

WREB Data Documentation

The following documents the data file for the Washington ReEmployment Bonus (WREB) experiment. The data are available on 9-track tape in ASCII format written by a VAX 4000 using 6250 bpi density with ANSI standard labeling. The following information documents the tape:

Density: 6250 bpi
Record length: 1082
Block size: 21640 (20 records per block)
Volume label: WREB

Also enclosed is a floppy diskette (MS-DOS version 3.31 format) which contains a SAS program that will read the data from the tape; however, the user will need to edit the program for system and language conventions. Due to the size of the data set, the data are only available on 9-track tape.

The data set contains Unemployment Insurance (UI), Labor Market and Economic Analysis (LMEA) and WREB experiment data for 17,554 claimants initially selected for control and treatment groups. There are 236 variables in each record and each claimant is uniquely identified by a five digit identification number (IDNO) which appears in the first position of the record. The remaining variables are ordered alphabetically.

To select the 15,534 claimants who meet the WREB Analytic Sample Criteria (ASC) and are used in "The Washington Reemployment Bonus Experiment: Final Report," the user must select those claimants where the variable ASC equals one.

The following tables document each record as it was written from the original SAS data set. The formats follow SAS conventions as described below:

SAS Conventions

Format	Description
w.	Standard numeric (integer) format with field length w.
	For example, a format value 5. means an integer value of field length 5.
w.d	Standard numeric (real) format of field length w (including the decimal point) with d digits following the decimal.

SAS Conventions Continued

Format

Description

w.d continued ...

For example, 4.1 indicates a real value having field length 4 including the decimal point, with one digit after the decimal. 11.2 indicates a real value of length 11 including the decimal point, with two digits following the decimal point.

\$w.

Standard character format of length w.

For example for the Dictionary of Occupational Titles variable (DOT), \$3. indicates a character value with field length 3.

mmddyy6.

Date format of field length 6.

For example, a qualification deadline (QUALDATE) of July 23, 1988 appears in the record as 072388.

An asterisk (*) appearing next to a variable name indicates there are missing values for some observations. Unless otherwise indicated, when data are missing, the variable's field is filled with 9s. For example, the variable WG851 (wages earned by the claimant in the first quarter, 1985) which has a total field length of 11 with 2 places after the decimal (11.2), has missing values indicated by 99999999.99. The user should assign these observations system specific values for missing. See page 27 of this document for a list of variables that have special values to denote missing.

Two asterisks (**) appearing next to a variable indicate that the variable applies only to the treatment group. In these cases, missing values indicate the control group rather than the absence of information; however, the user should still assign these observations system specific values for missing.

Following the variable listings are sections which group the variables into specific categories. These categories are intended to help the user understand the vast amount of information in this data set by providing some structure to the data.

Mean values and frequency distributions are also enclosed. Please call Ken Kline (616) 343-5541 if you have any questions.

Variable Name	Description	Format	Start Column
IDNO	Claimant Identification Number (1 .. 17554)	5.	1
	This identification number is a created variable designed to suppress actual identification of any claimant.		
ACCID851*	Employer Identifier, first quarter, 1985	5.	6
ACCID852*	Employer Identifier, second quarter, 1985	5.	11
ACCID853*	Employer Identifier, third quarter, 1985	5.	16
ACCID854*	Employer Identifier, fourth quarter, 1985	5.	21
ACCID861*	Employer Identifier, first quarter, 1986	5.	26
ACCID862*	Employer Identifier, second quarter, 1986	5.	31
ACCID863*	Employer Identifier, third quarter, 1986	5.	36
ACCID864*	Employer Identifier, fourth quarter, 1986	5.	41
ACCID871*	Employer Identifier, first quarter, 1987	5.	46
ACCID872*	Employer Identifier, second quarter, 1987	5.	51
ACCID873*	Employer Identifier, third quarter, 1987	5.	56
ACCID874*	Employer Identifier, fourth quarter, 1987	5.	61
ACCID881*	Employer Identifier, first quarter, 1988	5.	66
ACCID882*	Employer Identifier, second quarter, 1988	5.	71
ACCID883*	Employer Identifier, third quarter, 1988	5.	76
ACCID884*	Employer Identifier, fourth quarter, 1988	5.	81
ACCID891*	Employer Identifier, first quarter, 1989	5.	86
ACCID892*	Employer Identifier, second quarter, 1989	5.	91
ACCID893*	Employer Identifier, third quarter, 1989	5.	96
ACCID894*	Employer Identifier, fourth quarter, 1989	5.	101

NOTE: The data is for the Major Employer in the quarter. "Major" refers to the employer that reported the most wages for the claimant in that quarter. The Employer Identifier uniquely identifies each major employer in the data base (99999 = missing); however, this identifier is a created variable designed to suppress actual identification of any specific firm.

AGE	Claimant age at filing of claim (years).	4.1	106
ASC	Claimant meets the Analytic Sample Criteria	1.	110
	The criteria is that the claim must have been monetarily valid at filing and have had no nonmonetary issues on the claim during at least one week in the qualification period, or that the claim was monetarily valid at filing and no waiting week was ever claimed.		

