```
 1 *------------------------------------------------------------
   --*
 2 User:                   ACER
 3 Date:                   May 11, 2024
 4 Time:                   18:45:35
 5 Site:                   70110891
 6 Platform:               X64_8HOME
 7 Maintenance Release: 9.04.01M3P062415
 8 EM Version:             14.1
 9 *
10 *------------------------------------------------------------
   --*
11 * Training Log
12 Date:                   May 11, 2024
13 Time:                   18:45:28
14 *------------------------------------------------------------
   --*
15 10865  proc freq data=EMWS1.Reg2_VariableSet noprint;
16 10866  table ROLE*LEVEL/out=WORK.Reg2META;
17 10867  run;
18
19 NOTE: There were 22 observations read from the data set EMW
   S1.REG2_VARIABLESET.
20 NOTE: The data set WORK.REG2META has 2 observations and 4 v
   ariables.
21 NOTE: PROCEDURE FREQ used (Total process time):
22       real time           0.06 seconds
23       cpu time            0.00 seconds
24
25
26 10868  proc print data=WORK.Reg2META label noobs;
27 10869  var ROLE LEVEL COUNT;
28 10870  label ROLE = "%sysfunc(sasmsg(sashelp.dmine, meta_ro
   le_vlabel, NOQUOTE))" LEVEL = "%sysfunc(sasmsg(sashelp.dmin
   e, meta_level_vlabel, NOQUOTE))" COUNT = "%sysfunc(sasmsg(s
   ashelp.dmine, rpt_count_vlabel, NOQUOTE))";
```

```
29 10871  title9 ' ';
30 10872  title10 "%sysfunc(sasmsg(sashelp.dmine, rpt_varSumma
   ry_title  , NOQUOTE))";
31 10873  run;
32
33 NOTE: There were 2 observations read from the data set WORK
   .REG2META.
34 NOTE: The PROCEDURE PRINT printed page 1.
35 NOTE: PROCEDURE PRINT used (Total process time):
36       real time           0.01 seconds
37       cpu time            0.00 seconds
38
39
40 10874  title10;
41
42 10875  %let EMNORLEN = %DMNORLEN;
43 EMWS1.Varsel_TRAIN EMWS1.Varsel_TRAIN
44 EMWS1.Varsel_TRAIN EMWS1.Varsel_TRAIN EMWS1 Varsel_TRAIN
45 EMWS1.Varsel_TRAIN EMWS1.Varsel_TRAIN
46 EMWS1.Varsel_TRAIN EMWS1.Varsel_TRAIN EMWS1 Varsel_TRAIN
47 >>>>>>>>>>>>>> TARGET(   NAME='percent_vaccinated'
48                           ROLE='TARGET'
49                           LEVEL='INTERVAL'
50                           ORDER=''
51                           CREATOR='FIMPORT2'
52                           FORMATTYPE='QUANTITY'
53                           FAMILY=''
54                           LOWERLIMIT=.
55                           UPPERLIMIT=.
56                           REPORT='N'
57                           DISTRIBUTION=''
58                           COMMENT=''
59                           PRICE=.
60                           TYPE='N'
61                           LABEL=''
62                           FORMAT='BEST12.0'
```

```
63                          INFORMAT='BEST32.0'
64                          INDEX='N'
65                          INDEXTYPE='NONE'
66                          LENGTH=8
67                          USE='Y'
68                        )[11345]
69 PERFORMANCE  DETAILS
70 WORK.EM_DMDB WORK.EM_DMDB
71 WORK.EM_DMDB WORK.EM_DMDB WORK EM_DMDB
72 "No decisions defined for target "percent_vaccinated"."
