-test pairs after sorting the sample means in descending order

2,8

11,15

1 @, \$ 178.726 @, \$ 194.642 @, \$ 191.696 @, \$ 186.496 @, \$ 184.892 @, \$ 200.552 @, \$ 192.813 @, \$ 178.145  
@, \$ 163.987 @, \$ 183.973 @, \$  
2 @, \$ 95.7584 @, \$ 80.1474 @, \$ 79.7191 @, \$ 88.075 @, \$ 76.8717 @, \$ 74.7782 @, \$ 72.8517 @, \$ 97.4746  
@, \$ 91.1663 @, \$ 85.0461 @, \$  
3 @, \$ 182.997 @, \$ 187.348 @, \$ 165.823 @, \$ 179.583 @, \$ 169.266 @, \$ 183.778 @, \$ 163.657 @, \$ 188.132  
@, \$ 173.832 @, \$ 162.399 @, \$  
4 @, \$ 242.508 @, \$ 244.926 @, \$ 242.633 @, \$ 246.581 @, \$ 248.964 @, \$ 251.199 @, \$ 238.878 @, \$ 227.922  
@, \$ 248.741 @, \$ 240.226 @, \$  
5 @, \$ 27.8179 @, \$ 18.1726 @, \$ 17.5068 @, \$ 23.0553 @, \$ 19.2801 @, \$ 28.9451 @, \$ 23.5024 @, \$ 22.3105  
@, \$ 19.7723 @, \$ 20.9514 @, \$  
6 @, \$ 76.0194 @, \$ 75.0221 @, \$ 66.655 @, \$ 74.2789 @, \$ 75.9451 @, \$ 85.7544 @, \$ 82.9619 @, \$ 65.7899  
@, \$ 79.0916 @, \$ 63.7922 @, \$  
7 @, \$ 187.737 @, \$ 181.635 @, \$ 171.826 @, \$ 181.255 @, \$ 185.399 @, \$ 198.602 @, \$ 165.186 @, \$ 177.012  
@, \$ 187.836 @, \$ 181.276 @, \$  
8 @, \$ 241.333 @, \$ 241.494 @, \$ 250.348 @, \$ 245.761 @, \$ 251.707 @, \$ 265.691 @, \$ 234.053 @, \$ 250.533  
@, \$ 248.684 @, \$ 250.173 @, \$  
9 @, \$ 170.672 @, \$ 176.852 @, \$ 173.872 @, \$ 173.459 @, \$ 173.937 @, \$ 181.15 @, \$ 173.17 @, \$ 174.397 @,  
\$ 178.963 @, \$ 171.296 @, \$  
10 @, \$ 195.83 @, \$ 197.252 @, \$ 200.399 @, \$ 195.452 @, \$ 198.042 @, \$ 198.964 @, \$ 194.129 @, \$ 196.415  
@, \$ 192.001 @, \$ 196.088 @, \$  
11 @, \$ 150.343 @, \$ 152.913 @, \$ 135.775 @, \$ 148.858 @, \$ 144.696 @, \$ 175.749 @, \$ 144.417 @, \$  
140.056 @, \$ 146.07 @, \$ 138.816 @, \$  
12 @, \$ 33.0282 @, \$ 38.7755 @, \$ 37.1613 @, \$ 39.3339 @, \$ 40.4259 @, \$ 34.4892 @, \$ 46.3715 @, \$  
52.0687 @, \$ 28.7664 @, \$ 34.6779 @, \$  
13 @, \$ 142.81 @, \$ 134.066 @, \$ 142.285 @, \$ 129.927 @, \$ 150.135 @, \$ 129.178 @, \$ 132.924 @, \$ 139.61  
@, \$ 151.953 @, \$ 146.85 @, \$  
14 @, \$ 124.866 @, \$ 123.133 @, \$ 118.558 @, \$ 123.282 @, \$ 126.374 @, \$ 136.444 @, \$ 126.425 @, \$ 125.82  
@, \$ 120.988 @, \$ 124.909 @, \$  
15 @, \$ 280.53 @, \$ 260.526 @, \$ 267.151 @, \$ 267.392 @, \$ 251.157 @, \$ 264.377 @, \$ 259.385 @, \$ 262.92  
@, \$ 263.308 @, \$ 268.668 @, \$

#### MM19B042

Alpha = 0.0188452

post anova t-test pairs after sorting the sample means in descending order

3,5

10,13

1 @, \$ 152.552 @, \$ 151.126 @, \$ 154.9 @, \$ 156.074 @, \$ 151.486 @, \$ 175.163 @, \$ 152.843 @, \$ 151.41 @,  
\$ 154.052 @, \$ 156.878 @, \$  
2 @, \$ 190.492 @, \$ 187.423 @, \$ 192.868 @, \$ 178.59 @, \$ 187.182 @, \$ 168.459 @, \$ 197.252 @, \$ 171.683  
@, \$ 173.735 @, \$ 183.847 @, \$  
3 @, \$ 144.577 @, \$ 141.601 @, \$ 138.777 @, \$ 137.272 @, \$ 151.787 @, \$ 167.769 @, \$ 149.317 @, \$ 146.118

