

DAFTAR PUSTAKA

- Adisasmita S. 2011. Jaringan Transportasi Teori dan Analisis. Makassar : Graha Ilmu
- Amir S. 2011. Optimalisasi Pemanfaatan Wisata Bahari Bagi Pengelolaan Pulau-pulau Kecil Berbasis Mitigasi. Jurnal Ilmiah Agribisnis Vol 12 No. 3 ISSN: 1412-3657.
- Andriansyah. 2015. Manajemen Transportasi dalam Kajian dan Teori. Jakarta Pusat: Fakultas Ilmu Sosial dan Ilmu Politik Universitas Prof. Dr. Moestopo Beragama.
- Azwar. 2016. Reliabilitas dan Validitas. Yogyakarta : Pustaka Pelajar.
- BPS. 2017. Statistik Indonesia 2017 Retrieved from <https://www.bps.go.id/>.
- Dayansyah, R. 2014. "Strategi Pengembangan Potensi Pariwisata Di Kabupaten Tangerang". FISIP UI
- ErlanggManheim, M.L. 1979. Fundamentals of Transportation Systems Analysis, Vol. 1: Basic Concepts. Cambridge, MA: MIT Press
- Fahad. 2021. Analisis Karakteristik Perjalanan Pengunjung Kawasan Wisata Lego-lego CPI di Kota Makassar
- Gunn CA. 1994. Tourism Planing Basic Cocepts. Cases 3rd Ed. London (UK): Tylor & Francis Ltd. 442pp.
- Kitamura, R. 2009. Life-style and travel demand. Transportation, 36(6), 679–710. <https://doi.org/10.1007/s11116-009-9244-6>
- Kusmayadi dan Endar Sugiarto. 2000. Metodologi Penelitian dalam Bidang Kepariwisata. Jakarta: PT. Gramedia Pustaka Utama
- Mathieson, A and Wall G. 1982. Tourism: Economic, Physical and Social Impact. London: Longman.
- Meyer, Michael, and Miller. 1984. Urban Transportation Planning, Mc. Grawhill Book
- Morlok, E. K. 1995. Pengantar Teknis dan Perencanaan Transportasi. Jakarta : Penerbit Erlangga

- Musawantoro, M., & Ridwan, M. (2020). Potensi Pantai Panrangluhung di Bira Kabupaten Bulukumba sebagai Destinasi Wisata. *Jurnal Kepariwisata: Destinasi, Hospitalitas Dan Perjalanan*, 3(1), 1–7.
- P, Suwardjoko & Indra P. 2007. *Pariwisata Dalam Tata Ruang Wilayah*. Bandung: ITB.
- Pitana, dkk. 2005. *Sosiologi pariwisata*. CV Andi Offset. Yogyakarta.
- 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
- Rahmadi. 2011. *Pengantar Metodologi Penelitian*. Banjarmasin: Antasari Press
- Saud, Fadhil Inyanto. 2022. *Analisis Karakteristik Perjalanan Wisata Pantai Bosowa di Kota Makassar*. Makassar : Universitas Hasanuddin
- Sheila,dkk. 2019. *Karakteristik dan Perjalanan Wisata di Kota Batu*. Malang. Universitas Brawijaya
- Soesilo, 1999. *Transportasi Massal*, Jakarta : Ghalia Indonesia
- Sugiyono. 2014. *Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif, dan R&D*. Bandung: PT Alfabet
- Sutrisno, Denny Cessario. 2013. Pengaruh Jumlah Obyek Wisata, Jumlah Hotel, dan.Pdrb. Terhadap Retribusi Pariwisata Kabupaten Atau Kota di Jawa Tengah. <http://journal.unnes.ac.id>.
- Tamin , Ofyar Z., 2000. *Perencanaan dan Permodelan Transportasi*. Penerbit : ITB, Bandung
- Undang-Undang Republik Indonesia Nomor 10 Tahun 2009 Tentang Kepariwisata.
- Undang-undang Republik Indonesia Nomor 33 Tahun 2004 Tentang Perimbangan Keuangan Pemerintah Pusat dan Daerah
- Wade, C., dan Tavis, C., 2007, *Psikologi* Edisi 9 Jilid 2, Jakarta, Erlangga.
- Wahidin K. 2009. *Tourism Development: A Geographical Perspective*. *Asian Social Science Journal*. Vol. 5, No. 5 May 2009.
- Wijayanto, I. H. 2013. "Pengembangan Potensi Pariwisata dalam Perspektif Reinventing Government (Studi di Dinas Kebudayaan dan Pariwisata

Kabupaten Lamongan)". Jurnal Administrasi Publik, Vol. 1, No. 6, hlm: 1168-1173.

Yoeti, Oka A. P. 1991. Penuntun Praktis Pramuwisata Profesioanl. Bandung: Penerbit Angkasa.

