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Autore	McCulloch Charles E.
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Nota di contenuto	CONTENTS; PREFACE; 1 INTRODUCTION; 1.1 MODELS; a. Linear models (LM) and linear mixed models (LMM); b. Generalized models (GLMs and GLMMs); 1.2 FACTORS, LEVELS, CELLS, EFFECTS AND DATA; 1.3 FIXED EFFECTS MODELS; a. Example 1: Placebo and a drug; b. Example 2: Comprehension of humor; c. Example 3: Four dose levels of a drug; 1.4 RANDOM EFFECTS MODELS; a. Example 4: Clinics; b. Notation; i. Properties of random effects in LMMs; ii. The notation of mathematical statistics; iii. Variance of y; iv. Variance and conditional expected values; c. Example 5: Ball bearings and calipers 1.5 LINEAR MIXED MODELS (LMMs)a. Example 6: Medications and clinics; b. Example 7: Drying methods and fabrics; c. Example 8: Potomac River Fever; d. Regression models; e. Longitudinal data; f. Model equations; 1.6 FIXED OR RANDOM?; a. Example 9: Clinic effects; b. Making a decision; 1.7 INFERENCE; a. Estimation; i. Maximum likelihood (ML); ii. Restricted maximum likelihood (REML); iii. Solutions

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iii. Means, variances, and covariances

Sommario/riassunto

Wiley Series in Probability and Statistics
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