APPLIED REGRESSION ANALYSIS
BIBLIOGRAPHY UPDATE 2000-2001

By

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SUMMARY

The 25-page Bibliography in Applied Regression Analysis, 2nd edition, by N.R. Draper and H. Smith, published by John Wiley and Sons in 1981, was previously extended by these publications:


Items were chosen on the basis of their perceived relevance to practical applications (sometimes rather widely interpreted). The references were selected mostly from the issues of these journals: *Annals of Statistics; Biometrika; Bulletin of the International Statistical Institute; Canadian Journal of Statistics; Communications in Statistics - Simulation and Computation; Communications in Statistics - Theory and Methods; Journal of the American Statistical Association; Journal of Quality Technology; Journal of the Royal Statistical Society, Series A, B, C and D; and Technometrics.*
References

0 Basic Prerequisite Knowledge


1 Fitting a Straight Line by Least Squares


2 Checking the Straight Line Fit


3 Fitting Straight Lines: Special Topics


4 Regression in Matrix Terms: Straight Line Case

5 The General Regression Situation


6 Extra Sums of Squares and Tests for Several Parameters Being Zero


7 Serial Correlation in the Residuals and the Durbin-Watson Test


8 More on Checking Fitted Models


### 9 Multiple Regression Special Topics


10 Bias in Regression Estimates, and Expected Values of Mean Squares and Sums of Squares


11 On Worthwhile Regression, Big $F$’s, and $R^2$


12 Models Containing Functions of the Predictors, including Polynomial Models


13 Transformation of the Response Variable


14 “Dummy” Variables


15 Selecting the “Best” Regression Equation


16 Ill-Conditioning in Regression Data


17 Ridge Regression


18 Generalized Linear Models (GLIM)


19 Mixture Ingredients as Predictor Variables


20 The Geometry of Least Squares

21 More Geometry of Least Squares

22 Orthogonal Polynomials and Summary Data

23 Multiple Regression Applied to Analysis of Variance Problems


16


24 An Introduction to Nonlinear Estimation


25 Robust Regression


26 Resampling Procedures (Bootstrapping)


27 Other Topics


28 Books