Variable Name	Description	Format	Start Column
BKTOWORK*	<p>Proxy for claimant returned to work.</p> <p>1=claimant served waiting week within 3 weeks of filing (WAITWK > 0 AND WAITWK-PROCWK <= 3), terminated initial spell of benefits prior to exhaustion (TERMWK > 0 AND SPELL2UI < MBP), and had wages following termination of benefits. If the filing quarter and the termination quarter are the same (FILEQTR=TERMQTR), the quarter following termination of benefits is used (WGyyq of TERMQTR + 1 qtr > 0, where yyq is year and quarter, for example 884); Otherwise, the quarter of termination is used (WGyyq of TERMQTR > 0, for example WG883 > 0).</p> <p>1=claimant never served waiting week (WAITWK=0) but shows wages in quarter after filing (WGyyq of FILEQTR + 1 qtr > 0).</p> <p>0=never terminated initial spell prior to exhaustion (WAITWK > 0 AND WAITWK-PROCWK <=3 AND (TERMWK=0 OR SPELL2UI = MBP).</p> <p>missing (9)=served waiting week more than 3 weeks from filing (WAITWK > 0 AND WAITWK-PROCWK > 3) or wage data are missing (WGyyq of TERMQTR + 1 qtr. = missing).</p>	1.	111
BONUS**	<p>Collected bonus</p> <p>1=yes, 0=no, missing (9) = control group</p>	1.	112
BONUSAMT**	<p>Amount of bonus offer in dollars</p> <p>missing (9999) = control group.</p>	4.	113
BSIC*	<p>1-digit SIC code of base year employer</p> <p>This is the 1 digit Standard Industrial Code (SIC) of the "Major" base year employer, where "Major" refers to the employer that reported the most wages for the base year. The base year is usually the 12 month period consisting of the first four of the five quarters prior to the quarter of filing the UI application; however, some claimants use an Alternate Base Year (ABY) which is the four quarters immediately prior to the quarter of filing. (Missing = 'X')</p>	\$1.	117

Variable Name	Description	Format	Start Column
BWAGES	Wages earned in the base year See description of BSIC for definition of "base year."	11.2	118
DISLMEA	Dislocated worker based on LMEA definition of declining industries in specific areas. 1=yes, 0=no.	1.	129
DISLOC1	Dislocated worker, 12 quarters prior to the quarter of filing are with the same employer 1=yes, 0=no	1.	130
DISLOC2	Dislocated worker, 12 quarters same industry 2-digit SIC code of major employer is the same for each of the 12 quarters prior to the quarter of filing (1=yes, 0=no).	1.	131
DISLOC3	Dislocated worker, 12 quarters continuous employment prior to the quarter of filing WGyyq > 0 for each of the 12 quarters prior to the filing quarter (1=yes, 0=no).	1.	132
DOT*	Dictionary of Occupational Titles (DOT) code recorded as of the UI application date. DOT contains the first three digits of the nine digit DOT code (missing='XXX').	\$3.	133
EDC	Effective Date of Claim This is the Sunday of the week the claimant's benefit year begins.	mmddyy6.	136
EDUCATE	Years of education as reported on the claimant's UI application	2.	142
ENROLLWK	Week of experiment claimant enrolled 0=pilot, 1=week ended 03/18/88, ... 37=week ended 11/25/88	2.	144

Variable Name	Description	Format	Start Column
ENTITLE	Entitled duration of UI benefits (MBP/WBA2) These are end of benefit year values, i.e. after all redeterminations have been done.	2.	146
ETHNIC	Ethnic code 1=White non-Hispanic 2=Black non-Hispanic 3=Hispanic 4=Alaskan Native 5=Asian/Pacific Islander 6=American Native	\$1.	148
F4A**	Submitted valid Notice of Hire 1=yes, 0=no, missing (9) = control group For the number of claimants who submitted a Notice of Hire form regardless of validity, see the variable NOH.	1.	149
FILEQTR	Quarter in which initial claim was processed This is the quarter in which PROCDATE occurs. 881 = first quarter, 1988 882 = second quarter, 1988 883 = third quarter, 1988 884 = fourth quarter, 1988	3.	150
IAWS*	Initial Alpha Work Search Indicator as of the processing date of the UI application A = JTPA Title III (Dislocated Worker) Commissioner approved training. B = JTPA Title II Commissioner approved training. C = Union member in Commissioner approved training. D = Commissioner approved training. E = Directed to attend job search assistance workshop. F = Directed to attend training/retraining. G = Job search assistance workshop. H = Claimant placement project participant. I = Self employment (previously cleared, documentation on file). J = JTPA Title III (dislocated worker) program	\$1.	153

Variable Name	Description	Format	Start Column
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IAWS continued ...

participant.
 K = JTPA Title II program participant.
 L = First source Commissioner approved training.
 M = Commission sales (previously cleared, documentation on file).
 N = Rent in lieu of salary (previously cleared, documentation on file).
 O = Shared work participant.
 P = Partially employed claimant.
 Q = Qualified referral union member.
 R = Resume work search contacts (approved, documentation on file).
 S = Stand-by (approval on file after 4 weeks or if first request is 4+ weeks).
 T = Targeted claimant.
 U = Full referral union member.
 V = Telephone work search contacts (approved, documentation on file).
 W = Nonconflicting schooling (previously cleared, documentation on file).
 X = Work search a futile act.
 Y = Claimant placement project credit taken.
 Z = Seasonally attached worker, during the off-season.

