

Regression analysis solutions



**ASSIGN
BUSTER**

Solutions Manual to accompany Applied Linear Statistical Models Fifth Edition
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2005 McGraw-Hill/Irwin Chicago, IL Boston, MA PREFACE This Solutions
Manual gives intermediate and ? nal numerical results for all end-of-chapter
Problems, Exercises, and Projects with computational elements contained in
Applied Linear Statistical M odels, 5th edition. This Solutions Manual also
contains proofs for all Exercises that require derivations.

No solutions are provided for the Case Studies. In presenting calculational
results we frequently show, for ease in checking, more digits than are signi?
cant for the original data. Students and other users may obtain slightly di?
erent answers than those presented here, because of di? erent rounding
procedures. When a problem requires a percentile (e. g.

of the t or F distributions) not included in the Appendix B Tables, users may
either interpolate in the table or employ an available computer program for ?
nding the needed value. Again, slightly di? erent values may be obtained than
the ones shown here. We have included many more Problems, Exercises, and
Projects at the ends of chapters than can be used in a term, in order to
provide choice and ? exibility to instructors in assigning problem material.
For all major topics, three or more problem settings are presented, and the
instructor can select di? erent ones from term to term.

Another option is to supply students with a computer printout for one of the
problem settings for study and class discussion and to select one or more of
the other problem settings for individual computation and solution. By

drawing on the basic numerical results in this Manual, the instructor also can easily design additional questions to supplement those given in the text for a given problem setting. The data sets for all Problems, Exercises, Projects and Case Studies are contained in the compact disk provided with the text to facilitate data entry. It is expected that the student will use a computer or have access to computer output for all but the simplest data sets, where use of a basic calculator would be adequate.

For most students, hands-on experience in obtaining the computations by computer will be an important part of the educational experience in the course. While we have checked the solutions very carefully, it is possible that some errors are still present. We would be most grateful to have any errors called to our attention. Errata can be reported via the website for the book: <http://www.mhhe.com/KutnerALSM5e>.

We acknowledge with thanks the assistance of Lexin Li and Yingwen Dong in the checking of Chapters 1-14 of this manual.