

510. Winning times in men's running events

Chatterjee, S. and Chatterjee, S. (1982) New lamps for old: an exploratory analysis of running times in Olympic Games. *Applied Statistics*, 31, 14-22.

The table shows the winning times (in seconds) for men's running events in the Olympic Games between 1900 and 1976 for four different distances. The altitude at which the Games took place is also given. Interest lies in finding a model which best fits the observed times.

Year	100 metres	200 metres	400 metres	800 metres	Altitude
1900	10.80	22.20	49.40	121.40	25
1904	11.00	21.60	49.20	116.00	45
1908	10.80	22.60	50.00	112.80	8
1912	10.80	21.70	48.20	111.90	46
1920	10.80	22.00	49.60	113.40	3
1924	10.60	21.60	47.60	112.40	25
1928	10.80	21.80	47.80	111.80	8
1932	10.30	21.20	46.20	109.80	340
1936	10.30	20.70	46.50	112.90	115
1948	10.30	21.10	46.20	109.20	8
1952	10.40	20.70	45.90	109.20	25
1956	10.50	20.60	46.70	107.70	3
1960	10.20	20.50	44.90	106.30	66
1964	10.00	20.30	45.10	105.10	45
1968	9.90	19.80	43.80	104.30	7349
1972	10.14	20.00	44.66	105.90	1699
1976	10.06	20.23	44.26	103.50	104

DATA STRUCTURE INDEX

Title	Data structure			Filename
1. Germinating seeds	48	3	binary, categorical, count	GERMIN.DAT
2. Guessing lengths	44	1	numeric	LENGTHS.DAT
3. Darwin's cross-fertilized and self-fertilized plants	69	1	numeric	DARWIN.DAT
4. Intervals between cars on the M1 motorway	15	2	rep(2) numeric	INTERVAL.DAT
5. Tearing factor for paper	41	1	numeric	
6. Abrasion loss	20	2	numeric(2)	TEARING.DAT.
7. Mortality and water hardness	30	3	numeric(3)	ABRASION.DAT
8. Tensile strength of cement	61	3	binary, rate(2)	WATER.DAT
9. Weight gain in rats	21	2	numeric(2)	CEMENT.DAT
10. Weight of chickens	40	3	binary(2), numeric	WEIGHT.DAT
11. Flicker frequency	24	3	nominal, categorical, numeric	CHICKENS.DAT
	27	4	nominal(3), numeric [latin square]	FLICKER.DAT
12. Effect of ammonium chloride on yield	16	5	nominal, binary(3), numeric [randomized blocks]	CHLORIDE.DAT
13. Comparing dishwashing detergents	36	3	nominal(2), count [bibd]	DISHWASH.DAT
14. Software system failures	136	1	numeric [survival]	SOFTWARE.DAT
15. Piston-ring failures	12	3	categorical, nominal, count	PISTON.DAT
16. Strength of chemical pastes	60	3	nominal(2), numeric	PASTES.DAT

Title	Data structure			Filename
17. Human age and fatness	18	3	numeric, percentage, binary	HUMAN.DAT
18. Motion sickness	49	3	binary(2), numeric [survival]	MOTION.DAT
19. Plum root cuttings	960	3	binary(3)	PLUM.DAT
20. Spectacle wearing and delinquency	16	2	binary(2)	GLASSES.DAT
21. Yield of isatin derivative	16	5	binary(4), numeric	ISATIN.DAT
22. Fecundity of fruitflies	75	2	nominal, numeric	FRUITFLY.DAT
23. Butterfat	100	3	nominal, binary, numeric	BUTTER.DAT
24. Snoring and heart disease	2484	2	categorical, binary	SNORING.DAT
25. Trees' nearest neighbours	6	6	count(6)	TREES.DAT
26. Air pollution in US cities	41	7	numeric(6), count	USAIR.DAT
27. Acacia ants	28	2	binary(2)	ACACIA.DAT
28. Vaccination	24	6	nominal(3), binary, count(2)	VACCINE.DAT
29. Peppers in glasshouses	24	6	binary(5), numeric	PEPPERS.DAT
30. A clinical trial in lymphoma	273	2	categorical, binary	CLINICAL.DAT
31. Danish do-it-yourself	1591	6	numeric, binary(4), categorical	DANISH.DAT
32. Testing cement	36	3	nominal(2), numeric	TESTING.DAT
33. Irises	150	5	numeric(4), nominal	IRISES.DAT
34. Water voles	14	13	percentage(13)	VOLES.DAT
35. Facilities in East Jerusalem	8	9	[dissimilarity matrix]	FACILITY.DAT
36. Yields of winter wheat	12	4	percentage(9)	WHEAT.DAT
37. WISC blocks	24	3	rep(4) numeric	BLOCKS.DAT
38. Byssinosis	5419	6	binary, numeric(2)	LUNG.DAT
39. A tomato crossing experiment	1611	2	categorical, binary(4), numeric	TOMATO.DAT
40. Coronary heart disease	1329	3	binary(2)	CORONARY.DAT
41. Toxaemia of pregnancy	113384	4	numeric(2), binary	TOXAEMIA.DAT
42. Starting positions in horse racing	144	1	categorical(2), binary(2)	HORSE.DAT

