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Sustainable Aquaculture for a Secure future

Title: Multivariate Methods in Aquaculture Research: Case Studies of Tilapias in Experimental and Commercial Systems

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Abstract: The "per cent mortalities· commonly used by aquaculturists do not allow separation of the different components of fish mortality between stocking and harvesting in aquaculture experiments. It is shown that "instantaneous" or exponential mortalities, as used in fish population dynamics, have the properties required for such separation. especially when used in conjunction with a multiple regression model. Examples drawn from tilapia experiments conducted in seawater tanks in Kuwait and brackish water ponds in the Philippines are presented.

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