NOTE: The priority for assigning the Alpha indicator is:

A-G and L must be used if the claimant is participating in the defined program. If the claimant falls in more than one category (A-G and L) the first one applicable is used.

If the claimant falls into categories Q, S or U, these are mandatory and must be used provided A-G and L are not applicable. Remaining indicators would be assigned as applicable.

'9' = missing

IUR1	Insured unemployment rate at filing JSC, 10/87	4.1	154
IUR2	Insured unemployment rate at filing JSC, 11/87	4.1	158
IUR3	Insured unemployment rate at filing JSC, 12/87	4.1	162
IUR4	Insured unemployment rate at filing JSC, 01/88	4.1	166
IUR5	Insured unemployment rate at filing JSC, 02/88	4.1	170
IUR6	Insured unemployment rate at filing JSC, 03/88	4.1	174
IUR7	Insured unemployment rate at filing JSC, 04/88	4.1	178
IUR8	Insured unemployment rate at filing JSC, 05/88	4.1	182

Variable Name	Description	Format	Start Column
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IUR continued ...

IUR9	Insured unemployment rate at filing JSC, 06/88	4.1	186
IUR10	Insured unemployment rate at filing JSC, 07/88	4.1	190
IUR11	Insured unemployment rate at filing JSC, 08/88	4.1	194
IUR12	Insured unemployment rate at filing JSC, 09/88	4.1	198
IUR13	Insured unemployment rate at filing JSC, 10/88	4.1	202
IUR14	Insured unemployment rate at filing JSC, 11/88	4.1	206
IUR15	Insured unemployment rate at filing JSC, 12/88	4.1	210
IUR16	Insured unemployment rate at filing JSC, 01/89	4.1	214
IUR17	Insured unemployment rate at filing JSC, 02/89	4.1	218
IUR18	Insured unemployment rate at filing JSC, 03/89	4.1	222
IUR19	Insured unemployment rate at filing JSC, 04/89	4.1	226
IUR20	Insured unemployment rate at filing JSC, 05/89	4.1	230
IUR21	Insured unemployment rate at filing JSC, 06/89	4.1	234
IUR22	Insured unemployment rate at filing JSC, 07/89	4.1	238
IUR23	Insured unemployment rate at filing JSC, 08/89	4.1	242
IUR24	Insured unemployment rate at filing JSC, 09/89	4.1	246
IUR25	Insured unemployment rate at filing JSC, 10/89	4.1	250
IUR26	Insured unemployment rate at filing JSC, 11/89	4.1	254

NOTE: The insured unemployment rate is the rate in the county in which the JSC is located.

JSC	Office number of the Job Service Center in which the claim was filed.	\$3.	258
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JSC Site Name

310	Auburn
330	Renton
350	Lynnwood
360	North Seattle
370	Rainier
380	Everett
390	Bellevue
540	Bellingham
550	Bremerton
560	Mount Vernon
610	Olympia
620	Lewis County
630	Aberdeen
650	Cowlitz County
810	Spokane
840	Moses Lake
870	Wenatchee
920	Yakima
940	Sunnyside
950	Tri-Cities

Variable Name	Description	Format	Start Column
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JSC Continued ...

960 Walla Walla

MBP	Maximum Benefits Payable on the claim	4.	261
NETPAY1	Net UI compensation earned, week 1 of claim	3.	265
NETPAY2	Net UI compensation earned, week 2 of claim	3.	268
NETPAY3	Net UI compensation earned, week 3 of claim	3.	271
NETPAY4	Net UI compensation earned, week 4 of claim	3.	274
NETPAY5	Net UI compensation earned, week 5 of claim	3.	277
NETPAY6	Net UI compensation earned, week 6 of claim	3.	280
NETPAY7	Net UI compensation earned, week 7 of claim	3.	283
NETPAY8	Net UI compensation earned, week 8 of claim	3.	286
NETPAY9	Net UI compensation earned, week 9 of claim	3.	289
NETPAY10	Net UI compensation earned, week 10 of claim	3.	292
NETPAY11	Net UI compensation earned, week 11 of claim	3.	295
NETPAY12	.	3.	298
NETPAY13	.	3.	301
NETPAY14	.	3.	304
NETPAY15	.	3.	307
NETPAY16	.	3.	310
NETPAY17	.	3.	313
NETPAY18	.	3.	316
NETPAY19	.	3.	319
NETPAY20	.	3.	322
NETPAY21	.	3.	325
NETPAY22	.	3.	328
NETPAY23	.	3.	331
NETPAY24	.	3.	334
NETPAY25	.	3.	337
NETPAY26	.	3.	340
NETPAY27	.	3.	343
NETPAY28	.	3.	346
NETPAY29	.	3.	349
NETPAY30	.	3.	352
NETPAY31	.	3.	355
NETPAY32	.	3.	358
NETPAY33	.	3.	361
NETPAY34	.	3.	364
NETPAY35	.	3.	367
NETPAY36	.	3.	370
NETPAY37	.	3.	373
NETPAY38	.	3.	376
NETPAY39	.	3.	379
NETPAY40	.	3.	382
NETPAY41	.	3.	385
NETPAY42	.	3.	388
NETPAY43	.	3.	391

Variable Name	Description	Format	Start Column
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NETPAY Continued ...

