

LITERATURE CITED

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COMPUTER PROGRAMME I (IBM 360/75 WAITFOR) FOR AGE
AND GROWTH STUDIES OF FISHA. N. SHERI¹ AND G. POWER²

This programme is completed in two steps. Programme A codes the data and Programme B prints the tables.

PROGRAMME A

The purpose of programme A is to pack information necessary for constructing tables in programme B. Required data on 4 fish is packed onto one card.

A. Input

1. Source deck.
2. Code card which has 60 distinct one column characters from 029 key punch.
3. Fish data cards.

B. Output

1. Programme codes only following information in first 42 columns: Years, gear, gear size, length, weight, age and serial number.
2. Converts inches into millimeters and pounds into grams.
3. Assigns a symbol to each length class and weight class.
4. Gear sizes are coded.

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5. Errors detected; lengths, weights and gear sizes outside ranges and invalid conversion factors are coded as blank and identifying information is printed out.
6. Cards are punched and coded data on each fish occupies 20 card columns. At beginning of a new year, a new card is started and remainder of previous card is left blank.

PROGRAMME B

Programme B is to set up contingency tables.

A. Input

1. Source deck
2. Code cards
3. Fish data packed and punched by programme A.

B. Output

Prints out following information for each year and for all years combined.

1. Length frequency distribution for each age group.
2. Weight frequency distribution for each age group.
3. Age distribution for each gear size.
4. Length frequency distribution for each gear size.
5. Total number of fish in each year and number of fish for which length, weight and gear size is not recorded.

1. A source deck, programme listing and complete documentation may be obtained from the authors.

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