## Datasets for Computational Statistics, 2<sup>nd</sup> Edition (2012) by Geof H. Givens and Jennifer A. Hoeting

The table beginning on the next page lists the available datasets.

Two files are provided for each dataset. The file "name.txt" provides a brief description of the data. The file "name.dat" contains the dataset. To find a dataset according to its example or problem number, use the "Chapter" and "Usage" columns.

Topic	Chapter	Name	Usage
San Francisco weather	1	sanfrancisco	Example 1.3
Human face recognition	2, 12	facerecognition	Example 2.5, Problem 12.4
Leukemia remissions	2	leukemia	Problem 2.3
Oil spills	2	oilspills	Problem 2.5
Flour beetles	2	flourbeetles	Problem 2.6
Baseball salaries	3, 8	baseball	Examples 3.3, 3.5, 3.6, 3.7, 8.3 Problems 3.1, 3.2, 3.3, 3.4
Genetic mapping (small)	3	geneticmapping	Example 3.4, Problems 3.5, 3.6
Genetic mapping (large)	3	geneticmapping2	Problem 3.7
Wine chemistry	3	wine	Problem 3.8
Censored data	4	censoreddata	Example 4.7
HIV risk	4	hivrisk	Problem 4.2
Trivariate normal	4	trivariatenormal	Problem 4.3
Gear coupling failures	4	gearcouplings	Problem 4.4
Coin flips for Baum- Welch	4	coin	Problem 4.5
Alzheimer's disease	5	alzheimers	Examples 5.1, 5.2, 5.3, 5.4, 5.5
Colorado terrain navig.	6	colorado	Example 6.7, 6.8
Coal mining disasters	6, 7	coal	Problems 6.4, 7.6
Mixture distribution	7	mixture	Examples 7.2, 7.3, 7.8 Problem 7.2
Fur seal pups	7	fursealpups	Examples 7.6, 7.7, 7.10, Problem 7.9
Breast cancer	7	breastcancer	Problem 7.5
Pigment moisture	7	pigment	Problem 7.8
Whale Population Dynamics	8	whalecatch whalesurvey	Example 8.1
Utah serviceberry	8	serviceberry	Examples 8.6, 8.7, 8.9
Linear 'image'	8	image1d	Problem 8.4
X 'image'	8	ximage	Problem 8.5
Copper-nickel alloy	9	alloy	Examples 9.3, 9.4, 9.5, 9.6, 9.7, 9.8

Industrialized GDP	9	gdp	Examples 9.9, 9.10
Tree rings	9	tree	Example 9.11
Salmon population	9	salmon	Problem 9.4
Cancer survival	9	cancersurvival	Problem 9.5
Earthquakes	9	earthquake	Problem 9.6
Bimodal density	10	bimodal	Examples 10.1, 10.5
Whale migration	10	whalemigration	Examples 10.2, 10.3, 10.4, 10.6
Bivariate rotation	10	2drotation	Example 10.8
Infrared emissions	10	infrared	Problems 10.1, 10.2
Manifold data	10	manifold	Problem 10.5
Easy smoothing	11	easysmooth	Figure 11.1, Examples 11.1, 11.2, 11.3, 11.4, 11.5, 11.7
Difficult smoothing	11	toughsmooth	Example 11.8
Confidence band	11	confidenceband	Example 11.9, Example 11.10
General bivariate curve	11, 12	bivariatecurve	Figure 11.18, Example 12.7, Problem 12.8
Martian atmosphere	11	mars	Problem 11.4
Martian atmosphere - all	11	marsbig	Problem 11.4
Air blast pressure	11	airblast	Problems 11.6, 11.7
Norwegian paper plant	12	norwaypaper	Examples 12.1, 12.3
Drug abuse	12	drugabuse	Example 12.2
Stream monitoring	12	stream	Examples 12.4, 12.5, 12.6, Problem 12.5
Body fat	12	bodyfat	Problems 12.2, 12.3