DAFTAR PUSTAKA

Adisasmita S. 2011. Jaringan Transportasi Teori dan Analisis. Makassar : Graha Ilmu

Azwar. 2016. Reliabilitas dan Validitas. Yogyakarta : Pustaka Pelajar. Bungin, Burhan. 2005. Metode Penelitian Kuantitatif. Jakarta: Prenadamedia

Firdausi, M. dan Sambodja, R. 2016. Analisis Pemilihan Moda Kendaraan Pribadi dan Angkutan Umum di Bandara Internasional Adisucipto Yogyakarta. ITATS. Surabaya.

Harinaldi, (2005), "Prinsip-Prinsip Statistik Untuk Teknik dan Sains", Erlangga, Jakarta.

Harlan, Johan. 2017. Pengenalan Stata Pengenalan Stata. Depok : Gunadarma Jensen, Jan Moller. (2015). The Relationships between Socio-demographic Variables, Travel Motivations and Subsequent Choice of Vacation. Department of Marketing and Management, University of Southern Denmark, Denmark. DOI: 10.13189/aeb.2015.030804

Kitamura, R. (2009). Life-style and travel demand. Transportation, 36(6), 679–710. https://doi.org/10.1007/s11116-009-9244-6

Lurina, Riska Oktavia. 2022. Anomali Bahasa dalam Percakapan Sehari-hari.

Cendekia : jurnal ilmu sosial, bahasa, dan pendidikan.

Meyer, Michael, and Miller. 1984. Urban Transportation Planning, Mc. Grawhill Book

Morlok, E. K. 1995. Pengantar Teknis dan Perencanaan Transportasi. Jakarta : Penerbit Erlangga

Nurhidayah. (2015). Karakteristik Pengunjung pada Objek Wisata Danau Cipogas Kabupaten Rokan Hulu. Riau : Universitas Riau

Outzar, J.D. and Willumsen, L.G 1997. Modelling transport. England: John Willey & Sons. Erlangga. Jaktarta: Penerbit Erlangga.

Putra, R.E,. Yuwono, S.B,. Herwanti, S,. Wulandari, C,. (2023). Karakteristik Pengunjung Wisata Alam Air Terjun Batu Putu

Kota Bandar Lampung. Fakultas Pertanian, Universitas Lampung. DOI: 10.29303/jbl.v5i2.878

Raharjo,S., Santosa A.D,. 2020. STATA 14 untuk penelitian. Yogyakarta : Kepel Press

Saud, Fadhil Inyanto. 2022. Analisis Karakteristik Perjalanan Wisata Pantai Bosowa di Kota Makassar. Makassar : Universitas Hasanuddin

Sugiyono. 2014. Metode Penelitian Pendidikan Pendekatan Kuantitatif,. Kualitatif, dan R&D. Bandung: PT Alfabet

Sumarwan, U. 2002. Perilaku Konsumen: Teori dan Penerapannya dalam Pemasaran. Bogor : PT Ghalia Indonesia.

Soesilo, 1999. Transportasi Massal, Jakarta : Ghalia Indonesia

Tamin , Ofyar Z., 2000. Perencanaan dan Permodelan Transportasi. Penerbit : ITB, Bandung

Wade, C., dan Tavris, C., (2007), Psikologi Edisi 9 Jilid 2, Jakarta,

Erlangga. Widarsa, K. T., Kurniasari, N. M., Mulyawan, K. H,. 2017.

Modul Praktikum Stata

Biostatistik II . Denpasar : Universitas Udayana

Yoeti, O. A. 1996. Pengantar Ilmu Pariwisata. Bandung : Angkasa.

LAMPIRAN

Lampiran 1 Kuesioner Penelitian

ANALISIS KARAKTERISTIK PERJALANAN PENGUNJUNG PUSAT KAWASAN RELAKSASI PERKOTAAN
DEPARTEMEN TEKNIK SIPIL
FAKULTAS TEKNIK UNIVERSITAS HASANUDDIN
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Lembar - 01

Hari/Tanggal :.....

I. KARAKTERISTIK RESPONDEN

1. Tulislah atau lingkarilah sesuai dengan data pribadi Anda pada isian berikut:
   Nama : ..... Umur: .....
   Jenis Kelamin : a. Laki-laki b. Perempuan Alamat : .....
2. Lingkarilah jawaban Anda pada kolom pilihan karakteristik individu sesuai dengan pertanyaan yang ada pada kolom pertanyaan.

No.	Pertanyaan Karakteristik Responden	Pilihan Karakteristik Individu
1.	Pendidikan terakhir Anda?	a. Tidak tamat SD b. SD c. SMP d. SMA/SMK e. Diploma f. S1 g. S2 h. S3
2.	Pekerjaan tetap Anda?	a. PNS/ASN b. TNI/POLRI c. Pegawai BUMN/Swasta d. Pensiunan e. Wirausaha f. Pelajar g. Mahasiswa h. .....
3.	Berapa penghasilan rata-rata perbulan Anda?	a. < Rp1.000.000, b. Rp1.000.000 - Rp2.000.000 c. Rp2.000.000 - Rp3.000.000 d. Rp3.000.000 - Rp4.000.000 e. Rp4.000.000 - Rp5.000.000 f. Rp5.000.000 - Rp6.000.000 g. > Rp6.000.000 h. .....
4.	Kedudukan/strata Anda dalam keluarga?	a. Suami b. Istri c. Anak d. Saudara e. Orang Tua f. .....
5.	Jumlah anggota keluarga Anda?	a. 1 orang b. 2 orang c. 3 orang d. 4 orang e. 5 orang f. .....
6.	Jenis kendaraan apa yang Anda miliki?	a. Tidak Ada b. Sepeda Motor c. Mobil d. Sepeda Motor & Mobil
7.	Berapa jenis kendaraan pribadi yang Anda miliki? (Unit)	**A. Mobil:** a. 1 b. 2 c. 3 d. ..... **B. Sepeda Motor:** a. 1 b. 2 c. 3 d. .....