NETPAY44	Net UI compensation earned, week 44 of claim	3.	394
NETPAY45	.	3.	397
NETPAY46	.	3.	400
NETPAY47	.	3.	403
NETPAY48	.	3.	406
NETPAY49	.	3.	409
NETPAY50	.	3.	412
NETPAY51	.	3.	415
NETPAY52	Net UI compensation earned, week 52 of claim	3.	418

For the net compensation variable, values less than or equal to 209 indicate earned compensation. Other special values are:

999	Served waiting week
998	Week not claimed
997	Zero payment due to pension income
996	Zero payment due to earnings
995	Zero payment due to pension and earnings
994	Zero payment for any other reason

NOH**	Submitted Notice of Hire form	1.	421
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1=yes, 0=no, missing (9)=control group

To determine the number of valid Notices of Hire refer to the variable F4A.

PPI	Program Participant Indicator	\$1.	422
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0=control group
 1=treatment group 1
 2=treatment group 2
 3=treatment group 3
 4=treatment group 4
 5=treatment group 5
 6=treatment group 6

PROCDATE	Date initial claim (IC) was processed	mmddyy6.	423
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This is the date the IC was entered into WSESD computer system and is the best approximation of the date the claimant filed for benefits. Note, to calculate the length of the qualification period:

LENGTH = (QUALDATE-PROCDATE+1)/7.0

Variable Name	Description	Format	Start Column
PROCWK	<p>Week of claimant's benefit year in which initial claim was processed</p> <p>This is measured from the Effective Date of Claim (EDC) in the following manner:</p> <pre>IF (PROCDATE-EDC)/7-INT((PROCDATE-EDC)/7)=0 THEN PROCWK=(PROCDATE-EDC)/7 ELSE PROCWK=INT((PROCDATE-EDC)/7)+1</pre> <p>Since EDC is a Sunday date, the first part of the IF condition returns no remainder if PROCDATE occurs on a Sunday (INT is a SAS function that truncates the remainder). Otherwise, the ELSE condition is used.</p> <p>A value of 1 indicates that the claim was processed in the first week of the claimant's benefit year, 2 indicates the claim was processed in the second week (backdated one week) ...</p>	2.	429
QUALDATE**	<p>Re-employment deadline</p> <p>missing (010191) = control group</p>	mmdyy6.	431
QUALEXP*	<p>Week of claimant's benefit year in which the re-employment deadline expires.</p> <p>Since QUALDATE is always a Saturday and EDC a Sunday, $QUALEXP = (QUALDATE - (EDC - 1)) / 7.0$</p> <p>For treatment group claimants, the qualification date is the one assigned to the claimant when the claimant was in the JSC.</p> <p>For control group members, the qualification date is based on the definition of the "long" qualification period using 40 percent of the claimant's entitlement as of IC process date (PROCDATE) plus one week. Using ORACLE enhanced SQL code, this date is measured from the Saturday prior to the week in which the IC was processed, and rounded up to the next full week:</p> <pre>NEXT_DAY(DECODE(TO_CHAR(PROCDATE,'D'),7, PROCDATE-8,PROCDATE-7),'SATURDAY'), +7*(DECODE(0.4*EIC+1-TRUNC(0.4*EIC+1,0),0, 0.4*EIC+1,TRUNC(0.4*EIC+1,0)+1))</pre>	2.	437

Variable Name	Description	Format	Start Column
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QUALEXP continued ...

where PROCDATE is the date the IC was processed, and EIC is entitled duration of benefits as of IC processing (not included in this data set).

The NEXT_DAY function and the first DECODE function combine to find the Saturday prior to the IC process date. From that date, the remaining DECODE function adds the qualification period length, rounding up any remaining weeks (for example, 7.2 weeks is rounded up to 8 weeks).

For 19 control group members, this value is missing (passed on tape as 0 NOT 9) because the claim was not monetarily valid as of IC processing.

QUALIFYL	Claimant partially qualified for the bonus	1.	439
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This uses the "long" qualification deadline for controls (QUALEXP). QUALEXP is also used for the treatments. See note under QUALIFYL.

1=yes, 0=no

QUALIFYL	Claimant partially qualified for bonus	1.	440
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This uses the "short" qualification deadline for controls (QUALSEXP) and QUALEXP for treatments, 1=yes, 0=no.

NOTE: Qualified for the bonus is loosely defined here and includes all claimants who did not serve a waiting week. It further includes all claimants who terminated their initial spell of benefits prior to their re-employment deadline and did not earn another UI benefit for 4-months. Following SAS conventions, the definitions are:

Variable Name	Description	Format	Start Column
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QUALIFYS, QUALIFYL continued ...