73 10936  proc print data = EMWS1.Reg2_percent_vaccinat_DM noo
   bs label;
74 10937  var _type_ variable label;
75 10938  where _type_ ^in('MATRIX', 'DECISION', 'TRAINPRIOR',
    'DATAPRIOR', 'DECPRIOR');
76 10939  label _TYPE_ = "%sysfunc(sasmsg(sashelp.dmine, rpt_t
   ype_vlabel,     NOQUOTE))" VARIABLE = "%sysfunc(sasmsg(sash
   elp.dmine, rpt_variable_vlabel, NOQUOTE))" LABEL = "%sysfun
   c(sasmsg(sashelp.dmine, meta_label_vlabel, NOQUOTE))";
77 10940  title9 ' ';
78 10941  title10 "%sysfunc(sasmsg(sashelp.dmine, rpt_predDecV
   ars_title  , NOQUOTE))";
79 10942  run;
80
81 NOTE: There were 3 observations read from the data set EMWS
   1.REG2_PERCENT_VACCINAT_DM.
82       WHERE _type_ not in ('DATAPRIOR', 'DECISION', 'DECPRI
   OR', 'MATRIX', 'TRAINPRIOR');
83 NOTE: The PROCEDURE PRINT printed page 2.
84 NOTE: PROCEDURE PRINT used (Total process time):
85       real time           0.00 seconds
86       cpu time            0.00 seconds
87
88
89 10943  title10;
90
```

```
 91 NOTE: There were 3 observations read from the data set EMWS
    1.REG2_PERCENT_VACCINAT_DD.
 92 NOTE: The data set WORK.PERCENT_VACCINATED has 3 observatio
    ns and 1 variables.
 93 NOTE: There were 3 observations read from the data set EMWS
    1.REG2_PERCENT_VACCINAT_DD.
 94 NOTE: The data set WORK.PERCENT_VACCINATED has 3 observatio
    ns and 1 variables.
 95 10953  *-------------------------------------------------
    ---------*;
 96 10954  * Reg2: Create decision matrix;
 97 10955  *-------------------------------------------------
    ---------*;
 98 10956  data WORK.percent_vaccinated(label="percent_vaccinat
    ed");
 99 10957    length   percent_vaccinated                    8
100 10958            ;
101 10959
102 10960   percent_vaccinated=25.6;
103 10961  output;
104 10962   percent_vaccinated=77.2;
105 10963  output;
106 10964   percent_vaccinated=51.8875882946519;
107 10965  output;
108 10966  ;
109 10967  run;
110
111 NOTE: The data set WORK.PERCENT_VACCINATED has 3 observatio
    ns and 1 variables.
112 NOTE: DATA statement used (Total process time):
113       real time           0.00 seconds
114       cpu time            0.00 seconds
115
116
117 10968  proc datasets lib=work nolist;
118 10969  modify percent_vaccinated(type=PROFIT label=percent_
```

```
    vaccinated);
119 10970  run;
120
121 NOTE: MODIFY was successful for WORK.PERCENT_VACCINATED.DAT
    A.
122 10971  quit;
123
124 NOTE: PROCEDURE DATASETS used (Total process time):
125       real time           0.06 seconds
126       cpu time            0.00 seconds
127
128
129 10972  data EM_DMREG / view=EM_DMREG;
130 10973  set EMWS1.Varsel_TRAIN(keep=
131 10974  appartments_per_1000_persons entities_registered_per
    _10k_pers forests_area
132 10975  installations_bathroom installations_central_heating
     installations_network_gas
133 10976  installations_toilet installations_watersupply net_m
    igrations_per_1000_persons
134 10977  net_scholarization percent_vaccinated persons_per_ap
    partment persons_per_room
135 10978  population_density population_per_pharmacy revenues_
    per_capita
136 10979  revenues_per_capita_CIT revenues_per_capita_PIT unem
    ployment_rate
137 10980  unemployment_rate_f unemployment_rate_m urbanization
    _rate);
138 10981  run;
139
140 NOTE: DATA STEP view saved on file WORK.EM_DMREG.
141 NOTE: A stored DATA STEP view cannot run under a different
    operating system.