II. KARAKTERISTIK PERJALANAN

Jawablah pertanyaan tentang karakteristik perjalanan Anda ke Sunset Quay. Berikut ini, yang pertanyaan & alternatif jawabannya tersaji pada tabel berikut:

No.	Pertanyaan	Alternatif Jawaban
1.	Tujuan berkunjung Anda?	a. Kuliner b. Acara c. Rekreasi d. Olahraga e.....
2.	Apa alasan Anda memilih berkunjung ke *Sunset Quay*?	a. Mudah di jangkau b. Harga terjangkau c. sarana dan prasarana yang nyaman d. Sumber/objek wisata yang indah e. .....
3.	Darimana asal perjalanan Anda sebelum ke *Sunset Quay*?	a. Rumah b. Kantor c. Sekolah/Kampus d. Rumah kerabat e. Mall f. .....
4.	Moda transportasi apa yang Anda gunakan dari lokasi asal ke *Sunset Quay*?	a. Mobil Pribadi b. Sepeda Motor Pribadi c. Bus d. Angkutan Online Roda 2 e. Angkutan Online Roda 4 f. Becak Motor g. Jalan Kaki h. .....
5.	Berapa biaya perjalanan yang Anda keluarkan dari lokasi asal ke *Sunset Quay*? (Rupiah)	a. Tidak Ada b. < Rp5.000 c. Rp5.000 - Rp10.000 d. Rp10.000 - Rp15.000 e. Rp15.000 - Rp20.000 f. Rp20.000 - Rp25.000 g. .....
6.	Berapa waktu perjalanan Anda dari lokasi asal ke *Sunset Quay*?	a. < 10 menit b.10 - 20 menit c. 20 - 30 menit d. 30 - 40 menit e. 40 - 50 menit f. 50 - 60 menit g. .....
7.	Barapa jarak perjalanan Anda dari lokasi asal ke Sunset Quay?	a. < 500 m b. 500 m - 1 km c. 1 - 5 km d. 5 - 10 km e. 10 - 15 km f. 15 - 20 km g. .....
8.	Berapa lama waktu berkunjung Anda?	a. < 30 menit b. 30 - 60 menit c. 1 – 2 jam d. 2 – 3 jam e. .....
9.	Apakah Anda Berkunjung sendirian atau bersama Rombongan?	a. Sendirian b. Rombongan, ... orang

ANALISIS KARAKTERISTIK PERJALANAN PENGUNJUNG PUSAT KAWASAN RELAKSASI PERKOTAAN
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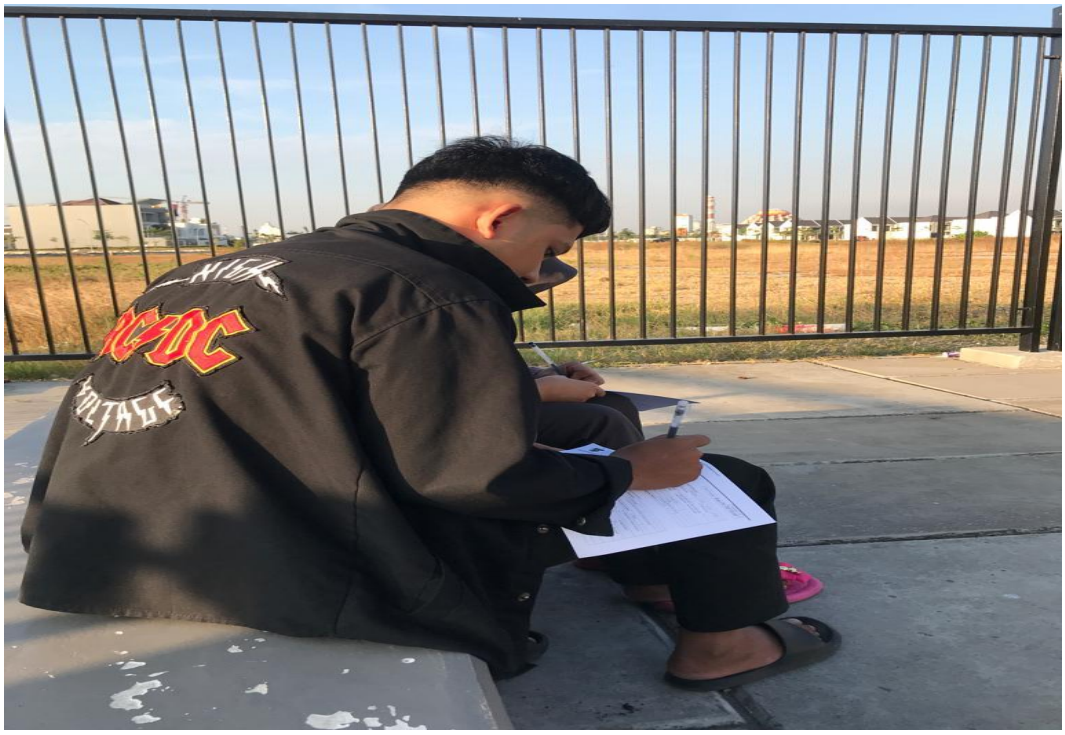
Lembar - 02

