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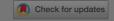
Original Articles

Analyzing the variations in cost-efficiency of marine cage lobster aquaculture in Vietnam: A two-stage bootstrap DEA approach

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ABSTRACT

This study measures cost-efficiency and its determinants for 353 marine cage lobster farms in Vietnam using a two-stage bootstrap data envelopment analysis (DEA). In the first stage, the bootstrap DEA approach was used to obtain bias-corrected technical, allocative cost-efficiencies for the farms. Then, the bias-corrected cost-efficiency scores were reg[...]
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of other

🔍 KEYWORDS: Bootstrap DEA   cost-efficiency   marine cage lobster aquaculture   truncated regression

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Notes

Fish bycatch or trash fish used to feed lobster in Vietnam is low-valued fish such as snails, green mussel, clams, small swimming crabs, lizard fish, red big-eye, and so on.

Maintenance costs include the cost of repairs, maintenance to equipment and cages.

The information of interest has not been collected in this study because the lobster farmers considered it as a sensitive problem and were not ready to share. Therefore, this 5% for fixed costs does not include interest.

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