@, \$ 158.998 @, \$ 132.792 @, \$ 4 @, \$ 53.9455 @, \$ 50.8075 @, \$ 51.4263 @, \$ 43.7391 @, \$ 35.719 @, \$ 59.0467 @, \$ 44.8346 @, \$ 58.7109 @, \$ 50.1634 @, \$ 35.2914 @, \$ 5 @, \$ 25.4523 @, \$ 43.1852 @, \$ 40.6813 @, \$ 38.7347 @, \$ 42.6418 @, \$ 45.2584 @, \$ 15.6095 @, \$ 44.2002 @, \$ 35.7906 @, \$ 27.3407 @, \$ 6 @, \$ 36.2231 @, \$ 23.1008 @, \$ 20.3813 @, \$ 33.9048 @, \$ 30.1501 @, \$ 23.7985 @, \$ 28.8528 @, \$ 56.7441 @, \$ 42.4973 @, \$ 36.4653 @, \$ 7 @, \$ 26.9355 @, \$ 35.4896 @, \$ 49.8451 @, \$ 45.5024 @, \$ 30.1752 @, \$ 34.256 @, \$ 26.3152 @, \$ 23.1822 @, \$ 20.156 @, \$ 8.98863 @, \$ 8 @, \$ 267.302 @, \$ 269.682 @, \$ 256.44 @, \$ 272.714 @, \$ 269.296 @, \$ 289.728 @, \$ 266.242 @, \$ 281.081 @, \$ 273.955 @, \$ 278.107 @, \$ 9 @, \$ 118.962 @, \$ 124.054 @, \$ 120.774 @, \$ 120.78 @, \$ 120.457 @, \$ 123.123 @, \$ 122.089 @, \$ 115.502 @, \$ 118.281 @, \$ 120.503 @, \$ 10 @, \$ 17.5938 @, \$ 38.4501 @, \$ 33.6929 @, \$ 41.2708 @, \$ 29.4266 @, \$ 18.6668 @, \$ 20.2457 @, \$ 26.1639 @, \$ 22.541 @, \$ 30.7777 @, \$ 11 @, \$ 236.304 @, \$ 235.467 @, \$ 245.51 @, \$ 248.612 @, \$ 243.147 @, \$ 245.228 @, \$ 240.901 @, \$ 242.055 @, \$ 258.954 @, \$ 247.135 @, \$ 12 @, \$ 8.64302 @, \$ 29.7575 @, \$ 4.76512 @, \$ -0.363117 @, \$ 17.0532 @, \$ 0.0177934 @, \$ 3.85406 @, \$ 5.18155 @, \$ -4.02345 @, \$ 9.88104 @, \$ 13 @, \$ 179.41 @, \$ 180.852 @, \$ 181.835 @, \$ 182.134 @, \$ 180.702 @, \$ 177.177 @, \$ 181.493 @, \$ 181.684 @, \$ 178.63 @, \$ 180.241 @, \$ 14 @, \$ 121.642 @, \$ 112.226 @, \$ 113.233 @, \$ 119.029 @, \$ 113.329 @, \$ 125.119 @, \$ 113.643 @, \$ 115.677 @, \$ 114.605 @, \$ 122.306 @, \$ 15 @, \$ 51.0584 @, \$ 49.7312 @, \$ 59.9358 @, \$ 58.0809 @, \$ 63.2958 @, \$ 54.5438 @, \$ 58.6838 @, \$ 44.5382 @, \$ 45.6101 @, \$ 55.9415 @, \$