LAMPIRAN

Lampiran 1. Kuesioner Penelitian



ANALISIS KARAKTERISTIK PERJALANAN WISATA SEMENANJUNG BIRA
DEPARTEMEN TEKNIK SIPIL
FAKULTAS TEKNIK UNIVERSITAS HASANUDDIN

Jl. Poros Malino km. 6 Bontomatene, 92172, Kab. Gowa, Sulawesi Selatan, <http://civil.unhas.ac.id> Email: civil@eng.unhas.ac.id

I. KARAKTERISTIK RESPONDEN

Lembar - 01

1. Tulislah atau lingkari sesuai dengan data pribadi Anda pada isian berikut:

Nama : Umur :
Jenis Kelamin : a. Laki-laki b. Perempuan Alamat :

Hari/Tanggal :

2. Lingkari 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. SMP b. SMA c. Diploma d. S1 e. S2 f. S3
2.	Pekerjaan tetap Anda?	a. PNS/ASN b. Akademisi c. Pensiunan d. Wirasaha e. Pelajar f. Mahasiswa g. Pegawai BUMN/Swasta h.
3.	Berapa penghasilan rata-rata perbulan Anda?	a. < Rp500.000 b. Rp500.000 - Rp2.500.000 c. Rp2.500.000 - Rp5.000.000 d. Rp5.000.000 - Rp10.000.000 e. >Rp.10.000.000
4.	Status Pernikahan	a. Menikah b. Belum menikah

II. KARAKTERISTIK PERJALANAN

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

No.	Pertanyaan	Alternatif Jawaban
1.	Tujuan berkunjung Anda?	a. Kunjungan Budaya b. Liburan c. Penelitian d. olahraga/kesehatan e. Tujuan Ziarah f. Misi Khusus (Bisnis/kesenian dll)
2.	Apa alasan Anda memilih berkunjung ke Wisata Semenanjung Bira?	a. Sumber/objek wisata yang indah b. Sarana dan prasarana yang nyaman c. Mudah dijangkau d. Harga Terjangkau e.
3.	Bagaimana anda melakukan perjalanan wisata ini?	a. Merencanakan sendiri b. Travel Agent c.
4.	Aktivitas yang anda minati pada destinasi	a. Berenang b. Permainan Wahana air c. Snorkling d. Diving e. Swafoto f.
5.	Moda transportasi apa yang Anda gunakan dari lokasi asal ke Wisata Semenanjung Bira?	a. Mobil Pribadi b. Motor Pribadi c. Bus pariwisata d. Minibus Sewa e. Bus disewa f.
6.	Rencana jumlah tujuan destinasi wisata?	a. 1 tujuan destinasi b. 2 - 3 tujuan destinasi c. 4 - 5 tujuan destinasi e. >5 Tujuan destinasi f.
7.	Berapa Biaya perjalanan anda dari lokasi asal ke lokasi tujuan? (Rupiah)	a. < Rp.50.000 b. Rp.50.000 - Rp.100.000 c. Rp.100.000 - 200.000 d. Rp. 200.000 - Rp.300.000 e. > Rp.300.000
8.	Berapa lama waktu perjalanan anda dari lokasi asal ke lokasi tujuan? (menit/jam)	a. < 15 menit b. 15 - 30 menit c. 30 - 60 menit d. 1-3 jam e. 3-6 jam f. > 6 jam
9.	Berapa perkiraan jarak rumah ke lokasi tujuan ?	a. < 10 km b. 10 - 30 km c. 30 - 80 km d. 80 - 150 km e. >150 km
10.	Kapan biasanya anda melakukan perjalanan wisata	a. Hari Biasa (weekday) b. Akhir Pekan (weekend) c. Hari libur nasional d. Hari raya e.



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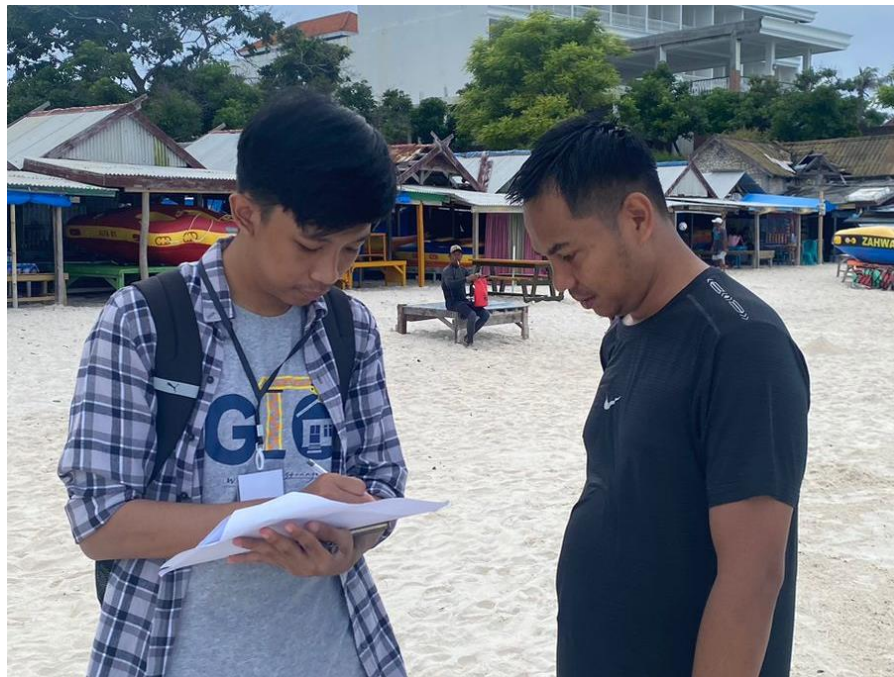
Lembar - 02

