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**Inter-university Consortium for
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**Cost Effectiveness of
Misdemeanant Probation in
Hamilton County, Ohio,
1981-1982**

Richard Hartigan

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COST EFFECTIVENESS OF MISDEMEANANT PROBATION IN HAMILTON
COUNTY, OHIO, 1981-1982
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(ICPSR 8259)

Principal Investigator

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NGJRS
MAR 10 1989
ACQUISITIONS

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First ICPSR Edition, 1985

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Hartigan, Richard;

COST EFFECTIVENESS OF MISDEMEANANT PROBATION IN HAMILTON COUNTY, OHIO,
1981-1982 (ICPSR 8259)

This research was designed to determine whether or not the supervision of misdemeanor probationers was cost-effective for increasing the level of successful probation completions in Hamilton County, Ohio. The primary objective was to examine the relationships among these factors: supervision costs, the collection of court costs, fines, and restitution, types of supervision, risk assessment and probationer conduct for the population of probationers. Probationers were initially classified according to risk assessment and then randomly assigned to a supervision category. Probationer's risk potential was a numerical score derived from demographic background variables, prior record, and history of substance use. The DSCP (Degree of Successful Completion of Probation) was developed specifically to measure probationer conduct and to compare trends and relationships.

Data were collected on 2756 misdemeanor probation experiences between January 1, 1981 and December 31, 1982. The variables examined in the study include: risk assessment at intake, supervision level assigned, number of times the probationer was assigned to probation, start and planned termination dates, date of last status change, status at termination, degree of successful completion of probation achieved, costs incurred in administering probation, and amounts collected from each probationer for court costs, restitution and fines.

The data are contained in three files. Although data were collected on 7072 misdemeanor probation experiences, there are only 2756 probationers included in the study. The remaining 4316 cases were excluded due to failure of the probationer to show up for screening or for other reasons that did not meet the research criteria. For these 2756 probationers, there are 6618 records of actual misdemeanor experiences in the data file. Each record represents one experience, so it is possible for an individual probationer to have multiple records. There are 16 variables per case. All three files have logical record lengths of 80 characters. Class IV

-----INPUT(FROM)-----

TAPE VOLUME I.D. = OTHERS
 OWNER I.D. = NONE
 TRACK = 9
 DENSITY = 6250 BPI
 LABEL = SL
 PARITY = ODD

 FILE = 19
 DSNAME = DOC8259.REV
 LRECL = 80
 BLKSIZE = 7200
 RECORD FORMAT = FB

RECORD LENGTH *.....1.....*.....2.....*.....3.....*.....4.....*.....5.....*.....6.....*.....7.....*.....8.....*.....9.....*.....0

```

1      80      =                GENERAL INFORMATION
2      80      =                =====
3      80      =
4      80      =This tape consists of four files.
5      80      =
6      80      =1. This documentation file
7      80      =2. Data used in the project
8      80      =3. COBOL source code used for collection and reporting of data
9      80      =4. Supporting documentation
10     80      =
11     80      =The tape is unlabelled and tape marks are used to separate
12     80      =the files from each other.
13     80      =
14     80      =The tape is recorded at 1600 bpi and consists of 80 byte
15     80      =records blocked at 100, giving a blocksize of 8000 bytes.
16     80      =
17     80      =This documentation file explains each of the other three files.
18     80      =The explanations are laid out in the same order as the files
19     80      =on the tape. Each file has an explanation and where necessary,
20     80      =the explanations also include file formats, etc.
21     80      =
22     80      =
23     80      =
24     80      =                DATA FILE
25     80      =                =====
26     80      =
27     80      =This file contains a list of all data used in the determination
28     80      =of the cost effectiveness of supervision of misdemeanant
29     80      =probationers. The file contains 6,618 records. Each record
30     80      =represents the data for one probation experience. Note that
31     80      =a single probationer may have multiple records in this file.
32     80      =
33     80      =Records in the data file are laid out as follows:
34     80      =
35     80      =ITEM NAME                PICTURE      SIZE  START COL.  END COL.
36     80      =-----                -
37     80      =FILE-NUMBER                99999        5     1           5
38     80      =TIME-ON-PROB                99           2     6           7
39     80      =RISK                        XX           2     8           9
40     80      =SUPERVISION                XX           2    10          11
  