MM19B050

Alpha = 0.0871485

post anova t-test pairs after sorting the sample means in descending order

3,4

11,15

1 @, \$ 223.344 @, \$ 224.842 @, \$ 212.415 @, \$ 213.583 @, \$ 214.831 @, \$ 243.712 @, \$ 210.028 @, \$ 212.258 @, \$ 212.688 @, \$ 206.833 @, \$ 2 @, \$ 69.0476 @, \$ 56.1201 @, \$ 51.9133 @, \$ 72.204 @, \$ 75.4198 @, \$ 89.4672 @, \$ 61.1466 @, \$ 72.1641 @, \$ 60.813 @, \$ 60.3343 @, \$ 3 @, \$ 197.087 @, \$ 206.188 @, \$ 203.492 @, \$ 198.917 @, \$ 208.491 @, \$ 194.401 @, \$ 200.806 @, \$ 190.494 @, \$ 195.567 @, \$ 189.403 @, \$ 4 @, \$ 233.971 @, \$ 238.741 @, \$ 243.337 @, \$ 236.961 @, \$ 244.798 @, \$ 237.958 @, \$ 241.619 @, \$ 238.827 @, \$ 242.778 @, \$ 243.08 @, \$ 5 @, \$ 24.0903 @, \$ 24.2469 @, \$ 20.2224 @, \$ 22.937 @, \$ 6.82 @, \$ 18.6135 @, \$ 24.166 @, \$ 14.0635 @, \$ 13.2462 @, \$ 17.951 @, \$ 6 @, \$ 150.075 @, \$ 154.902 @, \$ 152.647 @, \$ 155.491 @, \$ 152.009 @, \$ 153.549 @, \$ 154.937 @, \$ 157.209 @, \$ 158.957 @, \$ 162.644 @, \$ 7 @, \$ 234.852 @, \$ 236.914 @, \$ 242.808 @, \$ 242.712 @, \$ 233.819 @, \$ 252.44 @, \$ 235.459 @, \$ 235.201 @, \$ 229.425 @, \$ 237.185 @, \$ 8 @, \$ 6.49352 @, \$ 2.55327 @, \$ 1.38059 @, \$ 4.7032 @, \$ 2.82054 @, \$ 13.5092 @, \$ 1.96329 @, \$ -0.204939 @, \$ 0.356541 @, \$ 2.84719 @, \$ 9 @, \$ 122.979 @, \$ 113.067 @, \$ 131.018 @, \$ 116.329 @, \$ 119.285 @, \$ 111.847 @, \$ 127.514 @, \$ 121.234 @, \$ 119.368 @, \$ 120.619 @, \$ 10 @, \$ 12.1984 @, \$ 24.0922 @, \$ 8.8338 @, \$ 11.5822 @, \$ 17.5635 @, \$ 21.2907 @, \$ 20.4186 @, \$ 6.16633 @, \$ 7.90011 @, \$ 19.3105 @, \$ 11 @, \$ 106.597 @, \$ 102.117 @, \$ 106.71 @, \$ 110.047 @, \$ 110.218 @, \$ 106.131 @, \$ 111.534 @, \$ 100.88 @, \$ 106.772 @, \$ 110.02 @, \$

12 @ , \$ 65.307 @ , \$ 86.0466 @ , \$ 77.9637 @ , \$ 63.7156 @ , \$ 65.0635 @ , \$ 95.0456 @ , \$ 64.7085 @ , \$ 67.5611 @ , \$ 59.2699 @ , \$ 79.5139 @ , \$ 13 @ , \$ 157.577 @ , \$ 158.37 @ , \$ 156.644 @ , \$ 156.476 @ , \$ 156.459 @ , \$ 155.995 @ , \$ 157.992 @ , \$ 158.235 @ , \$ 155.573 @ , \$ 157.778 @ , \$ 14 @ , \$ 198.749 @ , \$ 190.114 @ , \$ 192.404 @ , \$ 186.159 @ , \$ 193.232 @ , \$ 208.633 @ , \$ 197.769 @ , \$ 183.303 @ , \$ 201.963 @ , \$ 187.081 @ , \$ 15 @ , \$ 138.034 @ , \$ 137.927 @ , \$ 125.803 @ , \$ 128.812 @ , \$ 132.74 @ , \$ 154.829 @ , \$ 136.764 @ , \$ 143.567 @ , \$ 130.097 @ , \$ 131.14 @ , \$