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IF WAITWK=0 THEN DO;
  QUALIFYS=1;
  QUALIFYL=1;
END;
ELSE DO;
  ** Remember "short" and "long" deadlines for controls **;
  IF PPI='0' THEN DO;
    * Must have waiting week before deadline and terminate *
    * benefits before deadline and no benefits in the re- *
    * employment period. *;
    IF WAITWK <= QUALSEXP AND
      TERMWK > 0 AND TERMWK <= QUALSEXP AND
      (UI4MTHWK=0 OR UI4MTHWK > TERMWK+17)
    THEN QUALIFYS=1;
    ELSE QUALIFYS=0;
    ** Long qualification period deadline **;
    IF WAITWK <= QUALEXP AND
      TERMWK > 0 AND TERMWK <= QUALEXP AND
      (UI4MTHWK=0 OR UI4MTHWK > TERMWK+17)
    THEN QUALIFYL=1;
    ELSE QUALIFYL=0;
  END;
ELSE DO;
  ** QUALEXP is defined for all treatments, and again, **
  ** must have waiting week before deadline, terminated **
  ** initial spell before the deadline and have no UI **
  ** in the reemployment period. **;
  IF WAITWK <= QUALEXP AND
    TERMWK > 0 AND TERMWK <= QUALEXP AND
    (UI4MTHWK=0 OR UI4MTHWK > TERMWK+17)
  THEN QUALIFYL=1;
  ELSE QUALIFYL=0;
  QUALIFYS=QUALIFYL;
END;
END;

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NOTE: UI4MTHWK marks the week of the benefit year in which the claimant earned another UI benefit following termination of the initial spell. This variable is not included in this data set but may be defined as:

Variable Name	Description	Format	Start Column
QUALIFYFYS, QUALIFYFL continued ...	<pre> ARRAY NETPAY(52) NETPAY1-NETPAY52; UI4MTHWK=0; ** Initialize **; DO I=TERMWK+1 TO 52; IF UI4MTHWK=0 AND 0 < NETPAY(I) <= 209 THEN UI4MTHWK=I; END; where NETPAY is an array of the NETPAY series (NETPAY1 ... NETPAY52).</pre>		
QUALSEXP*	<p>Week of the control group claimant's benefit year in which the reemployment deadline expires</p> <p>This is defined for controls only and uses the "short" qualification period, 20 percent of entitlement as of IC processing, plus 1 week. The computation is the same as for QUALEX except 0.2 is substituted for 0.4.</p> <p>missing (0 NOT 9) = treatment group except for 19 controls whose entitlement at IC processing was 0.</p>	2.	441
RECALL*	<p>Proxy for claimant recalled to prior employer</p> <p>This is conditional upon the claimant having returned to work (BKTOWORK=1).</p> <p>1 means the employer ID (ACCIDyyq) in the post termination quarter (see BKTOWORK) is the same as the employer ID in the full quarter prior to filing (quarter before FILEQTR). The employer ID in these quarters refers to the major employer of that quarter.</p> <p>0 means the claimant returned to work but did not return to the prior employer.</p> <p>missing (9) means the wage data are missing or the claimant never returned to work (BKTOWORK=0 or BKTOWORK=missing (9)).</p>	1.	443
SEX	Claimant gender, 1=male, 0=female	1.	444

Variable Name	Description	Format	Start Column
SPELL2	Length of initial spell (weeks) The initial spell starts with the waiting week and ends with the last UI compensation earned prior to two consecutive weeks of no compensation. This includes claimants whose initial spell terminates with exhaustion of benefits (SPELL2UI=MBP). The SAS algorithm for initial spell variables is as follows: <pre> ** Initialize variables **; ARRAY NETPAY(52) NETPAY1-NETPAY52; WAITWK=0; TERMWK=0; SPELL2=0; SPELL2UI=0; ** Search benefit year for waiting week and spell **; DO I=1 TO 52; ** If spell not identified continue searching **; IF TERMWK=0 THEN DO; ** Spell starts with waiting week **; IF NETPAY(I)=999 THEN DO; WAITWK=I; SPELL2=SPELL2+1; END; ** Spell starts with waiting week **; ELSE IF WAITWK > 0 THEN DO; ** If no payment check next week **; IF NETPAY(I) > 209 THEN DO; ** Array can't evaluate 53 **; IF I+1 <= 52 THEN DO; ** If no in second week mark spell **; IF NETPAY(I+1) > 209 THEN TERMWK=I-1; END; END; ELSE DO; ** Payment earned increment spell **; SPELL2=SPELL2+1; SPELL2UI=SPELL2UI+NETPAY(I); END; END; END; END; </pre>	2.	445
SPELL2UI	UI compensation in the initial spell See SPELL2 for definition of initial spell.	4.	447
STDWAGE	Standard deviation of base year wages	11.4	451

Variable Name	Description	Format	Start Column
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STDWAGE continued ...

The base year is usually the 12 month period consisting of the first four of the five quarters prior to the quarter in which the claim was filed. Some use an Alternate Base Year (ABY) which is the four quarters immediately preceding the quarter in which the claim was filed.