```

41 80 = XDISPDAT 65-72 MOSENT \$73-78 /DAYSENT \$1-6 YRSENT \$7-12 XSENTDAT 13-20
 42 80 = MOPROB \$21-26 DAYPROB \$27-32 YRPROB \$33-38 PRPRBTMM 39-46 MOJLCRD \$47-52
 43 80 = DAYJLCRD \$53-58 YRJLCRD \$59-64 DETENDYS 65-72 MOSTAT \$73-78 /
 44 80 = DAYSTAT \$1-6 YRSTAT \$7-12 TLSTATMM 13-20 TLMNSNTM 21-28 TLMXSNTM 29-36
 45 80 = MOTLMIN \$37-42 DAYTLMIN \$43-48 YRTLMIN \$49-54 PETE 55-62 MOTLMAX \$63-68
 46 80 = DAYTLMAX \$69-74 YRTLMAX \$75-80 / PRMXSNTM 1-8 MOPRMAX \$9-14
 47 80 = DAYPRMAX \$15-20 YRPRMAX \$21-26 XFINDATE 27-34 OFFARRTM 35-42 WARARRTM 43-50
 48 80 = ARRMAGTM 51-58 ARRDSPM 59-66 SPEEDIND 67-74 / SPEEDARR 1-8 ARR1STTM 9-16
 49 80 = DETENTM 17-24 CRIMCODE 25-32 CLASS 33-40 CRIMCAT1 41-48 STATMAX1 49-56
 50 80 = MURDMANS 57-64 ASSAULT 65-72 ASLTITK 73-80 / RAPE 1-8 MORALS 9-16
 51 80 = BURNING 17-24 CLROB 25-32 ARMEDROB 33-40 KIDNAP 41-48 BURGLARY 49-56
 52 80 = BE 57-64 BEL 65-72 LARCENY 73-80 /POSSRECV 1-8 FRAUD 9-16 FORGUTT 17-24
 53 80 = SALEDRUG 25-32 POSSDRUG 33-40 ESCAPE 41-48 OTHER 49-56 CRIMCAT2 57-64
 54 80 = STATMAX2 65-72 TER 73-80 /JUNE479 1-8 JCM 9-16 PARELG 17-24 COUNT 25-32
 55 80 = STATTEMP 33-40 ONETHIRD 41-48 SWITCH 49-56 ONEFIFTH 57-64 HANDCALC 65-72
 56 80 = FMCONV 73-80 /MOS18 1-8 DISM 9-16 UNDER21 17-24 AGE2630 25-32 OVER30 33-40
 57 80 = BLACK 41-48 FEMALE 49-56 LOCALRES 57-64 UNEMP 65-72 PROBPAR 73-80 /
 58 80 = INPRISON 1-8 PASTPRSN 9-16 ARRROW 17-24 COPWIT 25-32 EYEWIT 33-40
 59 80 = CONFESS 41-48 PHYSEVID 49-56 FIREARM 57-64 OTHWEAP 65-72 PROPHARM 73-80 /
 60 80 = PHYSHARM 1-8 PROPVAL 9-16 VICRELAQ 17-24 VICEMPLR 25-32 VUNDER18 33-40
 61 80 = VOVER60 41-48 VICFEMAL 49-56 VBLACK 57-64 BLWHITE 65-72 BLBLACK 73-80 /
 62 80 = NOATTY 1-8 PDATTY 9-16 APPTATTY 17-24 UNKATTY 25-32 PVTATTY 33-40
 63 80 = PDAPATTY 41-48 BUNCOMBE 49-56 CRAVEN 57-64 HARNETT 65-72 MECK 73-80 /
 64 80 = NEWHAN 1-8 ROCKING 9-16 RUTHER 17-24 OTHCNTY 25-32 SMALLCD 33-40
 65 80 = ACTIVE 41-48 TRIAL 49-56 AGE2125 57-64 NOWEAP 65-72 TLMAXLOG 73-80/
 66 80 = FSADUMMY 1-8 CYOSENT 9-16 COMPCNVT 17-24 CONSEC 25-32 STARTIND 33-40
 67 80 = EXTENT 41-48 COFF20 49-56;
 68 80 =PROC FREQ;
 69 80 = TABLES CNTYCNVT EYEWITNS TYPESENT TLCTCOST ARRDSPM COUNT RUTHER EXTENT;
 RECORDS PROCESSED = 69
 FILE LENGTH (FEET)= 1 FEET