142 NOTE: View EMWS1.VARSEL_TRAIN.VIEW used (Total process time
    ):
143       real time           0.02 seconds
```

```
144        cpu time            0.00 seconds
145
146  NOTE: DATA statement used (Total process time):
147        real time           0.02 seconds
148        cpu time            0.00 seconds
149
150
151  10982  *-------------------------------------------------
     ---------* ;
152  10983  * Reg2: DMDBClass Macro ;
153  10984  *-------------------------------------------------
     ---------* ;
154  10985  %macro DMDBClass;
155  10986
156  10987  %mend DMDBClass;
157  10988  *-------------------------------------------------
     ---------* ;
158  10989  * Reg2: DMDBVar Macro ;
159  10990  *-------------------------------------------------
     ---------* ;
160  10991  %macro DMDBVar;
161  10992       appartments_per_1000_persons entities_registered
     _per_10k_pers forests_area
162  10993     installations_bathroom installations_central_heat
     ing installations_network_gas
163  10994     installations_toilet installations_watersupply ne
     t_migrations_per_1000_persons
164  10995     net_scholarization percent_vaccinated persons_per
     _appartment persons_per_room
165  10996     population_density population_per_pharmacy revenu
     es_per_capita
166  10997     revenues_per_capita_CIT revenues_per_capita_PIT u
     nemployment_rate
167  10998     unemployment_rate_f unemployment_rate_m urbanizat
     ion_rate
168  10999  %mend DMDBVar;
```

```
169 11000  *-------------------------------------------------
    ---------*;
170 11001  * Reg2: Create DMDB;
171 11002  *-------------------------------------------------
    ---------*;
172 11003  proc dmdb batch data=WORK.EM_DMREG
173 11004  dmdbcat=WORK.Reg2_DMDB
174 11005  maxlevel = 513
175 11006  ;
176 11007  var %DMDBVar;
177 11008  target
178 11009  percent_vaccinated
179 11010  ;
180 11011  run;
181
182 NOTE: Variable _WARN_ is uninitialized.
183 NOTE: Records processed = 991   Memory used = 511K.
184 NOTE: There were 991 observations read from the data set EM
    WS1.PART2_TRAIN.
185 NOTE: View WORK.EM_DMREG.VIEW used (Total process time):
186       real time           0.06 seconds
187       cpu time            0.00 seconds
188
189 NOTE: There were 991 observations read from the data set EM
    WS1.VARSEL_TRAIN.
190 NOTE: There were 991 observations read from the data set WO
    RK.EM_DMREG.
191 NOTE: PROCEDURE DMDB used (Total process time):
192       real time           0.07 seconds
193       cpu time            0.00 seconds
194
195
196 11012  quit;
197 11013  *--- end code ---*;
198
199 11014  *-------------------------------------------------
```

```
    ---------*;
200 11015  * Reg2: Run DMREG procedure;
201 11016  *-------------------------------------------------
    ---------*;
202 11017  proc dmreg data=EM_DMREG dmdbcat=WORK.Reg2_DMDB
203 11018  validata = EMWS1.Varsel_VALIDATE
204 11019  outest = EMWS1.Reg2_EMESTIMATE
205 11020  outterms = EMWS1.Reg2_OUTTERMS
206 11021  outmap= EMWS1.Reg2_MAPDS namelen=200
207 11022  ;
208 11023  class
209 11024  ;
210 11025  model percent_vaccinated =
211 11026  appartments_per_1000_persons
212 11027  entities_registered_per_10k_pers
213 11028  forests_area
214 11029  installations_bathroom
215 11030  installations_central_heating
216 11031  installations_network_gas
217 11032  installations_toilet
218 11033  installations_watersupply
219 11034  net_migrations_per_1000_persons
220 11035  net_scholarization
221 11036  persons_per_appartment
222 11037  persons_per_room
223 11038  population_density
224 11039  population_per_pharmacy
225 11040  revenues_per_capita
226 11041  revenues_per_capita_CIT
227 11042  revenues_per_capita_PIT
228 11043  unemployment_rate
229 11044  unemployment_rate_f
230 11045  unemployment_rate_m
231 11046  urbanization_rate
232 11047  /error=normal
233 11048  coding=GLM
```

```
234  11049  nodesignprint
235  11050  selection=STEPWISE choose=NONE
236  11051  Hierarchy=CLASS
237  11052  Rule=NONE
238  11053  ;
239  11054  ;
240  11055  score data=EMWS1.Varsel_TEST
241  11056  out=_null_
242  11057  outfit=EMWS1.Reg2_FITTEST
243  11058  role = TEST
244  11059  ;
245  11060  code file="E:\Personal\WEC - UW\wec_covid19\Workspac
       es\EMWS1\Reg2\EMPUBLISHSCORE.sas"
246  11061  group=Reg2
247  11062  ;
248  11063  code file="E:\Personal\WEC - UW\wec_covid19\Workspac
       es\EMWS1\Reg2\EMFLOWSCORE.sas"
249  11064  group=Reg2
250  11065  residual
251  11066  ;
252  11067  run;