## NA19B007

Alpha = 0.022481

post anova t-test pairs after sorting the sample means in descending order

2,6

9,14

1 @ , \$ 17.0133 @ , \$ 4.94656 @ , \$ 13.2076 @ , \$ 12.1154 @ , \$ 5.91169 @ , \$ 11.231 @ , \$ 8.882 @ , \$ 19.5672 @ , \$ 6.3416 @ , \$ 10.6228 @ , \$ 2 @ , \$ 229.361 @ , \$ 228.366 @ , \$ 199.42 @ , \$ 214.017 @ , \$ 216.876 @ , \$ 217.2 @ , \$ 227.093 @ , \$ 221.736 @ , \$ 228.999 @ , \$ 206.448 @ , \$ 3 @ , \$ 122.078 @ , \$ 128.429 @ , \$ 131.63 @ , \$ 116.154 @ , \$ 119.946 @ , \$ 131.239 @ , \$ 127.223 @ , \$ 114.077 @ , \$ 125.185 @ , \$ 106.499 @ , \$ 4 @ , \$ 103.127 @ , \$ 106.312 @ , \$ 101.005 @ , \$ 106.115 @ , \$ 105.848 @ , \$ 118.242 @ , \$ 105.698 @ , \$ 107.557 @ , \$ 100.418 @ , \$ 102.315 @ , \$ 5 @ , \$ 22.7511 @ , \$ 27.9287 @ , \$ 14.5246 @ , \$ 27.2012 @ , \$ 8.00614 @ , \$ 23.538 @ , \$ 35.5602 @ , \$ 27.3263 @ , \$ 25.4934 @ , \$ 24.0173 @ , \$ 6 @ , \$ 96.0551 @ , \$ 95.1556 @ , \$ 97.1203 @ , \$ 108.969 @ , \$ 103.491 @ , \$ 111.462 @ , \$ 107.251 @ , \$ 106.42 @ , \$ 120.017 @ , \$ 102.549 @ , \$ 7 @ , \$ 87.6036 @ , \$ 89.286 @ , \$ 91.8923 @ , \$ 91.7559 @ , \$ 90.2126 @ , \$ 91.947 @ , \$ 91.1535 @ , \$ 91.4226 @ , \$ 86.8566 @ , \$ 89.6663 @ , \$ 8 @ , \$ 139.34 @ , \$ 135.838 @ , \$ 133.757 @ , \$ 139.589 @ , \$ 136.471 @ , \$ 136.771 @ , \$ 136.096 @ , \$ 137.92 @ , \$ 135.77 @ , \$ 138.301 @ , \$ 9 @ , \$ 251.635 @ , \$ 254.16 @ , \$ 247.557 @ , \$ 262.405 @ , \$ 256.51 @ , \$ 267.805 @ , \$ 256.589 @ , \$ 252.456 @ , \$ 265.497 @ , \$ 257.989 @ , \$ 10 @ , \$ 56.6891 @ , \$ 62.0682 @ , \$ 53.2263 @ , \$ 61.6945 @ , \$ 52.1841 @ , \$ 55.5942 @ , \$ 61.6017 @ , \$ 64.7892 @ , \$ 49.8779 @ , \$ 59.6731 @ , \$ 11 @ , \$ 174.56 @ , \$ 147.346 @ , \$ 163.223 @ , \$ 155.765 @ , \$ 156.732 @ , \$ 148.567 @ , \$ 148.64 @ , \$ 152.483 @ , \$ 158.563 @ , \$ 152.577 @ , \$ 12 @ , \$ 71.9396 @ , \$ 69.1318 @ , \$ 67.6529 @ , \$ 76.1821 @ , \$ 70.9408 @ , \$ 86.2938 @ , \$ 70.6498 @ , \$ 64.0504 @ , \$ 80.4243 @ , \$ 67.2066 @ , \$ 13 @ , \$ 102.978 @ , \$ 94.9383 @ , \$ 106.892 @ , \$ 89.1302 @ , \$ 100.743 @ , \$ 87.3507 @ , \$ 91.0016 @ , \$ 102.661 @ , \$ 114.971 @ , \$ 83.2712 @ , \$ 14 @ , \$ 6.49472 @ , \$ 23.0925 @ , \$ 16.1261 @ , \$ 6.80159 @ , \$ 20.2891 @ , \$ 17.7657 @ , \$ 13.5031 @ , \$ 10.6514 @ , \$ 10.03 @ , \$ 8.41905 @ , \$ 15 @ , \$ 273.512 @ , \$ 271.413 @ , \$ 272.117 @ , \$ 279.629 @ , \$ 274.685 @ , \$ 267.339 @ , \$ 273.447 @ , \$ 271.12 @ , \$ 271.682 @ , \$ 271.471 @ , \$

## NA19B019

Alpha = 0.0611639

post anova t-test pairs after sorting the sample means in descending order

1,6

10,14

1 @ , \$ 108.526 @ , \$ 97.6327 @ , \$ 100.556 @ , \$ 97.4025 @ , \$ 102.892 @ , \$ 129.425 @ , \$ 98.7025 @ , \$ 95.9518 @ , \$ 99.848 @ , \$ 108.568 @ , \$

