iSAM

Observation Description:

Proportions\_tag\_at\_length

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# Process Overview

What is the point of this process? What does it offer that the other processes don't?

This observation type is based on the observation type proportions\_at\_length but is specific to the process tag\_by\_length. The only extra parameter compared with proportions\_at\_length is detection\_probability

# Example Configuration File Syntax

Please put in a list of all parameters you expect to be able to use in the configuration file, including the type of parameter, is it a list or single value, is it optional or have a default value etc. The more information here the better.

Even adding a description is helpful as this is automatically picked up by the documentation generator and put in to the manual.

The only new parameter compared with proportions\_at\_length is as follows.

Detection\_probability Defines the proportion of tags detected in the recapture process  
Type: Estimable  
Default: 1.0  
Value: Must be between 0 (exclusive) and 1 (inclusive).

# Step-by-step

A detailed list of steps the process goes **through in the following order (steps 1-3)** to achieve its purpose.

The process is as per the proportions\_at\_length. The expected number of tags detected is calculated by multiplying this number by the number of tagged fish in the sample.