Title	Data structure			Filename
43. Saltiness judgements	9	1	numeric	SALT.DAT
44. Oral socialization and explanations of illness	39	2	binary, categorical	ILLNESS.DAT
45. Dopamine and schizophrenia	25	2	binary, numeric	DOPAMINE.DAT
46. US cancer mortality	11	5	rep(2) count(2), numeric	USCANCER.DAT
47. Cholesterol and behaviour type	3154	2	binary, numeric	BEHAVE.DAT
48. Aflatoxin in peanuts	34	2	numeric, percentage	PEANUTS.DAT
49. Anscombe's correlation data	11	2	numeric(2)	ANScombe.DAT
	11	2	numeric(2)	
	11	2	numeric(2)	
	11	2	numeric(2)	
50. Caffeine and finger tapping	30	2	numeric(2)	CAFFEINE.DAT
51. Jackal mandible lengths	20	2	binary, numeric	JACKAL.DAT
52. Birds in paramo vegetation	14	5	count, numeric(4)	PARAMO.DAT
53. Extinction of marine genera	48	2	numeric, percentage	MARINE.DAT
54. Household expenditures	40	5	binary, numeric(4)	HOUSE.DAT
55. Cork deposits	28	4	numeric(4)	CORK.DAT
56. Creatinine kinase and heart attacks	360	2	binary, numeric	HEART.DAT
57. Petrol expenditure	32	4	numeric(4)	PETROL.DAT
58. North Buckinghamshire moths	24	1	count	MOTHS.DAT
59. Crowds and threatened suicide	21	2	binary(2)	SUICIDE.DAT
60. Putting the shot	20	1	numeric	SHOT.DAT
61. Wooden toy prices	31	1	numeric	TOY.DAT
62. Food prices	10	2	rep(2) numeric	FOOD.DAT
63. UK earnings ratios	1	60	rep(12) numeric(5)	EARNINGS.DAT
64. Census data on 10 towns	10	4	percentage(4)	CENSUS.DAT
65. Expenditure on food	11	2	numeric, percentage	EXPEND.DAT
66. Anaerobic threshold	1	106	rep(53) numeric(2)	ANAEROB.DAT
67. Road casualties on Fridays	1	24	rep(24) count [time series]	FRIDAY.DAT

Title	Data structure			Filename
68. UK sprinters	10	2	maxima(2)	UKSPRINT.DAT
69. Unemployment and expenditure on motoring	11	2	percentage(2)	MOTORING.DAT
70. Cloud seeding	24	7	binary(2), numeric(5)	CLOUD.DAT
71. Calculator random digits	10	1	count	RANDOM.DAT
72. Captopril and blood pressure	15	4	rep(2) numeric(2)	BLOOD.DAT
73. Food prices and house prices	1	38	rep(19) numeric(2) [time series]	PRICES.DAT
74. UNICEF data on child mortality	14	3	rate, percentage(2)	UNICEF.DAT
	16	2	rate, percentage	
	12	2	rate, percentage	
75. Length of stay on a psychiatric observation ward	336	3	binary(2), numeric	WARD.DAT
76. Hodgkin's disease	538	2	categorical, nominal	HODGKINS.DAT
77. A Church Assembly vote	451	2	nominal(2)	CHURCH.DAT
78. A vandalized experiment	36	4	nominal, numeric(3) [latin square]	VANDAL.DAT
79. Chest, waist and hips measurements	20	3	numeric(3)	MEASURE.DAT
80. Morse code mistakes	10	× 10	[confusion matrix]	MORSE.DAT
81. Distribution of minimum temperatures	3	(≤)49	rep(49)minima [time series]	MINTEMP.DAT
82. Rat skeletal muscle	25	4	count(4)	MUSCLE.DAT
83. Ground cover under apple trees	48	4	nominal(2), numeric(2)	APPLE.DAT
84. Lung cancer and occupation	25	2	numeric(2)	CANCER.DAT
85. House insulation: Whitburn	15	2	binary, numeric	WHITBURN.DAT
86. House insulation: Bristol	20	2	binary, numeric	BRISTOL.DAT
87. Engine capacity and fuel consumption	9	2	numeric(2)	ENGINE.DAT
88. House insulation: Whiteside's data	1	113	rep(56) numeric(2), binary	INSULATE.DAT
89. 1981 coffee prices	15	1	numeric	COFFEE.DAT
90. House temperatures: Neath Hill	15	2	numeric(2)	TEMPERAT.DAT

Title	Data structure			Filename
91. Sex differences at school	749	2	categorical, binary	SEX.DAT
92. Destination of school leavers	749	2	categorical, binary	SCHOOL.DAT
93. House insulation: Pennyland	115	2	categorical, numeric	PENNY.DAT
	26	2	numeric, binary	
	27	2	numeric, binary	
	16	2	rep(2) numeric	
	30	2	numeric, binary	
94. Wave energy device mooring	18	2	numeric(2)	WAVE.DAT
95. The effect of light on mustard root growth	31	3	binary(2), numeric	MUSTARD.DAT
96. Height and weight of 11-year-old girls	30	2	numeric(2)	HEIGHT.DAT
97. Consulting the doctor about a child	15	2	numeric, percentage	DOCTOR.DAT
98. House heating: Great Linford	10	3	numeric(3)	HEATING.DAT
99. Births in Basel	1	12	rep(12) count	BASEL.DAT
100. Homing in desert ants	20	2	binary, numeric	ANTS.DAT
101. Homing in pigeons	18	2	binary, numeric	PIGEONS.DAT
102. Breast cancer mortality and temperature	16	2	numeric, rate	BREAST.DAT
103. Deaths from sport parachuting	5	4	rep(3) count, count	SPORT.DAT
104. Cotton imports in the 18th century	1	31	rep(31) numeric [time series]	COTTON.DAT
105. British exports in the 19th century	1	31	numeric [time series]	EXPORTS.DAT
106. Size of ships in 1907	25	3	numeric, count, binary	SHIPSIZE.DAT
107. Car sales in Quebec	1	108	rep(108) count [time series]	QUEBEC.DAT
108. Sales and advertising	1	72	rep(36) numeric(2) [time series]	SALES.DAT
109. Canadian lynx trappings	1	114	rep(114) count [time series]	LYNX.DAT
110. Jet fighters	22	6	numeric(5), binary	JET.DAT
111. Head size in brothers	25	4	numeric(4)	HEADSIZE.DAT
112. Sunspots	1	100	rep(100) count [time series]	SUNSPOTS.DAT