10.	Lama Tinggal	a. 1-2 hari b. 2-3 hari c. > 3 hari
11.	Jumlah Rombongan	a. 1-2 orang b. 3-8 orang c. > 8 orang

III. PREFERENSI TERHADAP KUALITAS PELAYANAN DAN FASILITAS

No.	Pertanyaan	Alternatif Jawaban
1.	Bagaimana tingkat kebersihan Wisata di semenanjung Bira?	a. Sangat Baik b. Baik c. Sedang d. Buruk e. Sangat Buruk
2.	Bagaimana tingkat kenyamanan Wisata di Semenanjung Bira?	a. Sangat Baik b. Baik c. Sedang d. Buruk e. Sangat Buruk
3.	Bagaimana tingkat keamanan wisata di Semenanjung Bira?	a. Sangat Baik b. Baik c. Sedang d. Buruk e. Sangat Buruk
4.	Bagaimana ketersediaan lahan parkir untuk kendaraan wisatawan?	a. Sangat Baik b. Baik c. Sedang d. Buruk e. Sangat Buruk
5.	Bagaimana kondisi kebersihan toilet di lokasi wisata?	a. Sangat Baik b. Baik c. Sedang d. Buruk e. Sangat Buruk
6.	Bagaimana pelayanan restaurant/warung makan yang tersedia?	a. Sangat Baik b. Baik c. Sedang d. Buruk e. Sangat Buruk
7.	Bagaimana kondisi penginapan yang ada di sekitar objek wisata?	a. Sangat Baik b. Baik c. Sedang d. Buruk e. Sangat Buruk
8.	Bagaimana kondisi jalan menuju objek wisata?	a. Sangat Baik b. Baik c. Sedang d. Buruk e. Sangat Buruk

Lampiran 2. Dokumentasi







Lampiran 3. Tabel R

DF atau DK	Tabel Distribusi Student t						Tabel Uji Korelasi Pearson Product Moment					
	uji satu sisi (one tailed)						uji satu sisi (one tailed)					
	0,25	0,1	0,05	0,025	0,01	0,005	0,25	0,1	0,05	0,025	0,01	0,005
	Uji dua sisi (two tailed)						Uji dua sisi (two tailed)					
	0,5	0,2	0,1	0,05	0,02	0,01	0,5	0,2	0,1	0,05	0,02	0,01
364	0,675	1,284	1,649	1,967	2,337	2,589	0,035	0,067	0,086	0,103	0,122	0,134
365	0,675	1,284	1,649	1,966	2,337	2,589	0,035	0,067	0,086	0,102	0,121	0,134
366	0,675	1,284	1,649	1,966	2,337	2,589	0,035	0,067	0,086	0,102	0,121	0,134
367	0,675	1,284	1,649	1,966	2,337	2,589	0,035	0,067	0,086	0,102	0,121	0,134
368	0,675	1,284	1,649	1,966	2,337	2,589	0,035	0,067	0,086	0,102	0,121	0,134
369	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,067	0,086	0,102	0,121	0,134
370	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,067	0,085	0,102	0,121	0,133
371	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,067	0,085	0,102	0,120	0,133
372	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,066	0,085	0,101	0,120	0,133
373	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,066	0,085	0,101	0,120	0,133
374	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,066	0,085	0,101	0,120	0,133
375	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,066	0,085	0,101	0,120	0,133
376	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,066	0,085	0,101	0,120	0,132
377	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,066	0,085	0,101	0,119	0,132
378	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,066	0,085	0,101	0,119	0,132
379	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,066	0,084	0,100	0,119	0,132
380	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,066	0,084	0,100	0,119	0,132
381	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,066	0,084	0,100	0,119	0,131
382	0,675	1,284	1,649	1,966	2,336	2,589	0,035	0,066	0,084	0,100	0,119	0,131
383	0,675	1,284	1,649	1,966	2,336	2,589	0,034	0,065	0,084	0,100	0,119	0,131
384	0,675	1,284	1,649	1,966	2,336	2,589	0,034	0,065	0,084	0,100	0,118	0,131
385	0,675	1,284	1,649	1,966	2,336	2,589	0,034	0,065	0,084	0,100	0,118	0,131
386	0,675	1,284	1,649	1,966	2,336	2,589	0,034	0,065	0,084	0,100	0,118	0,131
387	0,675	1,284	1,649	1,966	2,336	2,589	0,034	0,065	0,084	0,099	0,118	0,130
388	0,675	1,284	1,649	1,966	2,336	2,589	0,034	0,065	0,083	0,099	0,118	0,130
389	0,675	1,284	1,649	1,966	2,336	2,589	0,034	0,065	0,083	0,099	0,118	0,130
390	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,065	0,083	0,099	0,117	0,130
391	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,065	0,083	0,099	0,117	0,130
392	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,065	0,083	0,099	0,117	0,130
393	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,065	0,083	0,099	0,117	0,129
394	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,065	0,083	0,099	0,117	0,129
395	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,064	0,083	0,098	0,117	0,129
396	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,064	0,083	0,098	0,117	0,129
397	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,064	0,082	0,098	0,116	0,129
398	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,064	0,082	0,098	0,116	0,129
399	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,064	0,082	0,098	0,116	0,128
400	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,064	0,082	0,098	0,116	0,128
401	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,064	0,082	0,098	0,116	0,128
402	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,064	0,082	0,098	0,116	0,128
403	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,064	0,082	0,097	0,116	0,128
404	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,064	0,082	0,097	0,115	0,128
405	0,675	1,284	1,649	1,966	2,336	2,588	0,034	0,064	0,082	0,097	0,115	0,128
406	0,675	1,284	1,649	1,966	2,336	2,588	0,033	0,064	0,082	0,097	0,115	0,127
407	0,675	1,284	1,649	1,966	2,336	2,588	0,033	0,063	0,081	0,097	0,115	0,127
408	0,675	1,284	1,649	1,966	2,336	2,588	0,033	0,063	0,081	0,097	0,115	0,127
409	0,675	1,284	1,649	1,966	2,335	2,588	0,033	0,063	0,081	0,097	0,115	0,127
410	0,675	1,284	1,649	1,966	2,335	2,588	0,033	0,063	0,081	0,097	0,115	0,127
411	0,675	1,284	1,649	1,966	2,335	2,588	0,033	0,063	0,081	0,097	0,114	0,127
412	0,675	1,284	1,649	1,966	2,335	2,588	0,033	0,063	0,081	0,096	0,114	0,126
413	0,675	1,284	1,649	1,966	2,335	2,588	0,033	0,063	0,081	0,096	0,114	0,126
414	0,675	1,284	1,649	1,966	2,335	2,588	0,033	0,063	0,081	0,096	0,114	0,126
415	0,675	1,284	1,649	1,966	2,335	2,588	0,033	0,063	0,081	0,096	0,114	0,126

