

# The FLStock class



Maritime Affairs Unit G04 - IPSC  
European Commission  
Joint Research Center

## The FLStock class

An FLStock is mean to represent the population dynamics of a given stock. The quantitative data that need to be measured and populatate the FIStock are the following All quantities in a stock are stored in FLQuant objects. This allows for storage of by e.g. age or length, in years, units, seasons and areas.

- catch: # FLQuant holding the total catch (landings plus discards) in weight for all quants

\*catch.n: # FLQuant holding the catch in numbers by quant

\*catch.wt: # FLQuant holding the weight at quant in the catch, usually obtained from those for landings and discards

\*discards: # FLQuant holding the total discards in weight for all quants

## The FLStock class

\*stock: # FLQuant holding the stock weight for all quants.

Usually obtained from an assessment method

\*stock.n: # FLQuant holding the stock numbers by quant, output from a quant-structured assessment method

\*stock.wt: # FLQuant holding the weights at quant in the stock

\*m: # FLQuant holding the natural mortality by quant

\*mat: # FLQuant holding the maturity by quant, usually as a proportion

\*harvest: # FLQuant holding the harvest mode rate by quant

\*harvest.spwn: # FLQuant holding the fraction of the harvest mode occurring before spawning

\*m.spwn: # FLQuant holding the fraction of the natural mortality

## Methods

- Calculations

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- Summary

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- Subset

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- Plot



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- Accessors
- Conversions

# All at once