Title			Data structure		Filename
113. Airline passenger numbers	1	144	rep(144) count [time series]		AIRLINE.DAT
114. Yields from a batch chemical process	1	70	rep(70) numeric [time series]		YIELDS.DAT
115. Distances in Sheffield	20	2	numeric(2)		DISTANCE.DAT
116. University of Iowa enrolments	1	29	rep(29) count [time series]		IOWA.DAT
117. Insects in dunes	33	1	count		DUNES.DAT
118. Women's heights in Bangladesh	1243	1	numeric		WOMEN.DAT
119. Size of families in California	1800	1	count		FAMILIES.DAT
120. Hutterite population structure	1236	2	count(2)		HUTTERIT.DAT
121. Whooping cranes	35	2	count(2)		CRANES.DAT
122. Pork and cirrhosis	10	3	numeric(3)		PORK.DAT
123. Pet birds and lung cancer	429	2	binary(2)		PETBIRDS.DAT
124. Water injections and whiplash injuries	40	3	binary(3)		WHIPLASH.DAT
125. Telling cancer patients about their disease	27	14	count(7), proportion(7)		QUESTION.DAT
126. Diet and neural tube defects	367	2	categorical, binary		TUBE.DAT
	176	2	categorical, binary		
127. Age at marriage in Guatemala	90	1	numeric		MARRIAGE.DAT
128. Sand-flies	521	3	binary, numeric(2)		SANDFLY.DAT
129. Tonsil size and carrier status	1398	2	binary, categorical		TONSIL.DAT
130. Duration of pregnancy	1669	2	numeric, categorical		PREGNANT.DAT
131. 20 000 die throws	6	1	count		DIETHROW.DAT
132. Iron in slag	53	2	numeric(2)		IRON.DAT
133. Lowering blood pressure during surgery	54	3	numeric(3)		SURGERY.DAT
134. Crime in the USA: 1960	47	14	numeric(13), binary		USCRIME.DAT
135. Prater's gasoline yields	32	5	numeric(4), percentage		PRATER.DAT
136. Strength of cables	108	2	nominal, numeric		CABLES.DAT
137. Control of leatherjackets	72	3	nominal(2), numeric [randomised blocks]		CONTROL.DAT
138. Spinning synthetic yarn	36	4	nominal(2), categorical, numeric [latin square]		YARN.DAT

Title			Data structure		Filename
139. Forearm lengths	140	1	numeric		FOREARM.DAT
140. Lifetime of electric lamps	300	1	numeric		LAMPS.DAT
141. Computer failures	1	128	rep(128) count [time series]		COMFAIL.DAT
142. Replacement value of books	100	2	numeric(2)		VALUE.DAT
143. Sulphinpyrazone and heart attacks	1475	2	binary(2)		ATTACKS.DAT
144. Tibetan skulls	32	6	binary, numeric(5)		TIBETAN.DAT
145. East Midlands village dialects	25	25	[similarity matrix]		DIALECT.DAT
146. Lung cancer mortality	24	4	numeric, count(2), nominal		MORTAL.DAT
147. Aphids	19	19	[correlation matrix]		APHIDS.DAT
148. Pit props	13	13	[correlaton matrix]		PITPROPS.DAT
149. Silver content of Byzantine coins	27	2	nominal, percentage		SILVER.DAT
150. Shoshoni American Indians	20	1	ratio		SHOSHONI.DAT
151. Component lifetimes	20	1	numeric [survival]		LIFETIME.DAT
152. Duckweed	2	9	rep(9) count		DUCKWEED.DAT
153. Simulated polynomial regression data	21	3	numeric(3)		SIMULATE.DAT
154. Heights of elderly females	351	1	numeric		ELDERLY.DAT
155. Etruscan and Italian skulls	154	2	binary, numeric		ETRUSCAN.DAT
156. A random pattern screen	1000	1	count		PATTERN.DAT
157. Rainfall in Australia	1	47	rep(47) maxima		RAINFALL.DAT
158. Scottish soldiers	5732	1	numeric		SOLDIERS.DAT
159. Borrowing library books	114035	1	count		LIBRARY.DAT
	18854	1	count		
160. Nerve impulse times	1	799	rep(799) numeric [time series]		NERVE.DAT
161. Corneal thickness of eyes	8	2	rep(2) numeric		CORNEAL.DAT
162. Memory retention	1	26	rep(13) numeric(2)		MEMORY.DAT
163. Student's yeast cell counts	1600	2	nominal, count		YEAST.DAT
	20	20	[spatial]		
164. A comparison of growing conditions	24	2	nominal, numeric		GROWING.DAT
165. Anacapa pelican eggs	65	2	numeric(2)		PELICAN.DAT

Title	Data structure			Filename
166. Steel ball bearings	20	2	binary, numeric	STEEL.DAT
167. Murder rates	30	2	rep(2) numeric	MURDER.DAT
168. Kulasekeva model	240	1	count	MODEL.DAT
	122	1	count	
	193	1	count	
169. Epileptic seizures	422	1	count	EPILEPSY.DAT
	351	1	count	
170. Red deer	78	2	numeric(2) [truncated]	REDDEER.DAT
171. The incidence of albinism	209	2	count(2)	ALBINISM.DAT
172. Females in queues	100	1	count	QUEUES.DAT
173. Student absenteeism	113	2	rep(2) count	STUDENT.DAT
174. Leading digits	305	1	categorical	LEADING.DAT
175. Spores of the fungus <i>Sordaria</i>	907	1	proportion	FUNGUS.DAT
176. Litters of pigs	1961	2	count(2)	LITTERS.DAT
177. Shoots of <i>Armeria maritima</i>	100	1	count	SHOOTS.DAT
	100	1	count	
178. American N.F.L. matches	42	2	numeric(2)	NFLMATCH.DAT
179. Survival times in leukaemia	43	1	numeric [survival]	LEUKAEM.DAT
180. Tensile strength	30	1	numeric	TENSILE.DAT
181. Fatigue-life failures	22	1	numeric [survival]	FATIGUE.DAT
182. Linked transmission failures	15	2	numeric(2) [survival]	LINKED.DAT
183. Published research papers in biology	1534	1	count	BIOLOGY.DAT
184. Counting cockroaches	1	8	rep(4) count(2)	ROACHES.DAT
185. Survival times of green sunfish	40	2	binary, numeric [survival]	SUNFISH.DAT
186. The great plague of 1665	1	18	rep(9) count(2)	PLAQUE.DAT
187. Log-series data	1469	1	count	LOG.DAT
	211	1	count	
	102	1	count	
	73	1	count	