Lampiran 4. Hasil Running STATA

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Statistics/Data Analysis (R)

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Notes:

1. (/v# option or -set maxvar-) 5000 maximum variables

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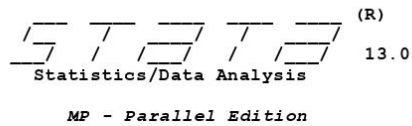
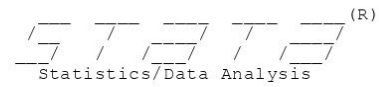
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1 . *(14 variables, 400 observations pasted into data editor)

2 . alpha x_1 x_2 x_3 x_4 x_5 x_6 y_1 y_2 y_3 y_4 y_5 y_6 y_7 y_8, item

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
x_1	400	-	0.3765	0.3047	.1266052	0.5902
x_2	400	+	0.7399	0.5176	.0717226	0.5116
x_3	400	+	0.5844	0.4518	.1032648	0.5504
x_4	400	-	0.6588	0.3796	.0851805	0.5681
x_5	400	+	0.6604	0.5384	.0957075	0.5316
x_6	400	-	0.5708	0.5125	.1188378	0.5732
y_1	400	+	0.1471	0.1006	.1359677	0.6067
y_2	400	+	0.1903	0.1252	.1342362	0.6046
y_3	400	+	0.1250	0.0937	.1368263	0.6076
y_4	400	+	0.2371	0.0700	.1326228	0.6167
y_5	400	+	0.3441	0.1766	.1237424	0.5997
y_6	400	+	0.2749	0.1279	.1290851	0.6058
y_7	400	+	0.1975	0.0752	.1337928	0.6105
y_8	400	+	0.2390	0.0898	.1317672	0.6113
Test scale					.1185256	0.6062



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Notes:

1. (/v# option or -set maxvar-) 5000 maximum variables

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- 1 . *(14 variables, 400 observations pasted into data editor)

- 2 . ttest y_1 == x_1

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_1	400	2.02	.0145613	.2912251	1.991374	2.048626
x_1	400	1.565	.0248189	.4963779	1.516208	1.613792
diff	400	.455	.0301614	.6032286	.3957048	.5142952

mean(diff) = mean(y_1 - x_1) t = 15.0855
 Ho: mean(diff) = 0 degrees of freedom = 399
 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 y_1 == x_2