253
254  NOTE: Variable _WARN_ is uninitialized.
255  NOTE: 9 observations in the training data were not used due
        to missing values in the target or input variables or to i
       nvalid frequency values.
256  NOTE: The training data contains 9 cases that have missing
       input values. The fit statistics in the OUTEST= data set (w
       hich are based on all cases) might differ from those in the
        printed output (which are based only on cases with no miss
       ing inputs).
257  NOTE: Variable _WARN_ is uninitialized.
258  NOTE: Variable _WARN_ is uninitialized.
259  NOTE: External file E:\Personal\WEC - UW\wec_covid19\Worksp
       aces\EMWS1\Reg2\EMPUBLISHSCORE.sas opened.
260  NOTE: External file E:\Personal\WEC - UW\wec_covid19\Worksp
```

```
    aces\EMWS1\Reg2\EMFLOWSCORE.sas opened.
261 NOTE: View EMWS1.VARSEL_TEST.VIEW used (Total process time)
    :
262       real time           0.19 seconds
263       cpu time            0.04 seconds
264
265 NOTE: There were 743 observations read from the data set EM
    WS1.PART2_TEST.
266 NOTE: View EMWS1.VARSEL_VALIDATE.VIEW used (Total process t
    ime):
267       real time           0.23 seconds
268       cpu time            0.04 seconds
269
270 NOTE: There were 743 observations read from the data set EM
    WS1.PART2_VALIDATE.
271 NOTE: There were 991 observations read from the data set EM
    WS1.PART2_TRAIN.
272 NOTE: View WORK.EM_DMREG.VIEW used (Total process time):
273       real time           0.28 seconds
274       cpu time            0.04 seconds
275
276 NOTE: There were 991 observations read from the data set EM
    WS1.VARSEL_TRAIN.
277 NOTE: There were 991 observations read from the data set WO
    RK.EM_DMREG.
278 NOTE: There were 743 observations read from the data set EM
    WS1.VARSEL_VALIDATE.
279 NOTE: There were 743 observations read from the data set EM
    WS1.VARSEL_TEST.
280 NOTE: The data set EMWS1.REG2_EMESTIMATE has 45 observation
    s and 56 variables.
281 NOTE: The data set EMWS1.REG2_OUTTERMS has 14 observations
    and 5 variables.
282 NOTE: The data set EMWS1.REG2_MAPDS has 2 observations and
    23 variables.
283 NOTE: The data set EMWS1.REG2_FITTEST has 14 observations a
```

```
    nd 14 variables.
284 NOTE: The PROCEDURE DMREG printed page 3.
285 NOTE: PROCEDURE DMREG used (Total process time):
286       real time           0.31 seconds
287       cpu time            0.06 seconds
288
289
290 11068  quit;
291
292 11069  proc datasets lib=WORK nolist;
293 11070  delete Reg2_DMDB;
294 11071  run;
295
296 NOTE: The file WORK.REG2_DMDB (memtype=DATA) was not found,
     but appears on a DELETE statement.