Title	Data structure			Filename
188. Eye and hair colour in children	27748	3	nominal(2), binary	EYE.DAT
189. Suicide figures in prisons	1	12	rep(6) count(2)	PRISON.DAT
190. Counting beetles	16	4	categorical(2), nominal, count [latin square]	BEETLES.DAT
191. The number of words in a sentence	600	1	count	WORDS.DAT
192. The size of gangs	895	1	count	GANGS.DAT
193. Skin graft survival times	11	3	rep(2) numeric, binary [survival]	GRAFT.DAT
194. Angles of spiders' webs	10	1	numeric	WEBS.DAT
195. Finger length	3000	1	numeric	FINGER.DAT
196. The Charlier model	7640	1	count	CHARLIER.DAT
	70	1	count	
197. Disease clusters	1	62	rep(62) count [time series]	CLUSTERS.DAT
198. Multiple sclerosis	43	4	binary(2), numeric(2)	MS.DAT
199. The number of pigs in a litter	378	1	count	PIGS.DAT
200. The lengths of scallops	222	1	numeric	SCALLOPS.DAT
201. Smoking habits in children	1	37	rep(4) count(9), binary [transition matrices]	SMOKING.DAT
202. The genesis of the <i>t</i> -test	10	2	numeric(2)	TTEST.DAT
203. Dimensions of cuckoos' eggs	243	1	numeric	CUCKOO.S.DAT
	243	1	numeric	
204. Time intervals between coal mining disasters	1	190	rep(190) count [time series]	COAL.DAT
205. Ticks on sheep	82	1	count	TICKS.DAT
206. Brownlee's stack loss data	1	84	rep(21) numeric(4) [time series]	BROWNLEE.DAT
207. Heine-Euler extensions	100	1	count	HEINE.DAT
	1096	1	count	
	103	1	count	

Title	Data structure			Filename
208. Compound normal distributions	250	1	numeric	COMPOUND.DAT
	145	1	numeric	
209. Accident-repeatedness among children	621	2	count(2)	ACCIDENT.DAT
210. Volume of black cherry trees	31	3	numeric(3)	CHERRY.DAT
211. Digits count in pi and e	10000	1	nominal	COUNTS.DAT
	10000	1	nominal	
212. Drug content of rat livers	19	4	numeric(4)	DRUG.DAT
213. Envelope usage	311	1	count	ENVELOPE.DAT
214. American Psychological Association election data	5738	5	rank(5)	ELECTION.DAT
215. Distribution of seabirds	10	4	count(4)	SEABIRDS.DAT
216. Spermarche	40	31	numeric(3), rep(27) binary, count	SPERM.DAT
217. Capture experiments	36	9	binary, categorical, numeric, rep(6) binary	CAPTURE.DAT
218. Unaided distance vision	7477	2	rep(2) categorical	VISION.DAT
219. Dental records	27	5	binary, rep(4) numeric	DENTAL.DAT
220. Nigerian smallpox data	1	29	rep(29) count [time series]	SMALLPOX.DAT
221. Disease lesions in wheat	143	2	numeric(2) [spatial]	LESIONS.DAT
222. Measuring drug diffusion	100	4	categorical(3), numeric [spatial]	DIFFUSE.DAT
223. Judgement concordance	142	2	categorical(2)	JUDGE.DAT
	992	2	categorical(2)	
	46	2	categorical(2)	
224. Bird colouring	90	3	categorical(3)	COLOUR.DAT
225. Incidence and mortality for lung cancer	507	3	numeric(2), binary	INCIDENT.DAT
	438	3	numeric(2), binary	
226. Bump-hunting	25752	1	numeric	BUMP.DAT

Title	Data structure			Filename
227. 'Bliss' data sets	150	1	count	BLISS.DAT
	400	1	count	
	400	1	count	
	414	1	count	
	240	1	count	
	673	1	count	
	240	1	count	
	109	1	count	
	150	1	count	
	189	1	count	
	164	1	count	
	122	1	count	
	227	1	count	
	95	1	count	
	1070	1	count	
228. Bird survival	50	5	numeric(3), binary(2) [survival]	BIRD.DAT
229. Trailing digits in data	4000	1	nominal	TRAILING.DAT
	50	1	nominal	
	141	1	nominal	
	100	1	nominal	
	125	1	nominal	
230. Silica in meteors	22	1	percentage	SILICA.DAT
231. Husbands and wives	200	5	rep(2) numeric(2), numeric	HUSBANDS.DAT
232. Presurgical stress	19	2	rep(2) numeric	STRESS.DAT
233. Bladder cancer study	82	13	binary, rep(12) count	BLADDER.DAT
234. Interspike waiting times	1	100	rep(100) numeric [time series]	WAITING.DAT
235. Traffic flow	349	1	numeric	TRAFFIC.DAT
236. Waiting times for planned pregnancies	678	2	binary, count	PLANNED.DAT

Title	Data structure			Filename
237. Iowa soil samples	18	3	numeric(3)	SAMPLES.DAT
238. Greenland turbot	68	7	numeric, rep(6) count	TURBOT.DAT
239. Insect data	30	4	nominal, numeric(3)	INSECT.DAT
	6	3	numeric(3)	
240. Skin resistance	16	5	rep(5) numeric	RESIST.DAT
241. Energy maintenance in sheep	64	2	numeric(2)	ENERGY.DAT
242. Lengths of lives of rats	195	2	binary, numeric	RATLIVES.DAT
243. Crying babies	18	3	count(2), binary	CRYING.DAT
244. Plant competition data	147	4	nominal, numeric(3) [spatial]	PLANT.DAT
245. Product sales	1	300	rep(300) count [time series]	PRODUCT.DAT
246. Timber data	50	3	numeric(3)	TIMBER.DAT
247. Parasite data	70	4	binary, numeric, count(2)	PARASITE.DAT
248. Azimuth data	18	1	numeric	AZIMUTH.DAT
249. Perpendicular distance models	164	1	numeric	PERPEND.DAT
	68	1	numeric	
	74	1	numeric	
250. Japanese black pines	204	2	numeric(2)	PINES.DAT
251. Treatments for locally unresectable gastric cancer	90	3	binary(2), numeric [survival]	GASTRIC.DAT
252. Strength of beams	10	3	numeric(3)	BEAMS.DAT
253. Salinity values	30	2	nominal, numeric	SALINITY.DAT
254. Epileptic seizures and chemotherapy	59	7	binary, rep(4) count, count(2)	CHEMO.DAT
255. Period between earthquakes	1	62	rep(62) count [time series]	QUAKES.DAT
256. Alveolar-bronchiolar adenomas	23	2	proportion, count	ALVEOLAR.DAT
257. Woodlice	37	1	count [spatial]	WOODLICE.DAT
258. Drilling times	24	1	count [spatial]	DRILLING.DAT
	6	161	binary, rep(80) numeric(2) [time series]	
259. Failure data	1	27	rep(9) (rep(2) numeric, count)	FAILURE.DAT

