

# PROB STAT HONORS

 Name \_\_\_\_\_

## 1.3 – HISTOGRAMS

For each of the following data sets, construct a frequency histogram.

1. The number of faculty listed for a variety of private colleges that offer only bachelor's degrees is listed below.

165	221	218	206	138	135	224	204
70	210	207	154	155	82	120	116
176	162	225	214	93	389	77	135
221	161	128	310				

2. The scores of health care quality as calculated by a professional risk management company are listed for selected states.

118.2	114.6	113.1	111.9	110.0	108.8	108.3	107.7	107.0
105.3	103.7	103.2	102.8	101.6	99.8	98.1	96.6	95.7
92.5	91.0	90.0	87.1	83.1	106.7	93.6		

3. The amount of protein (in grams) for a variety of fast-food sandwiches is reported here.

23	30	20	27	44	26	35	20	29	29
25	15	18	27	19	22	12	26	34	15
27	35	26	43	35	14	24	12	23	31
40	35	38	57	22	42	24	21	27	33

4. Certain kinds of tumors tend to recur. The following data represent the lengths of time, in months, for a tumor to recur after chemotherapy.

19	18	17	1	21	22	54	46	25	49
50	1	59	39	43	39	5	9	38	18
14	45	54	59	46	50	29	12	19	36
38	40	43	41	10	50	41	25	19	39
27	20								

5. The following data represent baseball batting averages for a random sample of National League players near the end of the baseball season.

0.194	0.258	0.190	0.291	0.158	0.295	0.261	0.250	0.181
0.125	0.107	0.260	0.309	0.309	0.276	0.287	0.317	0.252
0.215	0.250	0.246	0.260	0.265	0.182	0.113	0.200	