COMPUTER PROGRAMME II (IBM 360/75 WATFOR) FOR AGE AND GROWTH STUDIES OF FISH

A. N. SHERI[1] and G. POWER[2]

The purpose is to print contingency tables and mean lengths and weights of each age group.

INPUT

1. Source deck
2. Six title cards
3. Six cards with 10 frequencies on each card from 0—600
4. Fish data read from punched cards

OUTPUT

The programme prints tables as follows, for each year and all years of collection.

1. Splits fish in each of 4 sex classifications (immature, male, female, sex unknown) according to age and gives number of fish, their mean length and percentage in each category.

2. Splits fish in each of 4 sex classifications according to length classes (10 mm intervals) and gives number of fish in each length class and percentage in each category.

3. Prints mean fork length of males, females and sexes combined (including unknown sex) for each age group, number of fish involved, their ranges in length, standard deviation and standard error of means.

4. Gives similar tables for weight as in 3.

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

1. Department of Zoology, University of Agriculture Lyallpur (Pakistan).
2. Department of Biology, University of Waterloo, Waterloo, Ontario Canada.