Title	Data structure			Filename
260. Spatial presence-absence data	24	×	24	SPATIAL.DAT
261. Neuralgia data	18	5	binary(3), numeric(2)	NEURAL.DAT
262. Temperatures in America	56	3	minimum, numeric(2)	USTEMP.DAT
263. Weldon's dice data – (currently) the last word	26306	1	count	WELDON.DAT
	7006	1	count	
	4096	1	count	
	4096	1	count	
264. Putting computers to the test	16	13	numeric(13)	TEST.DAT
265. Assessing the effects of toxicity	40	2	categorical, numeric	TOXICITY.DAT
266. Testing homogeneity	11	2	binary, count	HOMOGEN.DAT
267. Random digits	6	10	counts(10)	DIGITS.DAT
268. Ice cream consumption	1	120	rep(30) numeric(4) [time series]	ICECREAM.DAT
	12	4	numeric(3), count	HOSPITAL.DAT
269. Hospital data	85	3	numeric(3)	AQUIFER.DAT
270. Aquifer data	25	2	numeric(2)	WINDMILL.DAT
271. Windmill data	19	2	numeric(2)	
	134	2	numeric(2)	EXAM.DAT
272. Examination times and scores	12	2	numeric(2)	GAMMA.DAT
273. Gamma irradiation	20	4	rep(4) numeric	RAMUS.DAT
274. Ramus heights	21	3	nominal(2), numeric	SOIL.DAT
275. A soil experiment	24	3	binary, count(3)	RABBIT.DAT
276. Rabbit foetuses	371	3	binary, numeric(2)	BLOODFAT.DAT
277. Blood fat concentration	63	1	numeric	SNOWFALL.DAT
278. Snowfall data	2608	1	count	COUNTING.DAT
279. Counting alpha-particles	299	1	numeric	GEYSER.DAT
280. Eruptions of the Old Faithful geyser	94	3	nominal, numeric(2)	STARCH.DAT
281. Starch films	16	7	nominal(2), numeric, rep(4)	SHEEP.DAT
282. Sheep diet			numeric [latin square]	

Title	Data structure			Filename
283. Horse-kicks	196	1	count	KICKS.DAT
	122	1	count	
	196	20	rep(20) count	
284. Pneumonia risk in smokers with chickenpox	7	2	rep(2) numeric	SMOKERS.DAT
285. Anorexia data	63	3	nominal, rep(2) numeric	ANOREXIA.DAT
286. Breast development of Turkish girls	318	2	categorical(2)	TURKISH.DAT
287. Treatment of enuresis	29	3	binary, rep(2) count	ENURESIS.DAT
288. Births in the USA	53	3	nominal, rep(2) percentage	BIRTHS.DAT
289. Flying bomb hits on London during World War II	576	1	count	BOMB.DAT
290. Brain and body weights of animals	28	2	numeric(2)	BRAIN.DAT
291. Severe Ideopathic Respiratory Distress Syndrome	50	2	binary, numeric	DISTRESS.DAT
292. Lowest temperatures for US cities	22	4	rep(4) numeric	LOWEST.DAT
293. Plasma citrate concentrations	10	5	rep(5) numeric	PLASMA.DAT
294. Voting in congress	15	× 15	[dissimilarity matrix]	CONGRESS.DAT
295. Cortisol levels in psychotics	71	2	nominal, numeric	CORTISOL.DAT
296. An historic data set: crime and drinking	1426	2	binary, nominal	HISTÓRIC.DAT
297. Depression in adolescents	465	4	numeric, binary(3)	DEPRESS.DAT
298. English and Greek teachers	32	2	rep(2) numeric	TEACHERS.DAT
299. Fun runners	33	2	nominal, numeric	FUN.DAT
300. Olympic jumping events	1	84	rep(21) numeric(4) [time series]	JUMPING.DAT
301. Blood lactic acid	20	2	numeric(2)	LACTIC.DAT
302. Skin cancers	15	4	binary, numeric, count(2)	SKIN.DAT
303. Mental status of school-age children	1600	2	categorical(2)	MENTAL.DAT
304. Diabetic mice	57	2	nominal, numeric	DIABETIC.DAT
305. Absorption of ions by potato	5	3	numeric(3)	POTATO.DAT

Title	Data structure			Filename
306. Survival of cancer patients	25	3	binary(2), numeric	SURVIVAL.DAT
307. Major earthquakes since 1900: fatalities and intensities	1	40	rep(20) (numeric, count) [time series]	EARTH.DAT
308. Presidents, popes and monarchs	66	2	nominal, numeric [survival]	MONARCH.DAT
309. Cervical cancer	366	2	binary(2)	CERVICAL.DAT
310. Sickle cell disease	41	2	nominal, numeric	SICKLE.DAT
311. Men's olympic sprint times	1	10 0	rep(20) maxima(5)	SPRINT.DAT
312. Women's olympic swimming	1	28	rep(7) maxima(14)	SWIMMING.DAT
313. A thrombosis study	24	2	binary, numeric	THROMBOS.DAT
314. Deaths in USA in 1966	1	12	rep(12) count [time series]	DEATH.DAT
315. Comparison of experimental method	315	2	binary(2)	COMPARE.DAT
316. Bat-to-prey detection distances	11	3	numeric(2), binary	BAT.DAT
317. Sexual performance of castrated mice	3	7	count(7)	CASTRATE.DAT
	3	6	count(6)	
318. The cloud point of a liquid	19	2	percentage, numeric	LIQUID.DAT
319. Romano-British pottery	26	6	nominal, percentage(5)	POTTERY.DAT
320. A split plot field trial	72	4	nominal(2), numeric(2) [split plot]	SPLIT.DAT
321. Olympic triple jump distances	21	1	maximum	TRIPLE.DAT
322. Species of flea beetle	74	3	nominal, numeric(2)	FLEA.DAT
323. Survival times of cancer patients	64	2	nominal, numeric [survival]	PATIENT.DAT
324. Birthweights of Poland China pigs	56	2	nominal, numeric	POLAND.DAT
325. Performance of various computer CPUs	209	8	numeric(6), count(2)	COMPUTER.DAT
326. Monthly deaths from lung diseases in the UK	1	72	count	MONTHLY.DAT
327. Convictions for drunkenness	947	2	numeric, binary	DRUNK.DAT
328. Ear infections in swimmers	287	5	binary(3), ordinal, count	EAR.DAT
329. A perception experiment	24	3	numeric(2), binary	PERCEPT.DAT
330. Boiling points in the Alps	17	2	numeric(2)	ALPS.DAT