41	80	=COSTS	99999V99	7	12	18
42	80	=COSTS-PAID	99999V99	7	19	25
43	80	=FINES-PAID	99999V99	7	26	32
44	80	=REST-PAID	99999V99	7	33	39
45	80	=POINTS	9999	4	40	43
46	80	=STATUS	XX	2	44	45
47	80	=START-DATE	YYMMDD	6	46	51
48	80	=END-DATE	YYMMDD	6	52	57
49	80	=				
50	80	=In the PICTURE column, note the following:				
51	80	=				
52	80	= 9 indicates a numeric digit (0-9)				
53	80	= X indicates an alphanumeric character				
54	80	= V indicates position of implied decimal point				
55	80	= YYMMDD indicated a numeric date in the format Year, Month, Day				
56	80	=				
57	80	=				
58	80	=				
59	80	=				
60	80	=				
61	80	=				
62	80	=				
63	80	=				
64	80	=				
65	80	=				
66	80	=				
67	80	=				
68	80	=				
69	80	=				
70	80	=ITEM DESCRIPTIONS:				
71	80	=				
72	80	=FILE-NUMBER -- The file number is a five-digit numeric field				
73	80	=which uniquely identifies the probationer. It is assigned				
74	80	=when the probationer first enters the probation system.				
75	80	=				
76	80	=TIME-ON-PROB -- While the file number is used to uniquely				
77	80	=identify a probationer, the time on probation field identifies				
78	80	=a particular probation experience for an individual. This				
79	80	=number is ordinal by definition, i.e. a 03 in this field				
80	80	=indicates that this is the third probation experience for the				
81	80	=person. The combination of FILE-NUMBER and TIME-ON-PROB is				
82	80	=used as a unique record identifier.				
83	80	=				
84	80	=RISK -- This is the risk level for the probationer. Higher risk				
85	80	=probationers have a greater probability of violating the terms				
86	80	=of probation. This field can have one of three possible values:				
87	80	=				
88	80	=	LD = Low risk			
89	80	=	MO = Moderate risk			
90	80	=	HI = High risk			
91	80	=				
92	80	=The frequency distribution for this data is:				
93	80	=				
94	80	=	LD 1971			
95	80	=	MO 2412			
96	80	=	HI 2235			
97	80	=	-----			
98	80	=	TOTAL 6618			
99	80	=				
100	80	=SUPERVISION -- Supervision level takes a value that corresponds to				

101 80 =the amount of supervision given to the probationer. Possible
 102 80 =values are:
 103 80 =
 104 80 = UN - Unsupervised. The probation officer is
 105 80 = contacted at the request of the probationer.
 106 80 =
 107 80 = MI - Minimum. The probation officer and probationer
 108 80 = are to communicate at the discretion of the probation
 109 80 = officer, usually once per month.
 110 80 =
 111 80 = MA - Maximum. The probation officer and the
 112 80 = the probationer are to communicate extensively
 113 80 = on a regular, formal basis, usually twice a
 114 80 = month.
 115 80 =
 116 80 =The frequency distribution for this item in the data file is:
 117 80 =
 118 80 = UN - 2350 cases
 119 80 = MI - 2577 cases
 120 80 = MA - 1691 cases
 121 80 = -----
 122 80 = TOTAL - 6618 cases
 123 80 =
 124 80 =
 125 80 =
 126 80 =
 127 80 =
 128 80 =
 129 80 =
 130 80 =
 131 80 =
 132 80 =
 133 80 =
 134 80 =
 135 80 =COSTS -- This field represents the total costs incurred by
 136 80 =Hamilton County Municipal Court in the supervision of the
 137 80 =probationer for the probation experience. It is the sum
 138 80 =of mileage costs, supervision costs, and intake processing
 139 80 =costs incurred for this probation experience.
 140 80 =
 141 80 =COSTS-PAID -- This field represents the total amount of money
 142 80 =received from the probationer during the probation term as
 143 80 =reimbursement to Hamilton County Municipal Court for the
 144 80 =expenses of administration of the probationer's matter.
 145 80 =
 146 80 =FINES-PAID -- This field is the total amount of money received
 147 80 =from the probationer during the probation term as a penalty
 148 80 =for the acts committed.
 149 80 =
 150 80 =REST-PAID -- This dollar amount indicates the total amount of
 151 80 =money received from the probationer during the probation term
 152 80 =as restitution for damages caused.
 153 80 =
 154 80 =POINTS -- This field indicates the total number of points
 155 80 =counted against the probationer for violation of probation
 156 80 =conditions. A probation was considered "unsuccessful" if
 157 80 =the probationer received over 600 points.
 158 80 =
 159 80 =STATUS -- This field indicates the status of the probationer
 160 80 =at the time of the data analysis. A table of possible


