APPENDIX B

Data Sets

Complete data sets available at www.pearsonglobaleditions.com/triola

This appendix lists only the first five rows of each data set. The complete data sets are available for download at www.pearsonglobaleditions.com/triola for a variety of technologies, including Excel, SPSS, JMP, Minitab, and TI-83/84 Plus calculators. These data sets are included with Statdisk, which is free to users of this textbook; Statdisk can be downloaded at www.statdisk.org.

Data Set 1: Body Data

Data Set 2: Body Temperatures

Data Set 3: Births

Data Set 4: Audiometry

Data Set 5: Vision

Data Set 6: Family Heights

Data Set 7: Foot and Height

Data Set 8: IQ and Lead

Data Set 9: IQ and Brain Size

Data Set 10: Freshman 15

Data Set 11: Bear Measurements

Data Set 12: Manatee Deaths

Data Set 13: Alcohol and Tobacco in Movies

Data Set 14: Passive and Active Smoke

Data Set 15: Cigarette Contents

Data Set 16: Iris Measurements

Data Set 17: Cuckoo Egg Lengths

Data Set 18: Poplar Tree Weights

Data Set 1: Body Data

Body and exam measurements are from 300 subjects (first five rows shown here). **AGE** is in years, for **GENDER** 0 = female and 1 = male, **PULSE** is pulse rate (beats per minute), **SYSTOLIC** is systolic blood pressure (mm Hg), **DIASTOLIC** is diastolic blood pressure (mm Hg), **HDL** is HDL cholesterol (mg/dL), **LDL** is LDL cholesterol (mg/dL), **WHITE** is white blood cell count (1000 cells/μL), (1000 cells/μL), **RED** is red blood cell count (million cells/μL),

PLATE is platelet count (1000 cells/μL), **WEIGHT** is weight (kg), **HEIGHT** is height (cm), **WAIST** is circumference (cm), **ARM CIRC** is arm circumference (cm), and **BMI** is body mass index (kg/m^2). Data are from the National Center for Health Statistics.

TI-83/84 list names (BODY): AGE, GENDR, PULSE, SYS, DIAS, HDL, LDL, WHITE, REDBC, PLATE, WT, HT, WAIST, ARMC, BMI

AGE	GENDER (1 = M)	PULSE	SYSTOLIC	DIASTOLIC	HDL	LDL	WHITE	RED	PLATE	WEIGHT	HEIGHT	WAIST	ARM CIRC	BMI
43	0	80	100	70	73	68	8.7	4.80	319	98.6	172.0	120.4	40.7	33.3
57	1	84	112	70	35	116	4.9	4.73	187	96.9	186.0	107.8	37.0	28.0
38	0	94	134	94	36	223	6.9	4.47	297	108.2	154.4	120.3	44.3	45.4
80	1	74	126	64	37	83	7.5	4.32	170	73.1	160.5	97.2	30.3	28.4
34	1	50	114	68	50	104	6.1	4.95	140	83.1	179.0	95.1	34.0	25.9

Data Set 2: Body Temperatures

Body temperatures (°F) are from 107 subjects taken on two consecutive days at 8 AM and 12 AM (first five rows shown here). **SEX** is gender of subject, and **SMOKE** indicates if subject smokes (Y) or does not smoke (N). Data provided by Dr. Steven Wasserman, Dr. Philip Mackowiak, and Dr. Myron Levine of the University of Maryland.

TI-83/84 list names (BODYTEMP): D1T8, D1T12, D2T8, D2T12 (no list for SEX and SMOKE). **Missing data values are represented by 9999.**

SEX	SMOKE	DAY 1—8 AM	DAY 1—12 AM	DAY 2—8 AM	DAY 2—12 AM
M	Y	98.0	98.0	98.0	98.6
M	Y	97.0	97.6	97.4	—
M	Y	98.6	98.8	97.8	98.6
M	N	97.4	98.0	97.0	98.0
M	N	98.2	98.8	97.0	98.0

Data Set 3: Births

Data are from 400 births (first five rows shown here). For **GENDER** 0 = female and 1 = male. **LENGTH OF STAY** is in days, **BIRTH WEIGHT** is in grams, and **TOTAL CHARGES** are in dollars.

TI-83/84 list names (BIRTHS): FLOS, MLOS, FBWT, MBWT, FCHRG, MCHRG [Separate lists provided for female (F) and male (M) babies. No list for FACILITY, INSURANCE, ADMITTED, and DISCHARGED]

FACILITY	INSURANCE	GENDER (1 = M)	LENGTH OF STAY	ADMITTED	DISCHARGED	BIRTH WEIGHT	TOTAL CHARGES
Albany Medical Center Hospital	Insurance Company	0	2	FRI	SUN	3500	13986
Albany Medical Center Hospital	Blue Cross	1	2	FRI	SUN	3900	3633
Albany Medical Center Hospital	Blue Cross	0	36	WED	THU	800	359091
Albany Medical Center Hospital	Insurance Company	1	5	MON	SAT	2800	8537
Albany Medical Center Hospital	Insurance Company	1	2	FRI	SUN	3700	3633

(Complete data sets available at www.pearsonglobaleditions.com/triola)