

1. Record Nr.	UNINA990000076700403321
Autore	Lock, Charles George Warnford
Titolo	Mining and ore-dressing machinery : a comprehensive treatise dealing with the modern practice of winning bothmetalliferous and non-metalliferous minerals : including all the operations incidental thereto, and preparing the product for the market / C.G. Warnford Lock
Pubbl/distr/stampa	London : E. & F.N. Spon, 1890
Descrizione fisica	XII, 466, XX p. : ill. ; 31 cm
Disciplina	622
Locazione	FINBC
Collocazione	13 AR 23 E 38
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9911020222703321
Autore	Searle S. R (Shayle R.), <1928->
Titolo	Linear models // S. R. Searle
Pubbl/distr/stampa	New York, : Wiley, c1997
ISBN	9786613905345 9781283592895 1283592894 9781118491782 1118491785 9781118491768 1118491769 9781118491775 1118491777
Descrizione fisica	1 online resource (560 p.)
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Soggetti	Linear models (Statistics) Statistics
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di contenuto	Linear Models; Contents; 1. Generalized Inverse Matrices; 1. Introduction; a. Definition and existence; b. An algorithm; 2. Solving linear equations; a. Consistent equations; b. Obtaining solutions; c. Properties of solutions; 3. The Penrose inverse; 4. Other definitions; 5. Symmetric matrices; a. Properties of a generalized inverse; b. Two methods of derivation; 6. Arbitrariness in a generalized inverse; 7. Other results; 8. Exercises; 2. Distributions and Quadratic Forms; 1. Introduction; 2. Symmetric matrices; 3. Positive definiteness; 4. Distributions; a. Multivariate density functions b. Momentsc. Linear transformations; d. Moment generating functions; e. Univariate normal; f. Multivariate normal; (i) Density function; (ii) Aitken's integral; (iii) Moment generating function; (iv) Marginal distributions; (v) Conditional distributions; (vi) Independence; g. Central

2, F and t; h. Non-central 2; i. Non-central F; j . Other non-central distributions; 5. Distribution of quadratic forms; a. Cumulants; b. Distributions; c. Independence; 6. Bilinear forms; 7. The singular normal distribution; 8. Exercises; 3. Regression, or the Full Rank Model; 1. Introduction; a. The model
b. Observationsc. Estimation; d. Example; e. The general case of k x-variables; f. Example (continued); g. Intercept and no-intercept models; h. Example (continued); 2. Deviations from means; 3. Four methods of estimation; a. Ordinary least squares; b. Generalized least squares; c. Maximum likelihood; d. The best linear unbiased estimator (b.l.u.e.); 4. Consequences of estimation; a. Unbiasedness; b. Variances; c. Estimating E(y); d. Residual error sum of squares; e. Estimating the residual error variance; f. Partitioning the total sum of squares; g. Multiple correlation
h. Example (continued)5. Distributional properties; a. y is normal; b. b is normal; c. b and 2 are independent; d. SSE/2 has a 2-distribution; e. Non-central 2's; f. F-distributions; g. Analyses of variance; h. Pure error; i. Tests of hypotheses; j . Example (continued); k. Confidence intervals; l. Example (continued); 6. The general linear hypothesis; a. Testing linear hypotheses; b. Estimation under the null hypothesis; c. Four common hypotheses; (i) $H: b = 0$; (ii) $H: b = b_0$; (iii) $H: b = m$; (iv) $H: b_0 = 0$; d. Reduced models; (i) $K'b = m$; (ii) $K'b = 0$; (iii) $b_0 = 0$; 7. Related topics
a. The likelihood ratio testb. Type I and II errors; c. The power of a test; d. Examining residuals; 8. Summary of regression calculations; 9. Exercises; 4. Introducing Linear Models: Regression on Dummy Variables; 1. Regression on allocated codes; a. Allocated codes; b. Difficulties and criticism; c. Grouped variables; d. Unbalanced data; 2. Regression on dummy (0, 1) variables; a. Factors and levels; b. The regression; 3. Describing linear models; a. A 1-way classification; b. A 2-way classification; c. A 3-way classification; d. Main effects and interactions; (i) Main effects
(ii) Interactions

Sommario/riassunto

This 1971 classic on linear models is once again available--as a Wiley Classics Library Edition. It features material that can be understood by any statistician who understands matrix algebra and basic statistical methods.