Title	Data structure			Filename
331. Remission times of leukaemia patients	42	3	numeric, binary(2)	REMISS.DAT
332. Foster feeding rats of different genotype	61	3	nominal(2), numeric	FOSTER.DAT
333. Record times for Scottish hill races	35	3	numeric(3)	HILLRACE.DAT
334. Hardness of timber	36	2	numeric(2)	HARDNESS.DAT
335. Dimensions of jellyfish	46	3	binary, numeric(2)	JELLY.DAT
336. Malaria parasites	50000	1	count	MALARIA.DAT
337. The New York Choral Society	107	2	nominal, numeric	CHORAL.DAT
338. Testing crash helmets	1	266	rep(133) numeric(2)	HELMETS.DAT
339. The speed of light	100	3	numeric, nominal(2) [randomized block]	LIGHT.DAT
340. Murder-suicides through aircraft crashes	17	2	numeric, count	AIRCRAFT.DAT
341. Average monthly temperatures for Nottingham, 1920–1939	1	240	rep(240) numeric [time series]	NOTTS.DAT
342. Insurance premiums	23	4	binary(2), numeric(2)	PREMIUM.DAT
343. Testing authorship	19220	2	binary, count	AUTHOR.DAT
344. The rise of the planet Venus	14	3	numeric(3)	VENUS.DAT
345. Pulse rates of Peruvian Indians	39	1	numeric	PULSE.DAT
346. Vocabulary of children	10	2	numeric(2)	VOCAB.DAT
347. Educating cats	13	2	count, numeric	CATS.DAT
348. Shocking rats	16	2	count, numeric	SHOCKING.DAT
349. Smoking habits	20	3	categorical, nominal, proportion	HABITS.DAT
350. Mothers of schizophrenics	40	2	binary, count	MOTHERS.DAT
351. Unemployment and suicide rates	11	2	percentage, rate	UNEMPLOY.DAT
352. Main US budget items for 1978 and 1979	8	2	rep(2) numeric	BUDGET.DAT
353. Damage to ships	81	5	nominal, categorical, binary, numeric, count	SHIPS.DAT
354. Methadone treatment of heroin addicts	266	5	binary(3), numeric(2)	HEROIN.DAT
355. Smoking and motherhood	6851	4	binary(4)	SMOKEMUM.DAT

Title	Data structure			Filename
356. Crime rates in the USA	50	7	rate(7)	CRIME.DAT
357. Olympic decathlon, 1988	34	11	maxima(11)	OLYMPIC.DAT
358. Measurements of dog mandibles	7	6	numeric(6)	MANDIBLE.DAT
359. Children with Down's syndrome	7	3	numeric, count(2)	CHILDREN.DAT
360. Protein consumption in European countries	25	9	numeric(9)	PROTEIN.DAT
361. Male Egyptian skulls	150	5	numeric(5)	SKULLS.DAT
362. Olympic women's heptathlon 1988	25	8	numeric(8)	HEPTATH.DAT
363. Percentages employed in different industries in Europe	26	9	percentage(9)	EUROPE.DAT
364. Ages at death of English rulers	42	1	numeric	RULERS.DAT
365. Deaths in coal mining disasters	166	1	count	MINING.DAT
366. A study in obesity	583	2	categorical, binary	OBESITY.DAT
367. The star cluster CYG OB1	47	2	numeric(2)	STAR.DAT
368. Frequency of breast self-examination	1216	2	numeric, categorical	SELFEXAM.DAT
369. Annual wages of production line workers in the USA	30	1	numeric	WORKERS.DAT
370. One way to kill a cat	41	2	numeric(2)	KILL.DAT
371. Viral lesions on tobacco leaves	8	2	rep(2) count	TOBACCO.DAT
372. Finger ridges of identical twins	12	2	rep(2) count	TWINS.DAT
373. Statures of brother and sister	11	2	rep(2) numeric	STATURES.DAT
374. Candidates in the 1992 British Election	11	10	count(10)	BRITISH.DAT
375. Papers presented at the first ten ICPRs	10	10	rep(10) count	PAPERS.DAT
376. Body mass index data	20	3	numeric(3)	BODYMASS.DAT
377. Citation rates	26	1	count	CITATION.DAT
378. A World Heavyweight Boxing Championship match	1	36	binary, rep(5) count(7)	BOXING.DAT
379. Assessment of conference papers	30	8	rank(8)	CONF.DAT
380. Clinical trial for sprains	46	4	rep(4) categorical	SPRAINS.DAT