The following will identify standard base period or ABY: Let Q be the quarter in which the claim was filed (FILEQTR), and WGQ be the total wages for the given year and quarter.

IF WGQ-4 + WGQ-3 + WGQ-2 + WGQ-1 = BWAGES
 THEN calculate mean and standard deviation
 using ABY
 ELSE use WGQ-5 ... WGQ-2;

SURVEY	Claimant selected for follow-up survey 1=yes, 0=no	1.	462
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TERMQTR	Quarter in which claimant terminated the initial spell	3.	463
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TERMQTR=Quarter of EDC+(7*TERMWK)-1

881 = first quarter, 1988

882 = second quarter, 1988

883 = third quarter, 1988

.

894 = fourth quarter, 1989

If claimant never terminated initial spell before the end of the benefit year or never claimed a waiting week, TERMQTR is assigned the value of FILEQTR.

TERMWK	Week of the claimant's benefit year in which claimant terminated the initial spell	2.	466
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This includes claimants who terminated the initial spell by exhausting benefits (SPELL2UI=MBP). A value of 0 means the claimant did not serve waiting week or did not terminate initial spell by the end of the benefit year. See SPELL2.

Variable Name	Description	Format	Start Column
TOT1	Total employment at filing JSC, 10/87	6.	468
TOT2	Total employment at filing JSC, 11/87	6.	474
TOT3	Total employment at filing JSC, 12/87	6.	480
TOT4	Total employment at filing JSC, 01/88	6.	486
TOT5	Total employment at filing JSC, 02/88	6.	492
TOT6	Total employment at filing JSC, 03/88	6.	498
TOT7	Total employment at filing JSC, 04/88	6.	504
TOT8	Total employment at filing JSC, 05/88	6.	510
TOT9	Total employment at filing JSC, 06/88	6.	516
TOT10	Total employment at filing JSC, 07/88	6.	522
TOT11	Total employment at filing JSC, 08/88	6.	528
TOT12	Total employment at filing JSC, 09/88	6.	534
TOT13	Total employment at filing JSC, 10/88	6.	540
TOT14	Total employment at filing JSC, 11/88	6.	546
TOT15	Total employment at filing JSC, 12/88	6.	552
TOT16	Total employment at filing JSC, 01/89	6.	558
TOT17	Total employment at filing JSC, 02/89	6.	564
TOT18	Total employment at filing JSC, 03/89	6.	570
TOT19	Total employment at filing JSC, 04/89	6.	576
TOT20	Total employment at filing JSC, 05/89	6.	582
TOT21	Total employment at filing JSC, 06/89	6.	588
TOT22	Total employment at filing JSC, 07/89	6.	594
TOT23	Total employment at filing JSC, 08/89	6.	600
TOT24	Total employment at filing JSC, 09/89	6.	606
TOT25	Total employment at filing JSC, 10/89	6.	612
TOT26	Total employment at filing JSC, 11/89	6.	618

NOTE: Employment data is distributed to the JSC level
by the Labor Market and Economic Analysis (LMEA)
Branch of the Washington State Employment Security
Department.

TOTALWKS	Total number of compensable weeks plus the waiting week	2.	624
----------	--	----	-----

The SAS algorithm is as follows:

```

ARRAY NETPAY(52) NETPAY1-NETPAY52;
TOTALWKS=0;
DO I=1 TO 52;
  IF 0 < NETPAY(I) <= 209 OR NETPAY(I)=999
    THEN TOTALWKS=TOTALWKS+1;
END;
```

TUR1	Total unemployment rate at filing JSC, 10/87	4.1	626
TUR2	Total unemployment rate at filing JSC, 11/87	4.1	630
TUR3	Total unemployment rate at filing JSC, 12/87	4.1	634
TUR4	Total unemployment rate at filing JSC, 01/88	4.1	638
TUR5	Total unemployment rate at filing JSC, 02/88	4.1	642

Variable Name	Description	Format	Start Column
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TUR continued ...

TUR6	Total unemployment rate at filing JSC, 03/88	4.1	646
TUR7	Total unemployment rate at filing JSC, 04/88	4.1	650
TUR8	Total unemployment rate at filing JSC, 05/88	4.1	654
TUR9	Total unemployment rate at filing JSC, 06/88	4.1	658
TUR10	Total unemployment rate at filing JSC, 07/88	4.1	662
TUR11	Total unemployment rate at filing JSC, 08/88	4.1	666
TUR12	Total unemployment rate at filing JSC, 09/88	4.1	670
TUR13	Total unemployment rate at filing JSC, 10/88	4.1	674
TUR14	Total unemployment rate at filing JSC, 11/88	4.1	678
TUR15	Total unemployment rate at filing JSC, 12/88	4.1	682
TUR16	Total unemployment rate at filing JSC, 01/89	4.1	686
TUR17	Total unemployment rate at filing JSC, 02/89	4.1	690
TUR18	Total unemployment rate at filing JSC, 03/89	4.1	694
TUR19	Total unemployment rate at filing JSC, 04/89	4.1	698
TUR20	Total unemployment rate at filing JSC, 05/89	4.1	702
TUR21	Total unemployment rate at filing JSC, 06/89	4.1	706
TUR22	Total unemployment rate at filing JSC, 07/89	4.1	710
TUR23	Total unemployment rate at filing JSC, 08/89	4.1	714
TUR24	Total unemployment rate at filing JSC, 09/89	4.1	718
TUR25	Total unemployment rate at filing JSC, 10/89	4.1	722
TUR26	Total unemployment rate at filing JSC, 11/89	4.1	726

NOTE: Unemployment rate data is distributed to the JSC level by the Labor Market and Economic Analysis (LMEA) branch of the Washington State Employment Security Department.

