

Homework 1

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1.18 The following scores represent the final examination grades for an elementary statistics course:

23	60	79	32	57	74	52	70	82
36	80	77	81	95	41	65	92	85
55	76	52	10	64	75	78	25	80
98	81	67	41	71	83	54	64	72
88	62	74	43	60	78	89	76	84
48	84	90	15	79	34	67	17	82
69	74	63	80	85	61			

- (a) Construct a stem-and-leaf plot for the examination grades in which the stems are 1, 2, 3, ..., 9.
- (b) Construct a relative frequency histogram, draw an estimate of the graph of the distribution, and discuss the skewness of the distribution.
- (c) Compute the sample mean, sample median, and sample standard deviation.
- (d) Compute the First, Second, and Third Quartiles.
- (e) Draw Box Plot.