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_1	400	2.02	.0145613	.2912251	1.991374	2.048626
x_2	400	3.0825	.1030329	2.060658	2.879945	3.285055
diff	400	-1.0625	.1031897	2.063793	-1.265363	-.8596366

mean(diff) = mean(y_1 - x_2) t = -10.2966
 Ho: mean(diff) = 0 degrees of freedom = 399
 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

4 . ttest y_1 == x_3

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_1	400	2.02	.0145613	.2912251	1.991374	2.048626
x_3	400	3.235	.0536809	1.073618	3.129467	3.340533
diff	400	-1.215	.054927	1.098541	-1.322983	-1.107017

mean(diff) = mean(y_1 - x_3) t = -22.1203
 Ho: mean(diff) = 0 degrees of freedom = 399

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 y_1 == x_4

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_1	400	2.02	.0145613	.2912251	1.991374	2.048626
x_4	400	4.72	.1083783	2.167567	4.506936	4.933064
diff	400	-2.7	.1102515	2.20503	-2.916746	-2.483254

mean(diff) = mean(y_1 - x_4) t = -24.4895
 Ho: mean(diff) = 0 degrees of freedom = 399

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 y_1 == x_5

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_1	400	2.02	.0145613	.2912251	1.991374	2.048626
x_5	400	2.635	.0558995	1.117989	2.525106	2.744894
diff	400	-.615	.0570093	1.140186	-.7270762	-.5029238

mean(diff) = mean(y_1 - x_5) t = -10.7877
 Ho: mean(diff) = 0 degrees of freedom = 399

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

7 . ttest y_1 == x_6

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_1	400	2.02	.0145613	.2912251	1.991374	2.048626
x_6	400	1.5275	.0249934	.4998684	1.478365	1.576635
diff	400	.4925	.0296151	.5923013	.4342789	.5507211

mean(diff) = mean(y_1 - x_6) t = 16.6301
 Ho: mean(diff) = 0 degrees of freedom = 399

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**

8 . ttest y_2 == x_1

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_2	400	1.1175	.0205619	.4112378	1.077077	1.157923
x_1	400	1.565	.0248189	.4963779	1.516208	1.613792
diff	400	-.4475	.0327229	.6544574	-.5118308	-.3831692

mean(diff) = mean(y_2 - x_1) t = **-13.6755**
 Ho: mean(diff) = 0 degrees of freedom = **399**

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**

9 . ttest y_2 == x_2

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_2	400	1.1175	.0205619	.4112378	1.077077	1.157923
x_2	400	3.0825	.1030329	2.060658	2.879945	3.285055
diff	400	-1.965	.1003599	2.007199	-2.1623	-1.7677

mean(diff) = mean(y_2 - x_2) t = **-19.5795**
 Ho: mean(diff) = 0 degrees of freedom = **399**

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**

10 . ttest y_2 == x_3

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_2	400	1.1175	.0205619	.4112378	1.077077	1.157923
x_3	400	3.235	.0536809	1.073618	3.129467	3.340533
diff	400	-2.1175	.0572707	1.145414	-2.23009	-2.00491

mean(diff) = mean(y_2 - x_3) t = **-36.9735**
 Ho: mean(diff) = 0 degrees of freedom = **399**

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**

11 . ttest y_2 == x_4

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_2	400	1.1175	.0205619	.4112378	1.077077	1.157923
x_4	400	4.72	.1083783	2.167567	4.506936	4.933064
diff	400	-3.6025	.1121614	2.243228	-3.823001	-3.381999

mean(diff) = mean(y_2 - x_4) t = -32.1189
 Ho: mean(diff) = 0 degrees of freedom = 399

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 y_2 == x_5

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_2	400	1.1175	.0205619	.4112378	1.077077	1.157923
x_5	400	2.635	.0558995	1.117989	2.525106	2.744894
diff	400	-1.5175	.0594396	1.188792	-1.634354	-1.400646

mean(diff) = mean(y_2 - x_5) t = -25.5301
 Ho: mean(diff) = 0 degrees of freedom = 399

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

13 . ttest y_2 == x_6

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_2	400	1.1175	.0205619	.4112378	1.077077	1.157923
x_6	400	1.5275	.0249934	.4998684	1.478365	1.576635
diff	400	-.41	.0332794	.6655881	-.4754249	-.3445751

mean(diff) = mean(y_2 - x_6) t = -12.3199
 Ho: mean(diff) = 0 degrees of freedom = 399

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 y_3 == x_1

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_3	400	1.04	.0098102	.1962046	1.020714	1.059286
x_1	400	1.565	.0248189	.4963779	1.516208	1.613792
diff	400	-.525	.0271621	.5432428	-.5783988	-.4716012

mean(diff) = mean(y_3 - x_1) t = -19.3284
 Ho: mean(diff) = 0 degrees of freedom = 399

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 y_3 == x_2

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_3	400	1.04	.0098102	.1962046	1.020714	1.059286
x_2	400	3.0825	.1030329	2.060658	2.879945	3.285055
diff	400	-2.0425	.1010061	2.020123	-2.241071	-1.843929

mean(diff) = mean(y_3 - x_2) t = -20.2215
 Ho: mean(diff) = 0 degrees of freedom = 399
 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 y_3 == x_3