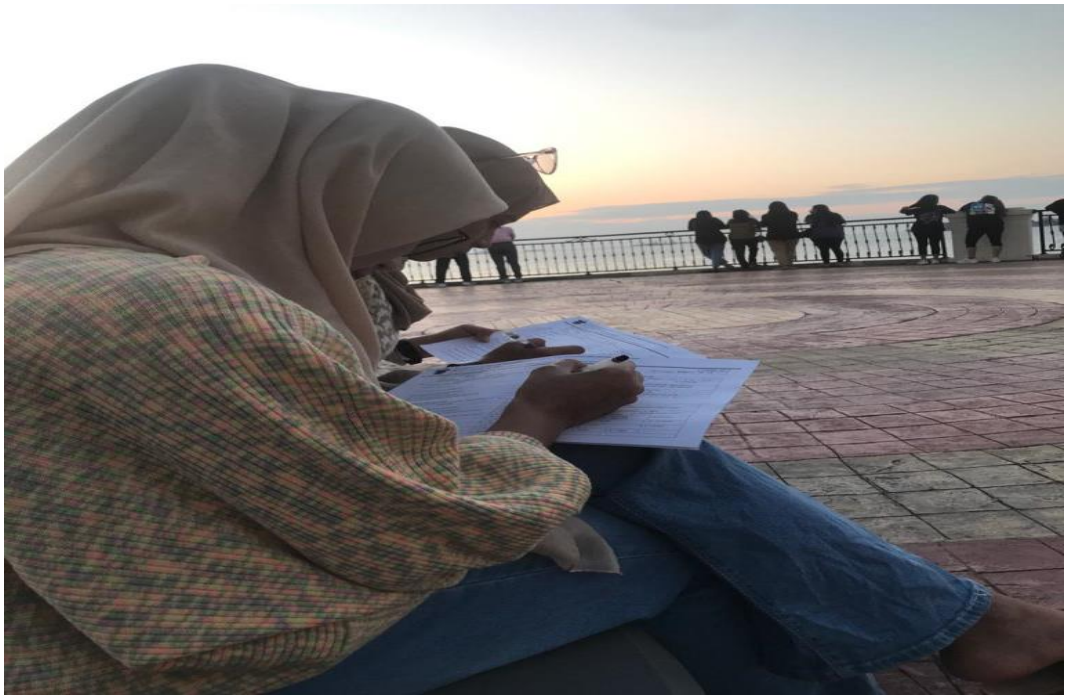
No.	Pertanyaan	Alternatif Jawaban
10.	Jika rombongan, Jenis kendaraan apa yang Anda gunakan bersama rombongan Anda dan Berapa jumlahnya?	a. Jika Menggunakan motor, ...Kendaraan b. Jika Menggunakan mobil, ...Kendaraan
11.	Frekuensi Anda berkunjung ke *Sunset Quay*?	1. Seminggu : a. 1 Kali b. 2 Kali c. 3 Kali d. 4 Kali e. > 4 Kali 2. Sebulan : a. 1 Kali b. 2 Kali c. 3 Kali d. 4 Kali e. > 4 Kali
12.	Pukul berapa anda berangkat dari asal perjalanan ke *Sunset Quay*?	.... : .... WITA
13.	Pukul berapa anda tiba di *Sunset Quay*?	.... : .... WITA
14.	Aktivitas yang diminati di *Sunset Quay*?	.....
15..	Apakah dalam perjalanan anda menggunakan aplikasi?	a. Tidak b. Google Maps c. Waze d. Orin e. Maps.Me f. Here We Go g. .....

III. PREFERENSI TERHADAP RESPONDEN TENTANG KAWASAN *SUNSET QUAY*

No.	Pertanyaan	Alternatif Jawaban
1.	Jenis Transaksi apa yang Anda gunakan saat berbelanja?	a. Tunai b. Non Tunai (.....)
2.	Berapa biaya transaksi/belanja Individu Anda saat berkunjung ke *Sunset Quay*? (Rupiah)	a. Rp5.000 - Rp10.000 b. Rp10.000 - Rp15.000 c. Rp15.000 - Rp20.000 d. Rp20.000 - Rp25.000 e. Rp25.000 - Rp30.000 f. Rp30.000 - Rp35.000 g. Rp35.000 - Rp40.000 h. Rp40.000 - Rp45.000 i. Rp45.000 - Rp50.000 j. .....
3.	Berapa biaya transaksi/belanja rombongan Anda saat berkunjung ke *Sunset Quay*? (Rupiah)	a. Rp5.000 - Rp10.000 b. Rp10.000 - Rp15.000 c. Rp15.000 - Rp20.000 d. Rp20.000 - Rp25.000 e. Rp25.000 - Rp 30.000 f. Rp30.000 - Rp35.000 g. Rp35.000 - Rp40.000 h. Rp40.000 - Rp45.000 i. Rp45.000 - Rp50.000 j. .....
4.	Bagaimana harga belanjaan yang tersedia di *Sunset Quay*?	a. Sangat Murah b.Murah c. Biasa Saja d. Mahal e. Sangat Mahal
6.	Bagaimana pelayanan tempat yang tersedia di *Sunset Quay*?	a. Sangat Buruk b.Buruk c. Sedang d. Baik e. Sangat Baik
7.	Bagaimana tarif parkir di *Sunset Quay*?	a. Sangat Murah b.Murah c. Biasa d.Mahal e. Sangat Mahal
8.	Bagaimana Ketersedian lahan parkir di *Sunset Quay*?	a. Sangat Buruk b.Buruk c. Sedang d. Baik e. Sangat Baik
9.	Bagaimana pelayanan parkir di *Sunset Quay*?	a. Sangat Buruk b.Buruk c. Sedang d. Baik e. Sangat Baik
10.	Bagaimana tingkat kenyamanan di *Sunset Quay*?	a. Sangat Buruk b.Buruk c. Sedang d. Baik e. Sangat Baik
11.	Bagaimana tingkat kebersihan di *Sunset Quay*?	a. Sangat Buruk b.Buruk c. Sedang d. Baik e. Sangat Baik
12.	Bagaimana tingkat Keamanan di *Sunset Quay*?	a. Sangat Buruk b.Buruk c. Sedang d. Baik e. Sangat Baik
13.	Bagaimana fasilitas yang disediakan di *Sunset Quay*?	a. Sangat Buruk b.Buruk c. Sedang d. Baik e. Sangat Baik