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.....*.....1.....*.....2.....*.....3.....*.....4.....*.....5.....*.....6.....*.....7.....*.....8.....*.....9.....*.....0
1      80      =@ASG,A HCC*DATA.
2      80      =@USE 8.,HCC*DATA.
3      80      =@SPSS*SPSS.V9 30000
4      80      =FILE NAME      COSTS OF MISDEMEANANT PROBATION  HAMILTON COUNTY COURTS
5      80      =VARIABLE LIST  V1 V2 V3 V4 V5 V6 V7 V8 V9 V10 V11 V12 V13 V14 V15 V16
6      80      =INPUT FORMAT  FIXED(F5.0,F2.0,2A2,4F7.2,F4.0,A2,6F2.0)
7      80      =INPUT MEDIUM  DISK
8      80      =N OF CASES    6618
9      80      =VAR LABELS   V1 FILE NUMBER /
10     80      =              V2 TIME ON PROBATION /
11     80      =              V3 RISK / /
12     80      =              V4 SUSPERSION / /
13     80      =              V5 COSTS / /
14     80      =              V6 COSTS PAID / /
15     80      =              V7 FINES PAID / /
16     80      =              V8 RESTITUTION PAID /
17     80      =              V9 POINTS /
18     80      =              V10 STATUS /
19     80      =              V11 START YEAR /
20     80      =              V12 START MONTH /
21     80      =              V13 START DAY /
22     80      =              V14 END YEAR /
23     80      =              V15 END MONTH /
24     80      =              V16 END DAY /
25     80      =PRINT FORMATS V1(O) V2(O) V3(A) V4(A) V5(2) V6(2) V7(2) V8(2) V9(O) V10(A)
26     80      =              V11(O) V12(O) V13(O) V14(O) V15(O) V16(O)
27     80      =FREQUENCIES  GENERAL=V2 TO V4, V9 TO V16
28     80      =STATISTICS   10,11,1,5,9
29     80      =FREQUENCIES  GENERAL=V5 TO V8
30     80      =OPTIONS      7
31     80      =STATISTICS   10,11,1,5,9
32     80      =READ INPUT DATA
33     80      =FINISH
34     80      =
35     80      =
36     80      =
37     80      =
38     80      =
39     80      =
40     80      =
41     80      =
42     80      =
43     80      =
44     80      =
45     80      =
46     80      =
47     80      =
48     80      =
49     80      =
50     80      =
51     80      =
52     80      =
53     80      =
54     80      =
55     80      =
56     80      =
57     80      =
58     80      =
59     80      =

```

60	80	=
61	80	=
62	80	=
63	80	=
64	80	=
65	80	=
66	80	=
67	80	=
68	80	=
69	80	=
70	80	=
71	80	=
72	80	=
73	80	=
74	80	=
75	80	=
76	80	=
77	80	=
78	80	=
79	80	=
80	80	=
81	80	=
82	80	=
83	80	=
84	80	=
85	80	=
86	80	=
87	80	=
88	80	=
89	80	=
90	80	=

RECORDS PROCESSED = 90
FILE LENGTH (FEET) = 1 FEET