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_3	400	1.04	.0098102	.1962046	1.020714	1.059286
x_3	400	3.235	.0536809	1.073618	3.129467	3.340533
diff	400	-2.195	.0555667	1.111334	-2.30424	-2.08576

mean(diff) = mean(y_3 - x_3) t = -39.5021
 Ho: mean(diff) = 0 degrees of freedom = 399
 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

17 . ttest y_3 == x_4

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_3	400	1.04	.0098102	.1962046	1.020714	1.059286
x_4	400	4.72	.1083783	2.167567	4.506936	4.933064
diff	400	-3.68	.1087938	2.175876	-3.893881	-3.466119

mean(diff) = mean(y_3 - x_4) t = -33.8255
 Ho: mean(diff) = 0 degrees of freedom = 399
 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

18 . ttest y_3 == x_5

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_3	400	1.04	.0098102	.1962046	1.020714	1.059286
x_5	400	2.635	.0558995	1.117989	2.525106	2.744894
diff	400	-1.595	.0569917	1.139835	-1.707042	-1.482958

mean(diff) = mean(y_3 - x_5) t = -27.9865
 Ho: mean(diff) = 0 degrees of freedom = 399

```

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 y_3 == x_6
```

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_3	400	1.04	.0098102	.1962046	1.020714	1.059286
x_6	400	1.5275	.0249934	.4998684	1.478365	1.576635
diff	400	-.4875	.0276409	.552818	-.54184	-.43316

```

mean(diff) = mean(y_3 - x_6)          t = -17.6369
Ho: mean(diff) = 0                    degrees of freedom = 399

```

```

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 y_4 == x_1
```

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_4	400	1.655	.0522903	1.045806	1.552201	1.757799
x_1	400	1.565	.0248189	.4963779	1.516208	1.613792
diff	400	.09	.0611482	1.222963	-.0302128	.2102128

```

mean(diff) = mean(y_4 - x_1)          t = 1.4718
Ho: mean(diff) = 0                    degrees of freedom = 399

```

```

Ha: mean(diff) < 0          Ha: mean(diff) != 0          Ha: mean(diff) > 0
Pr(T < t) = 0.9291         Pr(|T| > |t|) = 0.1419         Pr(T > t) = 0.0709

```

```
21 . ttest y_4 == x_2
```

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_4	400	1.655	.0522903	1.045806	1.552201	1.757799
x_2	400	3.0825	.1030329	2.060658	2.879945	3.285055
diff	400	-1.4275	.1126658	2.253317	-1.648993	-1.206007

```

mean(diff) = mean(y_4 - x_2)          t = -12.6702
Ho: mean(diff) = 0                    degrees of freedom = 399

```

```

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

```

```
22 . ttest y_4 == x_3
```

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_4	400	1.655	.0522903	1.045806	1.552201	1.757799
x_3	400	3.235	.0536809	1.073618	3.129467	3.340533
diff	400	-1.58	.07664	1.532799	-1.730669	-1.429331

mean(diff) = mean(y_4 - x_3) t = -20.6159
Ho: mean(diff) = 0 degrees of freedom = 399

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

23 . ttest y_4 == x_4

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_4	400	1.655	.0522903	1.045806	1.552201	1.757799
x_4	400	4.72	.1083783	2.167567	4.506936	4.933064
diff	400	-3.065	.1263104	2.526208	-3.313317	-2.816683

mean(diff) = mean(y_4 - x_4) t = -24.2656
Ho: mean(diff) = 0 degrees of freedom = 399

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

24 . ttest y_4 == x_5

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_4	400	1.655	.0522903	1.045806	1.552201	1.757799
x_5	400	2.635	.0558995	1.117989	2.525106	2.744894
diff	400	-.98	.0750873	1.501745	-1.127616	-.8323839

mean(diff) = mean(y_4 - x_5) t = -13.0515
Ho: mean(diff) = 0 degrees of freedom = 399

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

25 . ttest y_4 == x_6

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_4	400	1.655	.0522903	1.045806	1.552201	1.757799
x_6	400	1.5275	.0249934	.4998684	1.478365	1.576635
diff	400	.1275	.0552108	1.104216	.0189596	.2360404

mean(diff) = mean(y_4 - x_6) t = 2.3093
Ho: mean(diff) = 0 degrees of freedom = 399

Ha: mean(diff) < 0 Ha: mean(diff) != 0 Ha: mean(diff) > 0
Pr(T < t) = 0.9893 Pr(|T| > |t|) = 0.0214 Pr(T > t) = 0.0107

26 . ttest y_5 == x_1

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_5	400	4.3125	.0543783	1.087566	4.205596	4.419404
x_1	400	1.565	.0248189	.4963779	1.516208	1.613792
diff	400	2.7475	.0601532	1.203064	2.629243	2.865757

mean(diff) = mean(y_5 - x_1) t = 45.6751
 Ho: mean(diff) = 0 degrees of freedom = 399
 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

