

AD-A204 565

☐ DELETE☒ NEW☐ REPLACE☐ CORRECTION

NTIS COMPUTER PRODUCTS CATALOG DATA SHEET		1. ACCESSION NO.	2. CONTRIBUTING AGENCY REPORT NO. DOD/SW/DK-89/006	3. SUBJECT
4. PRODUCT (Circle one)				
DATA FILE		PUBLICATION		
DATA BASE REFERENCE SERVICE		SOFTWARE		MODEL, SIMULATION
5. AGENCY, BUREAU, DIVISION, AND ADDRESS Department of Army The Hydrologic Engineering Center, Corps of Engineers 609 Second Street Davis, California 95616				
6. PRODUCT NAME (Use agency nomenclature) MLRP, Multiple Linear Regression Program (for Microcomputers)				
7. DESCRIPTORS OF PRODUCT (Keywords, identifiers, etc.) *Software, Statistical Hydrology Linear Regression Statistical Methods Computer Program Diskette				
8. DATES OF COVERAGE (For one-time reports, use as-of-date; for software, use date and release no.) Version Jul 86			9. FILE SIZE IN NO. OF: REELS 1 PUNCHED CARDS	
10. AVAILABILITY STATEMENT - AGENCY NAME AND ADDRESS, ORDER NO., ETC. (If NTIS sells, leave blank)				
11. PRICE INFORMATION Price Code: D01 \$50.00 Price includes documentation				
12. GEOGRAPHIC SCOPE No restrictions				
13. TECHNICAL REPRESENTATIVES (List at least one for subject and one for media)				
NAME		TITLE		PHONE NO.
Harold Kubik		Research Hydraulic Engineer		(916) 551-1748
Jerry Willey		Hydraulic Engineer		(916) 551-1748
14. DOCUMENTATION ☒ AVAILABLE as:			EXPECTED AVAILABILITY DATE NA	

NTIS COMPUTER PRODUCTS CATALOG DATA SHEET

15. COMPUTER PRODUCT ABSTRACT

The Multiple Linear Regression program follows the procedures of "Statistical Methods in Hydrology" (Beard, 1962). Major features of the program are automatic deletion of independent variables (according to importance), combination of variables to form new variables, transformation of variables, tabulation of the residuals from the prediction equation and acceptance of input coefficients... Software Description: The software is written in the Fortran programming language for implementation on IBM-PC and compatible machines using MS/PC DOS 2.1+ operating system. Special features/requirements: Math coprocessor (8087/80287/80387). Memory requirement is 512 K. (16 1—

16. DATA FILE TECHNICAL DESCRIPTION

The software is contained on 5¼-inch diskette(s), double density (360K), compatible with the IBM/PC microcomputer. The diskettes are in the ASCII format.

17. SOFTWARE TECHNICAL DESCRIPTION

Software is written in;

Fortran ☒ COBOL ☐ Basic ☐ Assembly ☐ Other (Specify) _____

Software requires;

CPR Mfr. IBM PC Model(s) _____ Operating system(s) MS/PC DOS 2.1+

Minimum of 512 K bytes core. The following special features and/or additional requirements in hardware:
One 5 1/4 inch floppy disk drive.

Math coprocessor (8087/80287/80387)

SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO., AND DATE

SIGNATURE OF NTIS REPRESENTATIVE AND DATE FORM PREPARED

COMPUTER DISKETTE FILE PROPERTIES

01. Completion Date <table border="1"> <tr> <td>Year</td> <td>Month</td> <td>Day</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		Year	Month	Day				02. Long Title Multiple Linear Regression Program (MLRP) (for microcomputers)		03. Short Title MLRP
Year	Month	Day								
04. Copying Date <table border="1"> <tr> <td>Year</td> <td>Month</td> <td>Day</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		Year	Month	Day				05. Subscription ☐ Yes ☒ No	06. ☒ New File ☐ Replacement	07. Number of Diskettes 1
Year	Month	Day								
08. Submitting Organization and Address Department of Army Hydrologic Engineering Center Corps of Engineers 609 Second St. Davis, CA 95616			09. Technical Contact (s) and Phone Harold Kubik (916) 551-1748							
10. Host Computer/Model IBM PC		11. Memory Requirement 512 K	12. Language/Format Fortran							
13. Diskette Size 3 1/2 5 1/4 Other ☐ ☒ ☐	14. Diskette Capacity ☒ 360K ☐ 720K ☐ 800K ☐ 1.2M ☐ 1.44M ☐ Other		15. Operating System/Version MS DOS 2.1+							
16. Number of Files	17. Number of Records	18. Record Length								
19. Documentation ☐ on Diskette (File # _____) ☒ Paper Copy										
20. Supplemental Information Math coprocessor (8087/80287/80387) is required.										
21. For Submitting Organization Use										

COMPUTER MAGNETIC TAPE FILE PROPERTIES

01. Completion Date Year: Month: Day:			02. Form Prepared By (Name and Phone) Vernon R. Bonner			03. Reel ID Number (Property Control No.)		
04. Recording Date Year: Month: Day:			05. File Identifier or Descriptive Title MLRP, Multiple Linear Regression Program			06. Short Title (External Label Name) MLRP		
07. Source Unavailable Year: Month: Day:			08. Documentation Yes ☒ No ☐ Available (Enter Citation)			09. File Position on Reel _____ of _____		
10. To Be Returned Yes ☒ No ☐ To Other Than The Sender			11. Submitting Organization & Address Department of Army The Hydrologic Engineering Center Corps of Engineers 609 Second Street Davis, California 95616			12. Receiving Organization & Address United States Department of Commerce National Technical Information Service 5285 Port Royal Road Springfield, Virginia 22161		
13. Due Back Date Year: Month: Day:								
14. Technical Contact(s) & Phone Number(s) Harold Kubik, Jerry Willey (916) 551-1748								

RECORDING SYSTEM CHARACTERISTICS

EQUIPMENT MANUFACTURER AND MODEL	15. Processing Unit IBM PC or compatibles		17. No. of Tracks 7 9 Other			18. Parity Odd Even		19. Density (BPI)
	16. Tape Subsystem							
RECORDING SOFTWARE	20. Operating System, Release & Version MS DOS 2.1 or greater		22. Internal File Identifier					
	21. Utility Program or Data Base Language							
23. Characters Set (Graphics) ☒ ASCII ☐ BCD ☐ Other (Specify) ☐ EBCDIC ☐ FIELDATA ☐ Non-Print Codes			24. Recorded Label (Internal Label) ☐ Header ☐ ANSI X 3.27 Standard ☐ Other ☐ Trailer ☐ FIPS Standard ☒ None					

FILE CHARACTERISTICS

NUMBER OF RECORDS	25. Physical		27. Record Type ☒ Fixed Length ☐ Other Than Fixed		28. Records/Block (Blocking Factor) 1	29. TYPE OF FILE ORGANIZATION (Check One Box) ☐ One File ☐ One Reel ☐ Multiple Reels ☒ Multiple Files ☐ One Diskette ☐ Multiple Files Diskettes
	26. Logical					
RECORD LENGTH	30. Physical 80 ☒ Bytes ☐ Chars. ☐ Words (Bits/Word)					
	31. Logical ☐ Bytes ☐ Chars. ☐ Words (Bits/Word)					

SUPPLEMENTAL INFORMATION

32. Use/Handling Constraints (Specify if Yes)	
Yes	No
	☒
33. For Submitting Organization Use MLRP is provided on one 5 1/4 inch double-sided 360 KB floppy diskette.	