

ON SOME STATISTICAL PROBLEMS IN MARINE BENTHIC ECOLOGY

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ABSTRACT

Statistical procedures in field and experimental ecology frequently cause problems to many researchers in the process of design of sampling programs, performance of field experiments, test of hypotheses, and their subsequent interpretation. It is my aim to discuss problems of observation and the logic components of research programs. I suggest ways of describing spatial and temporal patterns, emphasising some problems in statistical sampling methods and highlighting the importance of power analyses.