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Collana	Statistics in practice
Altri autori (Persone)	WymerLarry J
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Statistical Framework for Recreational Water Quality Criteria and Monitoring; Contents; Contributors; Preface; 1 The evolution of water quality criteria in the United States, 1922-2003; 2 A management context for the statistical design of recreational contact water quality monitoring programs; 3 Conceptual bases for relating illness risk to indicator concentrations; 4 On selecting the statistical rationale for revised EPA recreational water quality criteria for bacteria; 5 Sampling recreational waters 6 The lognormal distribution and use of the geometric mean and the arithmetic mean in recreational water quality measurement7 The EMPACT beaches: a case study in recreational water sampling; 8 Microbial risk assessment modeling; 9 A plausible model to explain concentration - response relationships in randomized controlled trials assessing infectious disease risks from exposure to recreational waters; 10 Nowcasting recreational water quality; 11 Statistical sensitivity analysis and water quality; Index
Sommario/riassunto	With increasing rates of pollution to both land and aquatic environments, regulations for the quality of our waters are necessarily becoming more stringent. In the light of recent epidemiological studies new criteria are being established for the safety of our recreational

waters. In order for such criteria to be developed an established statistical framework needs to be in place. Statistical Framework for Recreational Water Quality Criteria and Monitoring offers a practical guide to the statistical methods used for assessing health effects and monitoring and modelling water quality Both tra

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