Lampiran 2. Dokumentasi


AC/DC



Lampiran 3. Tabel R

Tabel nilai kritis untuk r Pearson Product Moment

dk=n-2	Probabilitas 1 ekor							
	0,10	0,05	0,025	0,01	0,005	0,0025	0,001	0,0005
	Probabilitas 2 ekor							
	0,20	0,10	0,05	0,02	0,01	0,01	0,002	0,001
1	0,951	0,988	0,997	1,000	1,000	1,000	1,000	1,000
2	0,800	0,900	0,950	0,980	0,990	0,995	0,998	0,999
3	0,687	0,805	0,878	0,934	0,959	0,974	0,986	0,991
4	0,608	0,729	0,811	0,882	0,917	0,942	0,963	0,974
5	0,551	0,669	0,754	0,833	0,875	0,906	0,935	0,951
6	0,507	0,621	0,707	0,789	0,834	0,870	0,905	0,925
7	0,472	0,582	0,666	0,750	0,798	0,836	0,875	0,898
8	0,443	0,549	0,632	0,715	0,765	0,805	0,847	0,872
9	0,419	0,521	0,602	0,685	0,735	0,776	0,820	0,847
10	0,398	0,497	0,576	0,658	0,708	0,750	0,795	0,823
11	0,380	0,476	0,553	0,634	0,684	0,726	0,772	0,801
12	0,365	0,458	0,532	0,612	0,661	0,703	0,750	0,780
13	0,351	0,441	0,514	0,592	0,641	0,683	0,730	0,760
14	0,338	0,426	0,497	0,574	0,623	0,664	0,711	0,742
15	0,327	0,412	0,482	0,558	0,606	0,647	0,694	0,725
16	0,317	0,400	0,468	0,543	0,590	0,631	0,678	0,708
17	0,308	0,389	0,456	0,529	0,575	0,616	0,662	0,693
18	0,299	0,378	0,444	0,516	0,561	0,602	0,648	0,679
19	0,291	0,369	0,433	0,503	0,549	0,589	0,635	0,665
20	0,284	0,360	0,423	0,492	0,537	0,576	0,622	0,652
21	0,277	0,352	0,413	0,482	0,526	0,565	0,610	0,640
22	0,271	0,344	0,404	0,472	0,515	0,554	0,599	0,629
23	0,265	0,337	0,396	0,462	0,505	0,543	0,588	0,618
24	0,260	0,330	0,388	0,453	0,496	0,534	0,578	0,607
25	0,255	0,323	0,381	0,445	0,487	0,524	0,568	0,597
26	0,250	0,317	0,374	0,437	0,479	0,515	0,559	0,588
27	0,245	0,311	0,367	0,430	0,471	0,507	0,550	0,579
28	0,241	0,306	0,361	0,423	0,463	0,499	0,541	0,570
29	0,237	0,301	0,355	0,416	0,456	0,491	0,533	0,562
30	0,233	0,296	0,349	0,409	0,449	0,484	0,526	0,554
35	0,216	0,275	0,325	0,381	0,418	0,452	0,492	0,519
40	0,202	0,257	0,304	0,358	0,393	0,425	0,463	0,490
45	0,190	0,243	0,288	0,338	0,372	0,403	0,439	0,465
50	0,181	0,231	0,273	0,322	0,354	0,384	0,419	0,443
60	0,165	0,211	0,250	0,295	0,325	0,352	0,385	0,408
70	0,153	0,195	0,232	0,274	0,302	0,327	0,358	0,380
80	0,143	0,183	0,217	0,257	0,283	0,307	0,336	0,357
90	0,135	0,173	0,205	0,242	0,267	0,290	0,318	0,338
100	0,128	0,164	0,195	0,230	0,254	0,276	0,303	0,321
150	0,105	0,134	0,159	0,189	0,208	0,227	0,249	0,264
200	0,091	0,116	0,138	0,164	0,181	0,197	0,216	0,230
300	0,074	0,095	0,113	0,134	0,148	0,161	0,177	0,188
400	0,064	0,082	0,098	0,116	0,128	0,140	0,154	0,164
500	0,057	0,073	0,088	0,104	0,115	0,125	0,138	0,146
1000	0,041	0,052	0,062	0,073	0,081	0,089	0,098	0,104

