

Problem Set 1

Exercise	Modification or comments
2.20	Make a dotplot (and do nothing else)
2.54a	
3.12	Remove the Acura from the data set first
3.46	Remove Florida from the data set first; see Remark 2 below
3.48	Remove the value 10 from the data set first; see Remark 2 below
3.54	Full use of the calculator is allowed
3.82ab	Change (a) to 41 to 50 months Change (b) to 35 to 41 months
3.84a	Ignore the intervals given and instead compute the proportion that cost i. at least \$105 ii. at least \$125
3.90c	Find the percentile rank of 11, not 10
3.92c	Find the percentile rank of 52, not 50

Additional remarks:

1. A notation like “3.82ab” means to work only parts (a) and (b) of the problem.
2. On problems 3.46 and 3.48 use a calculator only to find  $\Sigma x$  and  $\Sigma x^2$  and for arithmetic; do not use a statistics package in any other way.