UITOTAL	Total compensation earned in benefit year	4.	730
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The SAS algorithm is:

```

ARRAY NETPAY(52) NETPAY1-NETPAY52;
UITOTAL=0;
DO I=1 TO 52;
  IF 0 < NETPAY(I) <= 209
    THEN UITOTAL=UITOTAL+NETPAY(I);
END;
```

VOUCHER**	Claimant submitted bonus voucher for bonus payment	1.	734
-----------	--	----	-----

1=yes, 0=no, missing (9)=control group
Refer to the variable BONUS for the number of bonuses paid.

WAITWK	Week of the claimant's benefit year in which claimant served waiting week	2.	735
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Variable Name	Description	Format	Start Column
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WAITWK continued ...

0=claimant served no waiting week. The waiting week is identified by the NETPAY_i variables when NETPAY_i = 999.

WBA1	Weekly Benefit Amount as of the processing of the initial claim (PROCDATE)	3.	737
------	--	----	-----

WBA2	Weekly Benefit Amount as of the end of the claimant's benefit year	3.	740
------	--	----	-----

WG851*	Wages earned by claimant, first qtr., 1985	11.2	743
WG852*	Wages earned by claimant, second qtr., 1985	11.2	754
WG853*	Wages earned by claimant, third qtr., 1985	11.2	765
WG854*	Wages earned by claimant, fourth qtr., 1985	11.2	776
WG861*	Wages earned by claimant, first qtr., 1986	11.2	787
WG862*	Wages earned by claimant, second qtr., 1986	11.2	798
WG863*	Wages earned by claimant, third qtr., 1986	11.2	809
WG864*	Wages earned by claimant, fourth qtr., 1986	11.2	820
WG871*	Wages earned by claimant, first qtr., 1987	11.2	831
WG872*	Wages earned by claimant, second qtr., 1987	11.2	842
WG873*	Wages earned by claimant, third qtr., 1987	11.2	853
WG874*	Wages earned by claimant, fourth qtr., 1987	11.2	864
WG881*	Wages earned by claimant, first qtr., 1988	11.2	875
WG882*	Wages earned by claimant, second qtr., 1988	11.2	886
WG883*	Wages earned by claimant, third qtr., 1988	11.2	897
WG884*	Wages earned by claimant, fourth qtr., 1988	11.2	908
WG891*	Wages earned by claimant, first qtr., 1989	11.2	919
WG892*	Wages earned by claimant, second qtr., 1989	11.2	930
WG893*	Wages earned by claimant, third qtr., 1989	11.2	941
WG894*	Wages earned by claimant, fourth qtr., 1989	11.2	952

WGR851*	Hourly wage rate, first quarter, 1985	6.2	963
WGR852*	Hourly wage rate, second quarter, 1985	6.2	969
WGR853*	Hourly wage rate, third quarter, 1985	6.2	975
WGR854*	Hourly wage rate, fourth quarter, 1985	6.2	981
WGR861*	Hourly wage rate, first quarter, 1986	6.2	987
WGR862*	Hourly wage rate, second quarter, 1986	6.2	993
WGR863*	Hourly wage rate, third quarter, 1986	6.2	999
WGR864*	Hourly wage rate, fourth quarter, 1986	6.2	1005
WGR871*	Hourly wage rate, first quarter, 1987	6.2	1011
WGR872*	Hourly wage rate, second quarter, 1987	6.2	1017
WGR873*	Hourly wage rate, third quarter, 1987	6.2	1023
WGR874*	Hourly wage rate, fourth quarter, 1987	6.2	1029
WGR881*	Hourly wage rate, first quarter, 1988	6.2	1035
WGR882*	Hourly wage rate, second quarter, 1988	6.2	1041
WGR883*	Hourly wage rate, third quarter, 1988	6.2	1047
WGR884*	Hourly wage rate, fourth quarter, 1988	6.2	1053

Variable Name	Description	Format	Start Column
Hourly wage rate continued ...			
WGR891*	Hourly wage rate, first quarter, 1989	6.2	1059
WGR892*	Hourly wage rate, second quarter, 1989	6.2	1065
WGR893*	Hourly wage rate, third quarter, 1989	6.2	1071
WGR894*	Hourly wage rate, fourth quarter, 1989	6.2	1077

NOTE: Some wage data reported by employers was not accompanied by hours information and was not used in the wage rate calculation. Also, extreme values greater than \$100 per hour or less than \$2.35 per hour are set to missing.

The definition of wage rate is:

$$WR = (WG - WGHRO - WGHRB) / HR$$

where: WG = total wages in the quarter.
WGHRO = total wages in the quarter where hours are reported as 0.
WGHRB = total wages in the quarter where hours are reported as "blank."
HR = total hours reported in the quarter.