Lampiran 4. Hasil Running STATA

1 Monday January 15 14:24:48 2024   Page 1

```
  ___  ____  ____  ____  ____(R)
 /__    /   ____/   /   ____/
___/   /   /___/   /   /___/
  Statistics/Data analysis

    User: 1
 Project: 1
```

```
  ___  ____  ____  ____  ____ ©
 /__    /   ____/   /   ____/      17.0
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Notes:
1. Unicode is supported; see help unicode advice.
2. More than 2 billion observations are allowed; see help obs advice.
3. Maximum number of variables is set to 5,000; see help set maxvar.
4. New update available; type -update all-

1 . *(7 variables, 500 observations pasted into data editor)

2 . *(6 variables, 500 observations pasted into data editor)

3 . alpha p1 p2 p3 p4 p5 p6 p7 p8 p9 p10 p11 p12 p13, item

Test scale = mean(unstandardized items)

Item	Obs	Sign	Item-test correlation	Item-rest correlation	Average interitem covariance	alpha
p1	500	-	0.0489	-0.0386	.0767568	0.6397
p2	500	+	0.3479	0.2090	.0605062	0.5911
p3	500	+	0.4334	0.2599	.0522472	0.5652
p4	500	-	0.3295	0.0618	.0672712	0.6324
p5	500	+	0.3834	0.0844	.0633151	0.6258
p6	500	-	0.1958	0.0107	.0741272	0.6408
p7	500	+	0.2484	0.0825	.0684346	0.6203
p8	500	-	0.2899	0.1103	.0654652	0.6122
p9	500	+	0.2160	0.0958	.0694324	0.6190
p10	500	+	0.3859	0.1102	.0607734	0.6119
p11	500	-	0.4367	0.2186	.0517054	0.5690
p12	500	-	0.4133	0.2715	.0552586	0.5729
p13	500	-	0.5045	0.0769	.0607007	0.6579
Test scale					.063538	0.6297

4 .

```
  1  Thursday January 18 16:31:05 2024   Page 1

                                                                      ___  ____  ____  ____  ____(R)
                                                                     /__    /   ____/   /   ____/
                                                                    ___/   /   /___/   /   /___/
                                                                      Statistics/Data analysis

                                                                        User: 1
                                                                     Project: 1

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          2. More than 2 billion observations are allowed; see help obs_advice.
          3. Maximum number of variables is set to 5,000; see help set_maxvar.
          4. New update available; type -update all-

  1 . *(13 variables, 500 observations pasted into data editor)

  2 . ttest y1 == x1

    Paired t test

    ------------------------------------------------------------------------------
    Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
    ---------+--------------------------------------------------------------------
          y1 |     500       4.146    .0468803    1.048276    4.053893    4.238107
          x1 |     500       1.468    .0223372    .4994747    1.424113    1.511887
    ---------+--------------------------------------------------------------------
        diff |     500       2.678    .0508508    1.137058    2.578092    2.777908
    ------------------------------------------------------------------------------
         mean(diff) = mean(y1 - x1)                                    t =  52.6639
     H0: mean(diff) = 0                                     Degrees of freedom =      499

     Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
     Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

  3 . ttest y1 == x2

    Paired t test

    ------------------------------------------------------------------------------
    Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
    ---------+--------------------------------------------------------------------
          y1 |     500       4.146    .0468803    1.048276    4.053893    4.238107
          x2 |     500       1.582    .0376482    .8418393    1.508031    1.655969
    ---------+--------------------------------------------------------------------
        diff |     500       2.564    .0604244    1.351131    2.445282    2.682718
    ------------------------------------------------------------------------------
         mean(diff) = mean(y1 - x2)                                    t =  42.4332
     H0: mean(diff) = 0                                     Degrees of freedom =      499

     Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
     Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

  4 . ttest y1 == x3

    Paired t test

    ------------------------------------------------------------------------------
    Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
    ---------+--------------------------------------------------------------------
          y1 |     500       4.146    .0468803    1.048276    4.053893    4.238107
          x3 |     500       4.724    .0487072    1.089126    4.628304    4.819696
    ---------+--------------------------------------------------------------------
        diff |     500        -.578     .069983    1.564869   -.7154978   -.4405022
    ------------------------------------------------------------------------------
         mean(diff) = mean(y1 - x3)                                    t =  -8.2591
     H0: mean(diff) = 0                                     Degrees of freedom =      499
```

```
  1  Thursday January 18 16:31:05 2024   Page 2

   Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
   Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

5 . ttest y1 == x4

  Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y1 |     500       4.146    .0468803    1.048276    4.053893    4.238107
      x4 |     500       5.826    .0691738    1.546774    5.690092    5.961908
---------+--------------------------------------------------------------------
    diff |     500       -1.68    .0852393    1.906008   -1.847472   -1.512528
------------------------------------------------------------------------------
     mean(diff) = mean(y1 - x4)                                     t = -19.7092
 H0: mean(diff) = 0                              Degrees of freedom =      499

   Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
   Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

6 . ttest y1 == x5

  Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y1 |     500       4.146    .0468803    1.048276    4.053893    4.238107
      x5 |     500       3.258     .077891    1.741695    3.104965    3.411035
---------+--------------------------------------------------------------------
    diff |     500        .888     .089571    2.002868    .7120173    1.063983
------------------------------------------------------------------------------
     mean(diff) = mean(y1 - x5)                                     t =   9.9139
 H0: mean(diff) = 0                              Degrees of freedom =      499

   Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
   Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

7 . ttest y1 == x6

  Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y1 |     500       4.146    .0468803    1.048276    4.053893    4.238107
      x6 |     500       4.304    .0472825     1.05727    4.211103    4.396897
---------+--------------------------------------------------------------------
    diff |     500        -.158    .0643923    1.439855   -.2845134   -.0314866
------------------------------------------------------------------------------
     mean(diff) = mean(y1 - x6)                                     t =  -2.4537
 H0: mean(diff) = 0                              Degrees of freedom =      499

   Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
   Pr(T < t) = 0.0072         Pr(|T| > |t|) = 0.0145          Pr(T > t) = 0.9928