2 @, \$ 106.389 @, \$ 95.4352 @, \$ 104.105 @, \$ 100.434 @, \$ 96.9353 @, \$ 114.108 @, \$ 92.0248 @, \$ 89.794 @, \$ 97.4589 @, \$ 91.2093 @, \$ 3 @, \$ 160.132 @, \$ 171.677 @, \$ 164.321 @, \$ 174.709 @, \$ 165.087 @, \$ 170.605 @, \$ 166.078 @, \$ 150.431 @, \$ 163.488 @, \$ 156.912 @, \$ 4 @, \$ 252.849 @, \$ 254.023 @, \$ 268.886 @, \$ 256.597 @, \$ 255.989 @, \$ 276.791 @, \$ 260.833 @, \$ 251.611 @, \$ 267.013 @, \$ 260.194 @, \$ 5 @, \$ 72.9933 @, \$ 68.8506 @, \$ 73.8986 @, \$ 67.6906 @, \$ 56.1393 @, \$ 79.5402 @, \$ 68.4876 @, \$ 51.4149 @, \$ 68.7525 @, \$ 76.7987 @, \$ 6 @, \$ 54.2309 @, \$ 39.1808 @, \$ 44.7866 @, \$ 58.4233 @, \$ 48.4969 @, \$ 36.0714 @, \$ 59.8655 @, \$ 41.4909 @, \$ 58.6276 @, \$ 50.172 @, \$ 7 @, \$ 185.564 @, \$ 185.833 @, \$ 178.297 @, \$ 161.337 @, \$ 189.101 @, \$ 197.21 @, \$ 176.446 @, \$ 182.049 @, \$ 181.501 @, \$ 192.681 @, \$ 8 @, \$ 197.094 @, \$ 190.958 @, \$ 188.58 @, \$ 197.922 @, \$ 193.687 @, \$ 203.711 @, \$ 204.96 @, \$ 198.464 @, \$ 183.597 @, \$ 192.381 @, \$ 9 @, \$ 89.9064 @, \$ 102.757 @, \$ 114.825 @, \$ 95.6279 @, \$ 92.9342 @, \$ 121.891 @, \$ 121.266 @, \$ 104.219 @, \$ 99.8856 @, \$ 86.3978 @, \$ 10 @, \$ 206.94 @, \$ 208.455 @, \$ 210.368 @, \$ 211.293 @, \$ 209.077 @, \$ 221.981 @, \$ 208.56 @, \$ 209.871 @, \$ 209.836 @, \$ 212.782 @, \$ 11 @, \$ 231.994 @, \$ 222.542 @, \$ 203.023 @, \$ 227.561 @, \$ 238.623 @, \$ 210.056 @, \$ 219.971 @, \$ 213.89 @, \$ 227.305 @, \$ 220.391 @, \$ 12 @, \$ 18.2282 @, \$ 30.9751 @, \$ 29.2602 @, \$ 44.4562 @, \$ 19.51 @, \$ 25.7229 @, \$ 33.764 @, \$ 36.5085 @, \$ 41.5568 @, \$ 28.6029 @, \$ 13 @, \$ 260.396 @, \$ 260.416 @, \$ 255.917 @, \$ 256.83 @, \$ 255.039 @, \$ 254.4 @, \$ 262.551 @, \$ 258.217 @, \$ 254.25 @, \$ 253.501 @, \$ 14 @, \$ 287.519 @, \$ 278.568 @, \$ 284.29 @, \$ 276.331 @, \$ 277.964 @, \$ 292.99 @, \$ 269.821 @, \$ 275.63 @, \$ 285.877 @, \$ 287.463 @, \$ 15 @, \$ 144.362 @, \$ 146.47 @, \$ 144.622 @, \$ 140.219 @, \$ 145.094 @, \$ 163.893 @, \$ 149.791 @, \$ 146.903 @, \$ 147.59 @, \$ 152.786 @, \$

NA19B020

Alpha = 0.0904151

post anova t-test pairs after sorting the sample means in descending order

1,5

11,13

1 @, \$ 187.712 @, \$ 199.515 @, \$ 209.85 @, \$ 183.927 @, \$ 209.031 @, \$ 204.266 @, \$ 193.605 @, \$ 198.22 @, \$ 217.125 @, \$ 204.361 @, \$ 2 @, \$ 113.091 @, \$ 104.44 @, \$ 107.125 @, \$ 101.995 @, \$ 102.287 @, \$ 102.3 @, \$ 119.149 @, \$ 120.621 @, \$ 110.257 @, \$ 96.6823 @, \$ 3 @, \$ 113.441 @, \$ 114.679 @, \$ 105.857 @, \$ 96.9978 @, \$ 107.144 @, \$ 102.433 @, \$ 105.37 @, \$ 101.945 @, \$ 87.3443 @, \$ 106.189 @, \$ 4 @, \$ 137.863 @, \$ 140.035 @, \$ 143.173 @, \$ 138.91 @, \$ 140.183 @, \$ 155.564 @, \$ 143.355 @, \$ 144.309 @, \$ 144.984 @, \$ 141.088 @, \$ 5 @, \$ 101.33 @, \$ 100.462 @, \$ 94.9976 @, \$ 96.2222 @, \$ 99.4801 @, \$ 104.693 @, \$ 99.968 @, \$ 103.022 @, \$ 99.6877 @, \$ 97.2441 @, \$ 6 @, \$ 241.562 @, \$ 240.059 @, \$ 234.685 @, \$ 229.08 @, \$ 231.433 @, \$ 224.61 @, \$ 243.561 @, \$ 230.982 @, \$ 238.634 @, \$ 231.981 @, \$ 7 @, \$ 109.997 @, \$ 114.663 @, \$ 112.765 @, \$ 129.775 @, \$ 118.482 @, \$ 143.21 @, \$ 122.463 @, \$ 121.146 @, \$ 121.861 @, \$ 105.3 @, \$ 8 @, \$ 287.865 @, \$ 289.491 @, \$ 293.071 @, \$ 287.887 @, \$ 290.466 @, \$ 294.287 @, \$ 289.542 @, \$ 287.946 @, \$ 282.4 @, \$ 285.471 @, \$ 9 @, \$ 143.981 @, \$ 140.146 @, \$ 135.199 @, \$ 148.584 @, \$ 151.014 @, \$ 148.319 @, \$ 147.006 @, \$ 145.926 @, \$ 135.105 @, \$ 150.729 @, \$ 10 @, \$ 276.844 @, \$ 277.252 @, \$ 284.874 @, \$ 283.651 @, \$ 283.812 @, \$ 282.997 @, \$ 279.412 @, \$