27 . ttest y_5 == x_2

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_5	400	4.3125	.0543783	1.087566	4.205596	4.419404
x_2	400	3.0825	.1030329	2.060658	2.879945	3.285055
diff	400	1.23	.1068119	2.136237	1.020016	1.439984

mean(diff) = mean(y_5 - x_2) t = 11.5156
 Ho: mean(diff) = 0 degrees of freedom = 399
 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

28 . ttest y_5 == x_3

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_5	400	4.3125	.0543783	1.087566	4.205596	4.419404
x_3	400	3.235	.0536809	1.073618	3.129467	3.340533
diff	400	1.0775	.0666321	1.332642	.9465062	1.208494

mean(diff) = mean(y_5 - x_3) t = 16.1709
 Ho: mean(diff) = 0 degrees of freedom = 399
 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

29 . ttest y_5 == x_4

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_5	400	4.3125	.0543783	1.087566	4.205596	4.419404
x_4	400	4.72	.1083783	2.167567	4.506936	4.933064
diff	400	-.4075	.1249706	2.499412	-.6531831	-.1618169

mean(diff) = mean(y_5 - x_4) t = -3.2608
 Ho: mean(diff) = 0 degrees of freedom = 399

Ha: mean(diff) < 0 Ha: mean(diff) != 0 Ha: mean(diff) > 0
 Pr(T < t) = **0.0006** Pr(|T| > |t|) = **0.0012** Pr(T > t) = **0.9994**

30 . ttest y_5 == x_5

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_5	400	4.3125	.0543783	1.087566	4.205596	4.419404
x_5	400	2.635	.0558995	1.117989	2.525106	2.744894
diff	400	1.6775	.0662927	1.325854	1.547173	1.807827

mean(diff) = mean(y_5 - x_5) t = **25.3044**
 Ho: mean(diff) = 0 degrees of freedom = **399**

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 y_5 == x_6

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_5	400	4.3125	.0543783	1.087566	4.205596	4.419404
x_6	400	1.5275	.0249934	.4998684	1.478365	1.576635
diff	400	2.785	.0627038	1.254076	2.661729	2.908271

mean(diff) = mean(y_5 - x_6) t = **44.4152**
 Ho: mean(diff) = 0 degrees of freedom = **399**

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 y_6 == x_1

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_6	400	4.345	.0467215	.9344292	4.253149	4.436851
x_1	400	1.565	.0248189	.4963779	1.516208	1.613792
diff	400	2.78	.0544188	1.088376	2.673017	2.886983

mean(diff) = mean(y_6 - x_1) t = **51.0853**
 Ho: mean(diff) = 0 degrees of freedom = **399**

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**

33 . ttest y_6 == x_2

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_6	400	4.345	.0467215	.9344292	4.253149	4.436851
x_2	400	3.0825	.1030329	2.060658	2.879945	3.285055
diff	400	1.2625	.1098369	2.196738	1.046569	1.478431
mean(diff) = mean(y_6 - x_2)				t = 11.4943		
Ho: mean(diff) = 0				degrees of freedom = 399		
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		

34 . ttest y_6 == x_3

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_6	400	4.345	.0467215	.9344292	4.253149	4.436851
x_3	400	3.235	.0536809	1.073618	3.129467	3.340533
diff	400	1.11	.0695114	1.390227	.9733457	1.246654
mean(diff) = mean(y_6 - x_3)				t = 15.9686		
Ho: mean(diff) = 0				degrees of freedom = 399		
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		

35 . ttest y_6 == x_4

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_6	400	4.345	.0467215	.9344292	4.253149	4.436851
x_4	400	4.72	.1083783	2.167567	4.506936	4.933064
diff	400	-.375	.1215437	2.430874	-.6139461	-.1360539
mean(diff) = mean(y_6 - x_4)				t = -3.0853		
Ho: mean(diff) = 0				degrees of freedom = 399		
Ha: mean(diff) < 0		Ha: mean(diff) != 0		Ha: mean(diff) > 0		
Pr(T < t) = 0.0011		Pr(T > t) = 0.0022		Pr(T > t) = 0.9989		

36 . ttest y_6 == x_5

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_6	400	4.345	.0467215	.9344292	4.253149	4.436851
x_5	400	2.635	.0558995	1.117989	2.525106	2.744894
diff	400	1.71	.0701038	1.402075	1.572181	1.847819
mean(diff) = mean(y_6 - x_5)				t = 24.3924		
Ho: mean(diff) = 0				degrees of freedom = 399		
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		

37 . ttest y_6 == x_6

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_6	400	4.345	.0467215	.9344292	4.253149	4.436851
x_6	400	1.5275	.0249934	.4998684	1.478365	1.576635
diff	400	2.8175	.0563998	1.127996	2.706622	2.928378

mean(diff) = mean(y_6 - x_6) t = 49.9559
 Ho: mean(diff) = 0 degrees of freedom = 399
 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 y_7 == x_1