8 . ttest y1 == x7

  Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y1 |     500       4.146    .0468803    1.048276    4.053893    4.238107
      x7 |     500        2.85    .0429265     .959866    2.765661    2.934339
---------+--------------------------------------------------------------------
    diff |     500       1.296    .0669457    1.496952     1.16447     1.42753
------------------------------------------------------------------------------
     mean(diff) = mean(y1 - x7)                                     t =  19.3590
 H0: mean(diff) = 0                              Degrees of freedom =      499

   Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
   Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000
```

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```
 9 . ttest y2 == x1

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y2 |     500       1.686    .0311247    .6959689    1.624848    1.747152
      x1 |     500       1.468    .0223372    .4994747    1.424113    1.511887
---------+--------------------------------------------------------------------
    diff |     500        .218    .0358821    .8023488    .1475013    .2884987
------------------------------------------------------------------------------
    mean(diff) = mean(y2 - x1)                                    t =   6.0754
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

10 . ttest y2 == x2

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y2 |     500       1.686    .0311247    .6959689    1.624848    1.747152
      x2 |     500       1.582    .0376482    .8418393    1.508031    1.655969
---------+--------------------------------------------------------------------
    diff |     500        .104    .0458538    1.025323    .0139096    .1940904
------------------------------------------------------------------------------
    mean(diff) = mean(y2 - x2)                                    t =   2.2681
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.9881         Pr(|T| > |t|) = 0.0238          Pr(T > t) = 0.0119

11 . ttest y2 == x3

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y2 |     500       1.686    .0311247    .6959689    1.624848    1.747152
      x3 |     500       4.724    .0487072    1.089126    4.628304    4.819696
---------+--------------------------------------------------------------------
    diff |     500      -3.038    .0549103    1.227832   -3.145884   -2.930116
------------------------------------------------------------------------------
    mean(diff) = mean(y2 - x3)                                    t = -55.3266
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

12 . ttest y2 == x4

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y2 |     500       1.686    .0311247    .6959689    1.624848    1.747152
      x4 |     500       5.826    .0691738    1.546774    5.690092    5.961908
---------+--------------------------------------------------------------------
    diff |     500       -4.14     .076134    1.702409   -4.289583   -3.990417
------------------------------------------------------------------------------
    mean(diff) = mean(y2 - x4)                                    t = -54.3778
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000
```

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```
13 . ttest y2 == x5

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y2 |     500       1.686    .0311247    .6959689    1.624848    1.747152
      x5 |     500       3.258     .077891    1.741695    3.104965    3.411035
---------+--------------------------------------------------------------------
    diff |     500      -1.572    .0831352    1.858959   -1.735338   -1.408662
------------------------------------------------------------------------------
    mean(diff) = mean(y2 - x5)                                    t = -18.9090
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

14 . ttest y2 == x6

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y2 |     500       1.686    .0311247    .6959689    1.624848    1.747152
      x6 |     500       4.304    .0472825     1.05727    4.211103    4.396897
---------+--------------------------------------------------------------------
    diff |     500      -2.618     .05726    1.280373     -2.7305     -2.5055
------------------------------------------------------------------------------
    mean(diff) = mean(y2 - x6)                                    t = -45.7213
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

15 . ttest y2 == x7

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y2 |     500       1.686    .0311247    .6959689    1.624848    1.747152
      x7 |     500        2.85    .0429265     .959866    2.765661    2.934339
---------+--------------------------------------------------------------------
    diff |     500      -1.164    .0519192    1.160948   -1.266007   -1.061993
------------------------------------------------------------------------------
    mean(diff) = mean(y2 - x7)                                    t = -22.4195
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

16 . ttest y3 == x1

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y3 |     500       4.132    .0723853    1.618584    3.989782    4.274218
      x1 |     500       1.468    .0223372    .4994747    1.424113    1.511887
---------+--------------------------------------------------------------------
    diff |     500       2.664    .0727791    1.627391    2.521009    2.806991
------------------------------------------------------------------------------
    mean(diff) = mean(y3 - x1)                                    t =  36.6039
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000
```

```
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17 . ttest y3 == x2

Paired t test
```

Variable	Obs	Mean	Std. err.	Std. dev.	[95% conf.	interval]
y3	**500**	**4.132**	**.0723853**	**1.618584**	**3.989782**	**4.274218**
x2	**500**	**1.582**	**.0376482**	**.8418393**	**1.508031**	**1.655969**
diff	**500**	**2.55**	**.0825386**	**1.84562**	**2.387834**	**2.712166**

```
    mean(diff) = mean(y3 - x2)                                    t =  30.8946
H0: mean(diff) = 0                             Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

18 . ttest y3 == x3

Paired t test
```

Variable	Obs	Mean	Std. err.	Std. dev.	[95% conf.	interval]
y3	**500**	**4.132**	**.0723853**	**1.618584**	**3.989782**	**4.274218**
x3	**500**	**4.724**	**.0487072**	**1.089126**	**4.628304**	**4.819696**
diff	**500**	**-.592**	**.0860807**	**1.924824**	**-.7611253**	**-.4228747**

```
    mean(diff) = mean(y3 - x3)                                    t =  -6.8773
H0: mean(diff) = 0                             Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

19 . ttest y3 == x4

Paired t test
```

Variable	Obs	Mean	Std. err.	Std. dev.	[95% conf.	interval]
y3	**500**	**4.132**	**.0723853**	**1.618584**	**3.989782**	**4.274218**
x4	**500**	**5.826**	**.0691738**	**1.546774**	**5.690092**	**5.961908**
diff	**500**	**-1.694**	**.1043**	**2.332218**	**-1.898921**	**-1.489079**

