

RAYCOMP UTILITIES

1. Getting Started :

Insert the disc and either :

- a) Press SHIFT, press BREAK, release BREAK, release SHIFT (this will not work with ADFS and DRIVE 1).
- b) Type *EXEC !BOOT (RETURN).

2. Select the program/utility from the Menu/Sub-menu as required.

File Conversion

1. Convert Field Structure Utility

Database/Spreadsheet files may initially be created without the required field sizes or numbers.

This utility allows a new database file to be created using fields selected from an existing file or blank/empty fields by following the on screen prompts.

Warning: If the new fields are smaller than those selected as the source field then only the data which will fit into the new field will be used.

The file \$.TEST is provided as a source file for you to familiarise yourself with the features of the utility.

2. Text to Database File Utility

This utility allows text files to be converted into Database files. The text file may be from a wordprocessor or from the Database/Spreadsheet using the SPOOL/Text File save option. Such text files may only contain a selection of fields from a subset of records from the original file creating a smaller specific database file.

The text is read in and a carriage RETURN character is recognised as a field terminator. When using wordprocessors to create the text file you must ensure each entry is terminated by RETURN (or ENTER).

The text fields are read in and you are prompted to select the first field for the record. Successive fields will then be read in automatically to complete and save the record. This protocol is repeated until the program is terminated or the end of the text file is reached.

The text file C.TST-TXT is provided for you to familiarise yourself with the features of the utility.

Statistics

1. Option to enter a *COMMAND

You can check files on the disc with *CAT or change the directory with *DIR to move to a data disc or directory.

NOTE: STATS expects the file t-T-DATA to be in the STATS directory of the current drive. Copy it to your data disc if necessary. It is probably simpler to use the full pathname of the data file as the filename.

2. Filename

Either a Spreadsheet/Database file in the current directory or give full path. The Field and Record structure of the file is shown.

The file **STATSDATA** is provided as a Spreadsheet/Database file with numerical data for you to familiarise yourself with the facilities of the utility.

3. Mean

Data may be selected from a field in the file. The data may be previewed and a subset selected if required for determination of the mean (n), standard error of the mean, standard deviation and variance.

4. Compare Means

A mean may be compared with a subsequent mean. This comparison uses a paired t-Test and probabilities are given. The file t-T-DATA must be present in the STATS directory on the active disc for this comparison.

5. Further Comparisons

You may make further comparisons with one or other of the means already used.

Graphics

1. Data Input

a) Keyboard :

Follow the on screen prompts.

b) Database File :

i. For Line Graphs the data for the X and Y coordinates must be in 2 separate fields, arranged in ascending order for the X coordinate.

ii. All or part of a data field can be used for data input. Indicate the block of records to be used at the prompts.

Where appropriate the option to average the data is provided.

The file \$.GU.TEST-DATA is provided as a file with numerical entries for you to try out the facilities of the utilities.

2. Labelling

a) The graph can be provided with a heading by labelling the display or by inputting a heading separately at the prompt.

b) The graphs can be provided with a key, which is printed below the graph.

c) If no headings are required, input RETURN at the prompts.

3. Printing (Will not work with Beebem)

a) Within each utility or in the separate utility after saving the graph. The latter allows additional labelling and for the screen to be saved again.

b) The screen dumps assume an Epson-FX compatible printer.

NOTE: For single drive systems it is recommended that source files are transferred to your working disc containing the utilities. This avoids the need to swap discs. Full Filename entries (eg. \$.DIRECTORY.FILENAME) are limited to 30 characters.