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_7	400	5.4575	.0382314	.7646276	5.38234	5.53266
x_1	400	1.565	.0248189	.4963779	1.516208	1.613792
diff	400	3.8925	.0443822	.8876449	3.805248	3.979752

mean(diff) = mean(y_7 - x_1) t = 87.7040
 Ho: mean(diff) = 0 degrees of freedom = 399
 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 y_7 == x_2

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_7	400	5.4575	.0382314	.7646276	5.38234	5.53266
x_2	400	3.0825	.1030329	2.060658	2.879945	3.285055
diff	400	2.375	.1091592	2.183184	2.160401	2.589599

mean(diff) = mean(y_7 - x_2) t = 21.7572
 Ho: mean(diff) = 0 degrees of freedom = 399
 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

40 . ttest y_7 == x_3

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_7	400	5.4575	.0382314	.7646276	5.38234	5.53266
x_3	400	3.235	.0536809	1.073618	3.129467	3.340533
diff	400	2.2225	.0690609	1.381218	2.086731	2.358269

mean(diff) = mean(y_7 - x_3) t = 32.1817
 Ho: mean(diff) = 0 degrees of freedom = 399

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**

41 . ttest y_7 == x_4

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_7	400	5.4575	.0382314	.7646276	5.38234	5.53266
x_4	400	4.72	.1083783	2.167567	4.506936	4.933064
diff	400	.7375	.1163199	2.326397	.5088236	.9661764

mean(diff) = mean(y_7 - x_4) t = **6.3403**
 Ho: mean(diff) = 0 degrees of freedom = **399**

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 y_7 == x_5

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_7	400	5.4575	.0382314	.7646276	5.38234	5.53266
x_5	400	2.635	.0558995	1.117989	2.525106	2.744894
diff	400	2.8225	.0684778	1.369556	2.687878	2.957122

mean(diff) = mean(y_7 - x_5) t = **41.2177**
 Ho: mean(diff) = 0 degrees of freedom = **399**

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 y_7 == x_6

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_7	400	5.4575	.0382314	.7646276	5.38234	5.53266
x_6	400	1.5275	.0249934	.4998684	1.478365	1.576635
diff	400	3.93	.046698	.9339597	3.838195	4.021805

mean(diff) = mean(y_7 - x_6) t = **84.1578**
 Ho: mean(diff) = 0 degrees of freedom = **399**

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 . ttest y_8 == x_1

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_8	400	2.4375	.0468585	.937171	2.345379	2.529621
x_1	400	1.565	.0248189	.4963779	1.516208	1.613792
diff	400	.8725	.0576534	1.153069	.7591575	.9858425

mean(diff) = mean(y_8 - x_1) t = 15.1335
 Ho: mean(diff) = 0 degrees of freedom = 399

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

45 . ttest y_8 == x_2

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_8	400	2.4375	.0468585	.937171	2.345379	2.529621
x_2	400	3.0825	.1030329	2.060658	2.879945	3.285055
diff	400	-.645	.1115956	2.231911	-.8643888	-.4256112

mean(diff) = mean(y_8 - x_2) t = -5.7798
 Ho: mean(diff) = 0 degrees of freedom = 399

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

46 . ttest y_8 == x_3

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_8	400	2.4375	.0468585	.937171	2.345379	2.529621
x_3	400	3.235	.0536809	1.073618	3.129467	3.340533
diff	400	-.7975	.0693958	1.387916	-.9339271	-.6610729

mean(diff) = mean(y_8 - x_3) t = -11.4921
 Ho: mean(diff) = 0 degrees of freedom = 399

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

47 . ttest y_8 == x_4

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_8	400	2.4375	.0468585	.937171	2.345379	2.529621
x_4	400	4.72	.1083783	2.167567	4.506936	4.933064
diff	400	-2.2825	.1191837	2.383673	-2.516806	-2.048194

mean(diff) = mean(y_8 - x_4) t = -19.1511
 Ho: mean(diff) = 0 degrees of freedom = 399

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

48 . ttest y_8 == x_5

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_8	400	2.4375	.0468585	.937171	2.345379	2.529621
x_5	400	2.635	.0558995	1.117989	2.525106	2.744894
diff	400	-.1975	.070684	1.41368	-.3364596	-.0585404

mean(diff) = mean(y_8 - x_5) t = -2.7941
Ho: mean(diff) = 0 degrees of freedom = 399

Ha: mean(diff) < 0 Ha: mean(diff) != 0 Ha: mean(diff) > 0
Pr(T < t) = 0.0027 Pr(|T| > |t|) = 0.0055 Pr(T > t) = 0.9973

49 . ttest y_8 == x_6

Paired t test

Variable	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
y_8	400	2.4375	.0468585	.937171	2.345379	2.529621
x_6	400	1.5275	.0249934	.4998684	1.478365	1.576635
diff	400	.91	.0545407	1.090814	.802777	1.017223

mean(diff) = mean(y_8 - x_6) t = 16.6848
Ho: mean(diff) = 0 degrees of freedom = 399

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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