```
    mean(diff) = mean(y3 - x4)                                    t = -16.2416
H0: mean(diff) = 0                             Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

20 . ttest y3 == x5

Paired t test
```

Variable	Obs	Mean	Std. err.	Std. dev.	[95% conf.	interval]
y3	**500**	**4.132**	**.0723853**	**1.618584**	**3.989782**	**4.274218**
x5	**500**	**3.258**	**.077891**	**1.741695**	**3.104965**	**3.411035**
diff	**500**	**.874**	**.1055392**	**2.359928**	**.666644**	**1.081356**

```
    mean(diff) = mean(y3 - x5)                                    t =   8.2813
H0: mean(diff) = 0                             Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000
```

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```
21 . ttest y3 == x6

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y3 |     500       4.132    .0723853    1.618584    3.989782    4.274218
      x6 |     500       4.304    .0472825     1.05727    4.211103    4.396897
---------+--------------------------------------------------------------------
    diff |     500        -.172    .0843508    1.886142   -.3377266   -.0062734
------------------------------------------------------------------------------
    mean(diff) = mean(y3 - x6)                                    t =  -2.0391
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0210         Pr(|T| > |t|) = 0.0420          Pr(T > t) = 0.9790

22 . ttest y3 == x7

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y3 |     500       4.132    .0723853    1.618584    3.989782    4.274218
      x7 |     500        2.85    .0429265     .959866    2.765661    2.934339
---------+--------------------------------------------------------------------
    diff |     500       1.282     .082429    1.843169    1.120049    1.443951
------------------------------------------------------------------------------
    mean(diff) = mean(y3 - x7)                                    t =  15.5528
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

23 . ttest y4 == x1

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y4 |     500        3.07    .0600117    1.341902    2.952093    3.187907
      x1 |     500       1.468    .0223372    .4994747    1.424113    1.511887
---------+--------------------------------------------------------------------
    diff |     500       1.602    .0629851     1.40839    1.478251    1.725749
------------------------------------------------------------------------------
    mean(diff) = mean(y4 - x1)                                    t =  25.4346
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

24 . ttest y4 == x2

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y4 |     500        3.07    .0600117    1.341902    2.952093    3.187907
      x2 |     500       1.582    .0376482    .8418393    1.508031    1.655969
---------+--------------------------------------------------------------------
    diff |     500       1.488    .0725413    1.622072    1.345476    1.630524
------------------------------------------------------------------------------
    mean(diff) = mean(y4 - x2)                                    t =  20.5125
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000
```

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```
25 . ttest y4 == x3

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y4 |     500        3.07    .0600117    1.341902    2.952093    3.187907
      x3 |     500       4.724    .0487072    1.089126    4.628304    4.819696
---------+--------------------------------------------------------------------
    diff |     500      -1.654    .0791524    1.769901   -1.809513   -1.498487
------------------------------------------------------------------------------
     mean(diff) = mean(y4 - x3)                                     t = -20.8964
 H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

26 . ttest y4 == x4

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y4 |     500        3.07    .0600117    1.341902    2.952093    3.187907
      x4 |     500       5.826    .0691738    1.546774    5.690092    5.961908
---------+--------------------------------------------------------------------
    diff |     500      -2.756    .0919665    2.056434   -2.936689   -2.575311
------------------------------------------------------------------------------
     mean(diff) = mean(y4 - x4)                                     t = -29.9674
 H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

27 . ttest y4 == x5

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y4 |     500        3.07    .0600117    1.341902    2.952093    3.187907
      x5 |     500       3.258     .077891    1.741695    3.104965    3.411035
---------+--------------------------------------------------------------------
    diff |     500        -.188    .0973873    2.177646   -.3793396    .0033396
------------------------------------------------------------------------------
     mean(diff) = mean(y4 - x5)                                     t =  -1.9304
 H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0271         Pr(|T| > |t|) = 0.0541          Pr(T > t) = 0.9729

28 . ttest y4 == x6

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y4 |     500        3.07    .0600117    1.341902    2.952093    3.187907
      x6 |     500       4.304    .0472825     1.05727    4.211103    4.396897
---------+--------------------------------------------------------------------
    diff |     500      -1.234    .0734935    1.643364   -1.378395   -1.089605
------------------------------------------------------------------------------
     mean(diff) = mean(y4 - x6)                                     t = -16.7906
 H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000
```

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```
29 . ttest y4 == x7

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y4 |     500        3.07    .0600117    1.341902    2.952093    3.187907
      x7 |     500        2.85    .0429265     .959866    2.765661    2.934339
---------+--------------------------------------------------------------------
    diff |     500         .22    .0719552    1.608968    .0786274    .3613726
------------------------------------------------------------------------------
    mean(diff) = mean(y4 - x7)                                    t =   3.0575
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.9988         Pr(|T| > |t|) = 0.0024          Pr(T > t) = 0.0012

30 . ttest y5 == x1

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y5 |     500        2.98    .0399298    .8928574    2.901549    3.058451
      x1 |     500       1.468    .0223372    .4994747    1.424113    1.511887
---------+--------------------------------------------------------------------
    diff |     500       1.512    .0456056    1.019772    1.422397    1.601603
------------------------------------------------------------------------------
    mean(diff) = mean(y5 - x1)                                    t =  33.1538
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

31 . ttest y5 == x2

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y5 |     500        2.98    .0399298    .8928574    2.901549    3.058451
      x2 |     500       1.582    .0376482    .8418393    1.508031    1.655969
---------+--------------------------------------------------------------------
    diff |     500       1.398     .056263    1.258079    1.287458    1.508542
------------------------------------------------------------------------------
    mean(diff) = mean(y5 - x2)                                    t =  24.8476
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

32 . ttest y5 == x3

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y5 |     500        2.98    .0399298    .8928574    2.901549    3.058451
      x3 |     500       4.724    .0487072    1.089126    4.628304    4.819696
---------+--------------------------------------------------------------------
    diff |     500      -1.744      .06583    1.472005   -1.873338   -1.614662
------------------------------------------------------------------------------
    mean(diff) = mean(y5 - x3)                                    t = -26.4925
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000
```