Title	Data structure			Filename
381. Jeans sales in the UK	1	72	rep(72) numeric [time series]	JEANS.DAT
382. The thirteen most common psychiatric disorders in the UK	22	13	numeric(13)	DISORDER.DAT
383. Randomized experiment on tomato yield	11	3	binary, numeric, categorical	TOMYIELD.DAT
384. Screening for psychiatric disorder	40	26	binary(26)	SCREEN.DAT
385. Salaries in different occupations	144	2	binary, numeric	SALARIES.DAT
386. Whisky prices	42	2	binary, numeric	WHISKY.DAT
387. 1992 London Marathon	100	2	binary, numeric	MARATHON.DAT
388. Predicting cervical cancer	30	2	categorical(2)	PREDICT.DAT
389. Treatments for head and neck cancer	96	3	binary, numeric	HEADNECK.DAT
390. Tau particle decay	13	2	numeric(2)	TAU.DAT
391. Factors influencing depression	419	3	binary(3)	FACTORS.DAT
	419	3	binary(3)	
392. Vocabulary scores of university students	54	1	numeric	UNIV.DAT
393. Two groups drug comparison	5	5	binary, rep(4) numeric	GROUPS.DAT
394. Blood glucose levels	6	60	rep(60) numeric	GLUCOSE.DAT
395. Rat body weights with diet supplements	16	12	nominal, rep(11) numeric	RATBODY.DAT
396. Diet supplements	15	7	nominal, rep(6) numeric	DIET.DAT
397. Visual acuity and lens strength	7	8	rep(4) numeric(2)	VISUAL.DAT
398. Plasma ascorbic acid levels in hospital patients	12	7	rep(7) numeric	ASCORBIC.DAT
399. Salsolinol excretion rates	14	5	binary, rep(4) numeric	EXCRETE.DAT
400. Response profiles to three drugs	46	3	binary(3)	RESPONSE.DAT
401. Patterns of psychotropic drug consumption	5773	5	binary(3), numeric(2)	PSYCHO.DAT
402. Wool data	27	4	binary(3), numeric	WOOL.DAT
403. Survival times of animals	48	3	nominal(2), numeric	ANIMALS.DAT
404. Effectiveness of slimming clinics	34	3	binary(2), numeric	SLIMMING.DAT
405. Prevalence of vertebral fractures	1005	2	binary, numeric	FRACTURE.DAT

Title	Data structure			Filename
406. Agreement between two examination markers	29	2	categorical(2)	MARKERS.DAT
407. Subjective estimates of lengths of pieces of string	15	4	numeric(4)	STRING.DAT
408. Comparison of two kitchen scales	19	2	numeric(2)	SCALES.DAT
409. Performance in mathematical degrees by sex in England and Scotland	7115	3	binary(2), categorical	DEGREES.DAT
410. Chemical process	24	3	numeric(2), percentage	CHEMICAL.DAT
411. Carcinoma of the uterine cervix	118	7	categorical(7)	UTERINE.DAT
412. Rainfall in Minneapolis/St Paul	1	30	numeric [time series]	MINN.DAT
413. Book condition by strength of paper	840	2	categorical(2)	BOOK.DAT
414. Oxford and Cambridge boat race crews	18	2	binary, numeric	BOATRACE.DAT
415. Comparisons between 48 major cities in 1991	48	3	numeric(3)	CITIES.DAT
416. Height and resting pulse measurements for a sample of hospital patients	50	2	numeric(2)	RESTING.DAT
417. Coalminers' breathing difficulties	17232	3	binary(2), numeric	COALMINE.DAT
418. Toxicity of potassium cyanate on trout eggs	48	4	numeric, binary, count(2)	TROUT.DAT
419. Asthma death, corticosteroid use, and fenoterol use	585	3	binary(3)	ASTHMA.DAT
420. Seed germination	1255	3	binary(3)	SEED.DAT
421. Depression and friendship amongst children	49	3	binary(3)	FRIENDS.DAT
	49	3	binary(3)	
422. Social class of fathers and sons	49	3	binary(3)	
423. Survival data for patients with chronic active hepatitis	845	2	categorical(2)	SOCIAL.DAT
424. Survival times of leukaemia patients	44	2	numeric, binary [survival]	CHRONIC.DAT
	33	3	binary, numeric(2) [survival]	LEUKWBC.DAT

Title	Data structure			Filename	
425. Dissimilarity ratings of World War II politicians	12	×	12	[dissimilarity matrix]	POLITICS.DAT
426. Rate of formation of a chemical impurity	6		3	numeric(3)	IMPURITY.DAT
427. Road distances between major UK towns	23	×	23	[distance matrix]	ROAD.DAT
428. Penicillin manufacture	20		4	categorical, nominal(2), numeric [randomised blocks]	PENICILL.DAT
429. Early detection of autism	2		13	percentage(13)	AUTISM.DAT
430. Adolescent attempted suicide rates	20		4	numeric, binary, counts(2)	ADOLESCCE.DAT
431. Lung cancer cases and person-years experience by age and period of diagnosis	140		5	numeric(2), binary(2), count	DIAGNOSE.DAT
432. Yields of wheat	13		4	numeric(4)	HARVEST.DAT
433. Estimating numbers of unobserved species	14		10	count(10)	SPECIES.DAT
434. Distance and direction travelled by blue periwinkles	31		2	numeric(2)	PERIWINK.DAT
435. Birth season and psychosis	12		3	counts(2), percentage	SEASON.DAT
436. Psychotropic drug use by sex, age, and physical illness	1307		4	binary(3), categorical	PHYSICAL.DAT
437. Mouse lymphoma mutation	24		3	binary, numeric(2)	MOUSE.DAT
438. Stopping distance	63		2	numeric(2)	STOPPING.DAT
439. Decontaminants for <i>M. bovis</i>	129		3	nominal, numeric(2)	MBOVIS.DAT
440. Breast cancer and ambulatory status over time	37		7	rep(7) categorical	AMBULAT.DAT
441. Numbers of icebergs sighted	1		24	rep(12) count(2)	ICEBERG.DAT
442. Ratings of synchronized swimming	40		5	numeric(5)	SYNCHRO.DAT