280.115 @, \$ 278.67 @, \$ 285.269 @, \$  
11 @, \$ 28.7311 @, \$ 25.6976 @, \$ 29.7761 @, \$ 23.0388 @, \$ 30.1247 @, \$ 37.5471 @, \$ 20.6297 @, \$  
32.2818 @, \$ 25.575 @, \$ 30.4651 @, \$  
12 @, \$ 248.276 @, \$ 256.587 @, \$ 253.677 @, \$ 252.455 @, \$ 246.419 @, \$ 252.602 @, \$ 257.631 @, \$  
260.276 @, \$ 257.942 @, \$ 264.112 @, \$  
13 @, \$ 60.3953 @, \$ 57.8246 @, \$ 60.4907 @, \$ 58.1324 @, \$ 57.999 @, \$ 75.3984 @, \$ 60.2269 @, \$ 63.4556  
@, \$ 58.823 @, \$ 61.725 @, \$  
14 @, \$ 101.802 @, \$ 103.585 @, \$ 105.153 @, \$ 104.013 @, \$ 102.71 @, \$ 111.704 @, \$ 102.885 @, \$ 105.133  
@, \$ 106.224 @, \$ 105.582 @, \$  
15 @, \$ 268.702 @, \$ 234.96 @, \$ 238.785 @, \$ 250.43 @, \$ 258.132 @, \$ 278.563 @, \$ 243.859 @, \$ 269.566  
@, \$ 252.982 @, \$ 246.901 @, \$

#### NA19B040

Alpha = 0.0998791

post anova t-test pairs after sorting the sample means in descending order

3,8

9,14

1 @, \$ 228.821 @, \$ 229.425 @, \$ 225.695 @, \$ 228.458 @, \$ 227.452 @, \$ 246.687 @, \$ 227.739 @, \$ 228.981  
@, \$ 228.469 @, \$ 228.513 @, \$  
2 @, \$ 83.2042 @, \$ 70.7929 @, \$ 77.8801 @, \$ 62.6961 @, \$ 61.2297 @, \$ 60.5247 @, \$ 62.7121 @, \$ 56.1394  
@, \$ 67.5386 @, \$ 68.5367 @, \$  
3 @, \$ 266.559 @, \$ 265.994 @, \$ 262.619 @, \$ 267.465 @, \$ 262.749 @, \$ 270.256 @, \$ 262.55 @, \$ 270.81 @  
\$, \$ 268.264 @, \$ 271.405 @, \$  
4 @, \$ 73.8268 @, \$ 69.4526 @, \$ 74.2205 @, \$ 86.0311 @, \$ 74.369 @, \$ 84.551 @, \$ 91.0319 @, \$ 72.2564 @  
\$, \$ 80.1959 @, \$ 80.0579 @, \$  
5 @, \$ 220.663 @, \$ 237.56 @, \$ 214.293 @, \$ 228.806 @, \$ 221.437 @, \$ 220.428 @, \$ 239.052 @, \$ 224.385  
@, \$ 233.376 @, \$ 226.698 @, \$  
6 @, \$ 209.204 @, \$ 223.78 @, \$ 222.543 @, \$ 214.471 @, \$ 218.558 @, \$ 221.777 @, \$ 208.467 @, \$ 205.634  
@, \$ 203.08 @, \$ 228.08 @, \$  
7 @, \$ 170.229 @, \$ 150.103 @, \$ 152.347 @, \$ 159.502 @, \$ 165.345 @, \$ 172.696 @, \$ 154.314 @, \$ 165.081  
@, \$ 158.091 @, \$ 167.454 @, \$  
8 @, \$ 268.445 @, \$ 279.408 @, \$ 271.925 @, \$ 261.72 @, \$ 271.508 @, \$ 280.256 @, \$ 265.62 @, \$ 277.248 @  
\$, \$ 279.107 @, \$ 280.362 @, \$  
9 @, \$ 63.9832 @, \$ 50.5137 @, \$ 73.9652 @, \$ 55.2817 @, \$ 67.9589 @, \$ 65.4789 @, \$ 58.2867 @, \$ 68.0972  
@, \$ 54.9739 @, \$ 51.5773 @, \$  
10 @, \$ 258.916 @, \$ 272.729 @, \$ 262.717 @, \$ 266.149 @, \$ 261.523 @, \$ 282.945 @, \$ 263.141 @, \$  
258.151 @, \$ 260.862 @, \$ 256.369 @, \$  
11 @, \$ 290.229 @, \$ 280.817 @, \$ 292.883 @, \$ 292.318 @, \$ 294.281 @, \$ 306.792 @, \$ 292.434 @, \$  
287.207 @, \$ 290.187 @, \$ 295.466 @, \$  
12 @, \$ 121.883 @, \$ 113.401 @, \$ 118.606 @, \$ 103.093 @, \$ 122.794 @, \$ 123.453 @, \$ 123.398 @, \$  
124.877 @, \$ 110.478 @, \$ 128.306 @, \$  
13 @, \$ 104.084 @, \$ 106.14 @, \$ 107.336 @, \$ 94.4767 @, \$ 104.792 @, \$ 117.328 @, \$ 109.06 @, \$ 113.469  
@, \$ 97.5651 @, \$ 107.13 @, \$  
14 @, \$ 44.4477 @, \$ 38.6625 @, \$ 35.4412 @, \$ 34.6699 @, \$ 32.8365 @, \$ 40.8808 @, \$ 37.9714 @, \$  
35.4299 @, \$ 41.7876 @, \$ 45.7115 @, \$  
15 @, \$ 280.95 @, \$ 275.467 @, \$ 263.097 @, \$ 294.869 @, \$ 275.129 @, \$ 288.465 @, \$ 283.913 @, \$ 276.053  
@, \$ 285.22 @, \$ 276.099 @, \$