The following table summarizes the magnitude of this problem by showing the number of claimants who had hours reported as 0 or blank.

Qtr.	Observations with wages reported	Observations with hours reported 0	Observations with hours reported blank
85:1	11,171	69	948
85:2	12,095	52	997
85:3	12,602	106	1098
85:4	12,563	81	1290
86:1	12,611	94	1145
86:2	13,430	88	1227
86:3	13,999	94	1315
86:4	14,356	125	1284
87:1	14,476	135	1255
87:2	15,759	131	1518
87:3	16,577	147	1521
87:4	16,873	164	1503
88:1	16,281	153	1387
88:2	15,979	141	1292
88:3	14,556	190	1318
88:4	13,480	166	1357
89:1	12,472	98	1080
89:2	13,420	81	1099

Qtr.	Observations with wages reported	Observations with hours reported 0	Observations with hours reported blank
89:3	13,441	131	1158
89:4	13,116	92	1117

I. Claimant identifiers

Variable	Brief Description	Page
IDNO	Claimant identification number	3
AGE	Claimant age at filing of claim (years)	3
ASC	Claimant meets Analytic Sample Criteria	3
DOT	Dictionary of Occupational Titles (DOT) code	5
EDUCATE	Years of education	5
ETHNIC	Ethnic Code	6
JSC	Job Service Center in which claim was filed	8
PPI	Treatment/control group indicator	10
SEX	Claimant gender	14
SURVEY	Claimant selected for follow-up survey	16

II. UI program and constructed variables

Variable	Brief Description	Page
BKTOWORK	Claimant returned to work	4
EDC	Effective Date of Claim	5
ENTITLE	Entitled duration of UI benefits	6
FILEQTR	Quarter in which initial claim was processed	6
IAWS	Initial Alpha Work Search indicator	6
MBP	Maximum Benefits Payable on claim	9
NETPAY1 ..	Net UI compensation earned for each of the	9
NETPAY52	52 weeks of the benefit year.	
PROCDATE	Date initial claim was processed	10
PROCWK	Week of benefit year in which claim was processed	11
RECALL	Claimant recalled to prior employer	14
SPELL2	Length of initial spell of unemployment	15
SPELL2UI	Net compensation earned in initial spell	15
TERMQTR	Quarter in which claimant terminated initial spell of benefits.	16
TERMWK	Week of claimant's benefit year in which the claimant terminated the initial spell.	16
TOTALWKS	Total number of compensable weeks plus the waiting week	17
UITOTAL	Total compensation earned in benefit year	18
WAITWK	Week of claimant's benefit year in which the claimant served the waiting week	18
WBA1	Weekly Benefit Amount at IC process date	19
WBA2	Weekly Benefit Amount at end of benefit year	19

III. WREB Experiment variables

Variable	Brief Description	Page
BONUS	Claimant collected a bonus	4
BONUSAMT	Amount of bonus offer	4
ENROLLWK	Week of experiment claimant enrolled	5
F4A	Claimant submitted valid Notice of Hire	6
NOH	Claimant submitted Notice of Hire	10
QUALDATE	Re-employment deadline	11
QUALEXP	Week of claimant's benefit year in which the re-employment deadline expires.	11
QUALIFYL	Partially qualified for bonus (control group uses "long" qualification period)	12
QUALIFYS	Partially qualified for bonus (control group uses "short" qualification period)	12
QUALSEXP	Week of claimant's benefit year in which the re-employment deadline expires (control group only using "short" qualification period)	14
VOUCHER	Claimant submitted bonus voucher for payment	18

IV. Wage file variables

Variable	Brief Description	Page
ACCID851 .. ACCID894	Employer account identifier, first qtr. 1985 through fourth qtr. 1989	3
BSIC BWAGES	SIC code of major, base year employer Wages earned by claimant in base year	4 5
DISLMEA DISLOC1 DISLOC2 DISLOC3	Dislocated worker (LMEA) data Dislocated worker - 12 Qtr. same employer Dislocated worker - 12 Qtr. same industry Dislocated worker - 12 Qtr. continuous employment	5 5 5 5
STDWAGE	Standard deviation of base year wages.	15
WG851 .. WG894	Wages earned by claimant, first qtr. 1985 through fourth qtr. 1989	19
WGR851 .. WGR894	Hourly wage rate, first qtr. 1985 through fourth qtr. 1989	19

V. Labor Market and Economic Analysis (LMEA) variables

Variable	Brief Description	Page
IUR1 .. IUR26	Insured unemployment rate at filing JSC, October, 1987 through November, 1989.	7
TOT1 .. TOT26	Total employment at filing JSC, October, 1987 through November, 1989	17
TUR1 .. TUR26	Total unemployment rate at filing JSC October, 1987 through November, 1989	17

Variables with special values to denote missing:

Variable	format	Value on tape if missing
BSIC	\$1.	'X'
DOT	\$3.	'XXX'
QUALDATE	mmddyy6.	'010191'
QUALEXP	2.	0
QUALSEXP	2.	0