Title	Data structure			Filename	
443. Numbers of revertant colonies of TA98 Salmonella	3		12	rep(6) (numeric, count)	COLONIES.DAT
444. Landsat multi-spectral scanner data	3		12	numeric(12)	LANDSAT.DAT
445. Effectiveness of insecticides	12	×	12	[correlation matrix]	EFFECT.DAT
446. Strengths of glass fibres	20		5	nominal, numeric(2), count(2)	GLASS.DAT
447. Psychoactive drug use	63		1	numeric(1)	DRUGUSE.DAT
448. Estimated abdominal disease diagnosis	13	×	13	[correlation matrix]	ABDOMEN.DAT
449. Statistics examination results	50		4	nominal, probability(3)	STATS.DAT
450. Eight variables measured on female psychiatric patients	10		14	percentage(14)	FEMALE.DAT
451. Suicide thoughts	118		8	numeric(3), categorical(2), binary(3)	THOUGHTS.DAT
452. Similarities between eight offences	295		2	categorical(2)	OFFENCES.DAT
453. Language abilities	8	×	8	[similarity matrix]	LANGUAGE.DAT
454. Heat evolved by setting cement	12	×	12	[proximity matrix]	SETTING.DAT
455. Quality control in bread baking	13		5	percentage(4), numeric	BREAD.DAT
456. Death rates from heart disease among doctors	29		10	categorical(6), numeric(4)	DISEASE.DAT
457. Renal transplant data	20		4	binary(2), count, numeric	RENAL.DAT
458. Strengths of welds in high density polyethylene	148		3	numeric, binary, count	WELDS.DAT
459. Subjective health assessment in 5 regions	34		5	numeric(5)	
460. AIDS incidence data for the USA	5855		2	nominal, categorical	ASSESS.DAT
461. Stock recruitment of Skeena River sockeye salmon	1		26	rep(26) count [time series]	AIDS.DAT
462. Tumour response to chemotherapy	1		28	rep(28) count(2) [time series]	SALMON.DAT
463. Cervical cancer deaths in four European countries	299		3	binary(2), categorical	TUMOUR.DAT
	4		3	numeric, count(2)	COUNTRY.DAT

Title	Data structure			Filename
464. Performance of a credit scoring instrument	22	5	numeric, percentage(4)	CREDIT.DAT
465. Weights of mice	13	7	rep(7) numeric	MICE.DAT
466. Poisson random variate generation	60	4	binary, nominal, numeric(2)	POISSON.DAT
467. Survival times of gastric cancer patients	90	3	binary(2), numeric [survival]	TIME.DAT
468. Time for assays to register HIV positivity	47	6	binary(2), rep(4) counts	HIV.DAT
469. Mean daily SIDS deaths by temperature	10	4	numeric(3), count	MEAN.DAT
470. Number of SIDS deaths per day	242	2	count, numeric	SIDS.DAT
471. Predicting benefit from group psychotherapy	64	3	binary, rep(2) categorical	BENEFIT.DAT
472. African statisticians in 1977	48	3	count(3)	AFRICAN.DAT
473. Railway accidents on British Rail, 1970–83	1	84	rep(14) (count(5), numeric) [time series]	RAILWAY.DAT
474. Australian higher education students, 1981 to 1988	8	24	rep(8) (numeric, binary, count)	EDUCATE.DAT
475. Contents of books on multivariate analysis	20	7	count(7)	CONTENTS.DAT
476. Age of menarche in Polish girls	25	3	numeric, count, proportion	POLISH.DAT
477. Level of Lake Victoria Nyanza and numbers of sunspots	1	40	rep(20) (numeric, count) [time series]	LAKE.DAT
478. Surgical deaths	40	5	numeric, binary(2), count(2)	SURGICAL.DAT
479. Mean monthly temperature at various altitudes	14	24	rep(12) numeric(2)	ALTITUDE.DAT
480. Aircraft air-conditioning systems failures	12	(≤) 30	rep(30) numeric	SYSTEMS.DAT
481. Female age distribution in Mexico in 1960	75	2	numeric, count	MEXICO.DAT

Title	Data structure			Filename
482. Volume of hens' eggs	12	3	numeric(3)	EGGS.DAT
483. Smoking and health	36	4	numeric, nominal, count(2)	HEALTH.DAT
484. Herniorrhaphy	32	9	numeric2), binary(2), categorical(5)	HERNIOR.DAT
485. Birthweight by gestational age	23	4	numeric(3), count	AGE.DAT
486. Underdispersed word count data	100	1	count	UNDER.DAT
487. Red core disease in strawberries	100	1	count	
488. Failure times for a piece of electronic equipment	144	5	categorical(2), nominal(2), count [randomized blocks]	REDCORE.DAT
489. Survival time of patients with lymphocytic non-Hodgkin's lymphoma	107	1	numeric [survival]	EQUIP.DAT
490. Prestige, income, education, and suicide rates for 36 occupations	38	3	binary(2), numeric [survival]	LYMPHOMA.DAT
491. Natural scientists and engineers in the US	36	4	categorical, rate, numeric(2)	PRESTIGE.DAT
492. Correlation between nine statements about pain	1	16	rep(8) count(2)	ENGINEER.DAT
493. Manufacture of truck leaf springs	9	×	9 [correlation matrix]	PAIN.DAT
494. Housing satisfaction around Montevideo, Minnesota	16	7	binary(5), numeric(2)	TRUCK.DAT
495. Car changing patterns	35	4	binary, count(3)	HOUSING.DAT
496. <i>In vitro</i> chromosome aberration assays	16	×	16 [transition matrix]	CAR.DAT
497. Visits to dentist	9	4	binary, numeric, count(2)	INVITRO.DAT
498. Myocardial infarction and obesity, smoking and vasectomy	10218	1	count	VISITS.DAT
499. Specific heat of water at various temperatures	36	4	binary(4)	MYOCARD.DAT
	6	12	rep(6) numeric(2)	HEAT.DAT

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500. Numbers of packets of cereal purchased over 13 weeks	2000	1	count	CEREAL.DAT
501. Accelerated life tests on electrical insulation	40	3	numeric(2), binary [survival]	ELECTRIC.DAT
502. Cardiac oxygen consumption and mechanical function	11	6	binary, numeric(5)	OXYGEN.DAT
503. Coffee consumption and coronary heart disease	1718	2	binary(2)	CONSUME.DAT
	151	3	binary(3)	
504. Strength of sheet metal	32	6	binary(5), numeric	METAL.DAT
505. Mortality from testicular cancer in England and Wales	13	22	rep(11) (numeric, rate)	TESTICLE.DAT
506. Fathers' and sons' occupations	14	14	counts(14)	FATHERS.DAT
507. Numbers of purchases of toilet tissue	1816	2	nominal, count	TISSUE.DAT
508. Haematology of paint sprayers	103	6	numeric(6)	PAINT.DAT
509. Measurement of protein content in ground wheat	24	7	percentage, number(6)	GROUND.DAT
510. Winning times in men's running events	17	5	maxima(4), numeric	WINNING.DAT

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