#### NA19B041

Alpha = 0.0772702

post anova t-test pairs after sorting the sample means in descending order

3,7

9,13

1 @ , \$ 209.946 @ , \$ 209.401 @ , \$ 199.745 @ , \$ 210.516 @ , \$ 199.821 @ , \$ 202.504 @ , \$ 202.82 @ , \$ 206.498 @ , \$ 202.522 @ , \$ 204.332 @ , \$ 2 @ , \$ 28.7684 @ , \$ 45.4857 @ , \$ 35.6558 @ , \$ 37.7216 @ , \$ 34.1827 @ , \$ 47.4175 @ , \$ 42.5368 @ , \$ 33.2305 @ , \$ 31.4743 @ , \$ 42.3404 @ , \$ 3 @ , \$ 281.541 @ , \$ 289.425 @ , \$ 296.091 @ , \$ 282.794 @ , \$ 284.199 @ , \$ 318.91 @ , \$ 288.757 @ , \$ 285.02 @ , \$ 295.463 @ , \$ 301.331 @ , \$ 4 @ , \$ 68.8369 @ , \$ 59.8395 @ , \$ 83.8867 @ , \$ 63.8757 @ , \$ 64.5119 @ , \$ 87.7712 @ , \$ 83.2254 @ , \$ 82.7526 @ , \$ 67.4894 @ , \$ 69.6124 @ , \$ 5 @ , \$ 55.8079 @ , \$ 44.8713 @ , \$ 52.3543 @ , \$ 42.7344 @ , \$ 63.2196 @ , \$ 66.9309 @ , \$ 45.9642 @ , \$ 67.8937 @ , \$ 53.0643 @ , \$ 56.0375 @ , \$ 6 @ , \$ 59.4831 @ , \$ 49.1848 @ , \$ 61.0218 @ , \$ 57.5153 @ , \$ 63.4637 @ , \$ 72.4915 @ , \$ 64.2432 @ , \$ 62.1225 @ , \$ 51.4011 @ , \$ 68.036 @ , \$ 7 @ , \$ 135.644 @ , \$ 137.967 @ , \$ 137.143 @ , \$ 137.175 @ , \$ 137.263 @ , \$ 158.384 @ , \$ 135.894 @ , \$ 135.987 @ , \$ 134.959 @ , \$ 137.955 @ , \$ 8 @ , \$ 260.659 @ , \$ 265.031 @ , \$ 261.176 @ , \$ 243.348 @ , \$ 261.269 @ , \$ 270.924 @ , \$ 248.937 @ , \$ 245.877 @ , \$ 251.894 @ , \$ 239.948 @ , \$ 9 @ , \$ 106.784 @ , \$ 109.576 @ , \$ 101.737 @ , \$ 92.8371 @ , \$ 102.232 @ , \$ 133.096 @ , \$ 115.017 @ , \$ 115.33 @ , \$ 92.9179 @ , \$ 89.1698 @ , \$ 10 @ , \$ 126.464 @ , \$ 127.678 @ , \$ 113.75 @ , \$ 117.741 @ , \$ 143.686 @ , \$ 120.883 @ , \$ 120.895 @ , \$ 123.12 @ , \$ 135.979 @ , \$ 131.565 @ , \$ 11 @ , \$ 233.393 @ , \$ 224.584 @ , \$ 228.969 @ , \$ 248.699 @ , \$ 228.858 @ , \$ 236.504 @ , \$ 244.075 @ , \$ 237.769 @ , \$ 224.576 @ , \$ 236.176 @ , \$ 12 @ , \$ 54.3991 @ , \$ 55.6908 @ , \$ 40.7427 @ , \$ 40.9039 @ , \$ 46.9631 @ , \$ 56.5295 @ , \$ 66.4471 @ , \$ 57.5217 @ , \$ 48.1922 @ , \$ 57.2495 @ , \$ 13 @ , \$ 17.8978 @ , \$ 45.1395 @ , \$ 61.2447 @ , \$ 48.2592 @ , \$ 48.7745 @ , \$ 60.3236 @ , \$ 44.5049 @ , \$ 54.7261 @ , \$ 55.6435 @ , \$ 59.7686 @ , \$ 14 @ , \$ 75.7923 @ , \$ 79.3202 @ , \$ 80.2174 @ , \$ 72.7462 @ , \$ 75.0857 @ , \$ 77.8045 @ , \$ 69.6805 @ , \$ 76.6821 @ , \$ 73.2815 @ , \$ 83.8863 @ , \$ 15 @ , \$ 79.1953 @ , \$ 81.6177 @ , \$ 75.648 @ , \$ 85.6411 @ , \$ 82.4422 @ , \$ 83.339 @ , \$ 87.641 @ , \$ 82.5681 @ , \$ 83.1857 @ , \$ 81.986 @ , \$