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```
33 . ttest y5 == x4

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y5 |     500        2.98    .0399298    .8928574    2.901549    3.058451
      x4 |     500       5.826    .0691738    1.546774    5.690092    5.961908
---------+--------------------------------------------------------------------
    diff |     500      -2.846    .0765263    1.711181   -2.996354   -2.695646
------------------------------------------------------------------------------
    mean(diff) = mean(y5 - x4)                                    t = -37.1898
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

34 . ttest y5 == x5

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y5 |     500        2.98    .0399298    .8928574    2.901549    3.058451
      x5 |     500       3.258     .077891    1.741695    3.104965    3.411035
---------+--------------------------------------------------------------------
    diff |     500       -.278    .0891815    1.994159   -.4532175   -.1027825
------------------------------------------------------------------------------
    mean(diff) = mean(y5 - x5)                                    t =  -3.1172
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0010         Pr(|T| > |t|) = 0.0019          Pr(T > t) = 0.9990

35 . ttest y5 == x6

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y5 |     500        2.98    .0399298    .8928574    2.901549    3.058451
      x6 |     500       4.304    .0472825     1.05727    4.211103    4.396897
---------+--------------------------------------------------------------------
    diff |     500      -1.324     .059642    1.333635   -1.44118    -1.20682
------------------------------------------------------------------------------
    mean(diff) = mean(y5 - x6)                                    t = -22.1991
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

36 . ttest y5 == x7

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y5 |     500        2.98    .0399298    .8928574    2.901549    3.058451
      x7 |     500        2.85    .0429265     .959866    2.765661    2.934339
---------+--------------------------------------------------------------------
    diff |     500         .13    .0605436    1.353797    .0110482    .2489518
------------------------------------------------------------------------------
    mean(diff) = mean(y5 - x7)                                    t =   2.1472
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.9839         Pr(|T| > |t|) = 0.0323          Pr(T > t) = 0.0161
```

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37 . ttest y6 == x1

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y6 |     500       5.132    .1117772    2.499414    4.912388    5.351612
      x1 |     500       1.468    .0223372    .4994747    1.424113    1.511887
---------+--------------------------------------------------------------------
    diff |     500       3.664    .1161775    2.597807    3.435743    3.892257
------------------------------------------------------------------------------
    mean(diff) = mean(y6 - x1)                                    t =  31.5380
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

38 . ttest y6 == x2

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y6 |     500       5.132    .1117772    2.499414    4.912388    5.351612
      x2 |     500       1.582    .0376482    .8418393    1.508031    1.655969
---------+--------------------------------------------------------------------
    diff |     500        3.55    .1170744    2.617863    3.319981    3.780019
------------------------------------------------------------------------------
    mean(diff) = mean(y6 - x2)                                    t =  30.3226
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

39 . ttest y6 == x3

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y6 |     500       5.132    .1117772    2.499414    4.912388    5.351612
      x3 |     500       4.724    .0487072    1.089126    4.628304    4.819696
---------+--------------------------------------------------------------------
    diff |     500        .408    .1228709    2.747478    .1665919    .6494081
------------------------------------------------------------------------------
    mean(diff) = mean(y6 - x3)                                    t =   3.3206
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.9995         Pr(|T| > |t|) = 0.0010          Pr(T > t) = 0.0005

40 . ttest y6 == x4

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y6 |     500       5.132    .1117772    2.499414    4.912388    5.351612
      x4 |     500       5.826    .0691738    1.546774    5.690092    5.961908
---------+--------------------------------------------------------------------
    diff |     500        -.694    .1343012    3.003065   -.9578654   -.4301346
------------------------------------------------------------------------------
    mean(diff) = mean(y6 - x4)                                    t =  -5.1675
H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000
```

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41 . ttest y6 == x5

   Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y6 |     500       5.132    .1117772    2.499414    4.912388    5.351612
      x5 |     500       3.258     .077891    1.741695    3.104965    3.411035
---------+--------------------------------------------------------------------
    diff |     500       1.874    .1460373    3.265494    1.587076    2.160924
------------------------------------------------------------------------------
     mean(diff) = mean(y6 - x5)                                    t =  12.8323
 H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

42 . ttest y6 == x6

   Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y6 |     500       5.132    .1117772    2.499414    4.912388    5.351612
      x6 |     500       4.304    .0472825     1.05727    4.211103    4.396897
---------+--------------------------------------------------------------------
    diff |     500        .828    .1252046    2.799659    .5820069    1.073993
------------------------------------------------------------------------------
     mean(diff) = mean(y6 - x6)                                    t =   6.6132
 H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

43 . ttest y6 == x7

   Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. err.   Std. dev.   [95% conf. interval]
---------+--------------------------------------------------------------------
      y6 |     500       5.132    .1117772    2.499414    4.912388    5.351612
      x7 |     500        2.85    .0429265     .959866    2.765661    2.934339
---------+--------------------------------------------------------------------
    diff |     500       2.282    .1187989    2.656424    2.048592    2.515408
------------------------------------------------------------------------------
     mean(diff) = mean(y6 - x7)                                    t =  19.2089
 H0: mean(diff) = 0                              Degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

44 .
```