PH20B011

Alpha = 0.0378962

post anova t-test pairs after sorting the sample means in descending order

1,6

10,14

1 @ , \$ 222.941 @ , \$ 244.657 @ , \$ 228.016 @ , \$ 225.347 @ , \$ 236.511 @ , \$ 255.082 @ , \$ 227.185 @ , \$ 225.516 @ , \$ 235.839 @ , \$ 230.251 @ , \$ 2 @ , \$ 62.0415 @ , \$ 55.0265 @ , \$ 49.3193 @ , \$ 47.9541 @ , \$ 52.849 @ , \$ 68.4158 @ , \$ 60.3967 @ , \$ 67.7173 @ , \$ 58.1665 @ , \$ 48.3922 @ , \$ 3 @ , \$ 285.466 @ , \$ 285.044 @ , \$ 275.921 @ , \$ 274.913 @ , \$ 263.753 @ , \$ 305.324 @ , \$ 285.062 @ , \$ 275.903 @ , \$ 277.634 @ , \$ 281.342 @ , \$ 4 @ , \$ 123.579 @ , \$ 114.718 @ , \$ 115.68 @ , \$ 113.321 @ , \$ 114.337 @ , \$ 125.555 @ , \$ 118.107 @ , \$ 118.953 @ , \$ 116.959 @ , \$ 113.532 @ , \$ 5 @ , \$ 241.601 @ , \$ 246.408 @ , \$ 253.968 @ , \$ 244.457 @ , \$ 257.93 @ , \$ 249.813 @ , \$ 260.271 @ , \$ 252.089 @ , \$ 255.004 @ , \$ 270.351 @ , \$ 6 @ , \$ 80.1905 @ , \$ 95.6178 @ , \$ 86.4777 @ , \$ 85.3458 @ , \$ 94.7959 @ , \$ 101.834 @ , \$ 101.927 @ , \$ 84.9505 @ , \$ 88.4683 @ , \$ 85.8721 @ , \$ 7 @ , \$ 72.4453 @ , \$ 79.4977 @ , \$ 77.0631 @ , \$ 79.3332 @ , \$ 74.8008 @ , \$ 69.8867 @ , \$ 70.9722 @ , \$ 94.0384 @ , \$ 74.0547 @ , \$ 85.8659 @ , \$ 8 @ , \$ 197.463 @ , \$ 192.093 @ , \$ 192.916 @ , \$ 193.384 @ , \$ 195.199 @ , \$ 192.479 @ , \$ 183.409 @ , \$ 192.543 @ , \$ 193.654 @ , \$ 187.737 @ , \$

9 @ , \$ 257.359 @ , \$ 258.499 @ , \$ 260.276 @ , \$ 260.941 @ , \$ 257.021 @ , \$ 293.328 @ , \$ 270.136 @ , \$ 264.238 @ , \$ 262.645 @ , \$ 253.642 @ , \$ 10 @ , \$ 78.0798 @ , \$ 52.1314 @ , \$ 53.5019 @ , \$ 45.2417 @ , \$ 61.2382 @ , \$ 73.9161 @ , \$ 55.9462 @ , \$ 72.4745 @ , \$ 57.8106 @ , \$ 49.1185 @ , \$ 11 @ , \$ 180.684 @ , \$ 173.962 @ , \$ 175.955 @ , \$ 168.83 @ , \$ 183.256 @ , \$ 188.481 @ , \$ 188.701 @ , \$ 175.546 @ , \$ 173.565 @ , \$ 168.016 @ , \$ 12 @ , \$ 93.4837 @ , \$ 83.9209 @ , \$ 76.1361 @ , \$ 95.1771 @ , \$ 94.7633 @ , \$ 91.5606 @ , \$ 80.8882 @ , \$ 109.7 @ , \$ 72.9082 @ , \$ 90.8092 @ , \$ 13 @ , \$ 241.742 @ , \$ 235.424 @ , \$ 237.686 @ , \$ 235.638 @ , \$ 238.037 @ , \$ 263.477 @ , \$ 244.416 @ , \$ 235.777 @ , \$ 240.428 @ , \$ 241.522 @ , \$ 14 @ , \$ 98.6634 @ , \$ 81.0192 @ , \$ 115.715 @ , \$ 101.504 @ , \$ 90.827 @ , \$ 125.584 @ , \$ 79.5805 @ , \$ 72.5024 @ , \$ 81.4493 @ , \$ 92.8052 @ , \$ 15 @ , \$ 204.988 @ , \$ 195.611 @ , \$ 201.919 @ , \$ 190.917 @ , \$ 191.488 @ , \$ 196.66 @ , \$ 210.239 @ , \$ 197.225 @ , \$ 217.044 @ , \$ 189.146 @ , \$