297 11072  quit;
298
299 NOTE: PROCEDURE DATASETS used (Total process time):
300       real time           0.00 seconds
301       cpu time            0.00 seconds
302
303
304 11073  proc datasets lib=WORK nolist;
305 11074  delete Reg2_DMDB / memtype=catalog;
306 11075  run;
307
308 NOTE: Deleting WORK.REG2_DMDB (memtype=CATALOG).
309 11076  quit;
310
311 NOTE: PROCEDURE DATASETS used (Total process time):
312       real time           0.01 seconds
313       cpu time            0.00 seconds
314
315
316 11077  data WORK.ESTIMATE;
317 11078  length _NAME_ $32;
```

```
318  11079  set EMWS1.Reg2_EMESTIMATE;
319  11080  drop _AIC_--_VSUMW_
320  11081  ;
321  11082  where _CHOSEN_ ne '' and _TYPE_ in('PARMS', 'T', 'P'
     );
322  11083  drop _STEP_ _CHOSEN_;
323  11084  select(_TYPE_);
324  11085  when('PARMS') _NAME_='Coefficient';
325  11086  when('T') _NAME_='tValue';
326  11087  when('P') _NAME_='PValue';
327  11088  otherwise;
328  11089  end;
329  11090  run;
330
331  NOTE: There were 3 observations read from the data set EMWS
     1.REG2_EMESTIMATE.
332        WHERE (_CHOSEN_ not = ' ') and _TYPE_ in ('P', 'PARMS
     ', 'T');
333  NOTE: The data set WORK.ESTIMATE has 3 observations and 24
     variables.
334  NOTE: DATA statement used (Total process time):
335        real time           0.00 seconds
336        cpu time            0.00 seconds
337
338
339  11091  proc transpose data=WORK.ESTIMATE out=WORK.ESTIMATE(
     rename=(_NAME_=Effect));
340  11092  run;
341
342  NOTE: There were 3 observations read from the data set WORK
     .ESTIMATE.
343  NOTE: The data set WORK.ESTIMATE has 22 observations and 5
     variables.
344  NOTE: PROCEDURE TRANSPOSE used (Total process time):
345        real time           0.03 seconds
346        cpu time            0.00 seconds
```

```
347
348
349 11093  proc transpose data=EMWS1.Reg2_MAPDS out=WORK.MAP(re
    name=(_NAME_=Effect INPUT=Variable
350 11094  ));
351 11095  var 'appartments_per_1000_persons'n--'urbanization_r
    ate'n;
352 11096  run;
353
354 NOTE: There were 2 observations read from the data set EMWS
    1.REG2_MAPDS.
355 NOTE: The data set WORK.MAP has 21 observations and 3 varia
    bles.
356 NOTE: PROCEDURE TRANSPOSE used (Total process time):
357       real time           0.01 seconds
358       cpu time            0.00 seconds
359
360
361 11097  proc sort data=WORK.MAP;
362 11098  by Effect;
363 11099  run;
364
365 NOTE: There were 21 observations read from the data set WOR
    K.MAP.
366 NOTE: The data set WORK.MAP has 21 observations and 3 varia
    bles.
367 NOTE: PROCEDURE SORT used (Total process time):
368       real time           0.01 seconds
369       cpu time            0.00 seconds
370
371
372 11100  proc sort data=WORK.ESTIMATE;
373 11101  by Effect;
374 11102  run;
375
376 NOTE: There were 22 observations read from the data set WOR
```

```
    K.ESTIMATE.
377 NOTE: The data set WORK.ESTIMATE has 22 observations and 5
    variables.
378 NOTE: PROCEDURE SORT used (Total process time):
379       real time           0.01 seconds
380       cpu time            0.00 seconds
381
382
383 11103  data EMWS1.Reg2_EFFECTS(rename=(_LABEL_=EffectLabel)
    );
384 11104  length Variable ClassLevel $32;
385 11105  merge WORK.ESTIMATE WORK.MAP;
386 11106  by Effect;
387 11107  label Effect = "%sysfunc(sasmsg(sashelp.dmine, rpt_e
    ffect_vlabel, NOQUOTE))" Variable = "%sysfunc(sasmsg(sashel
    p.dmine, rpt_variable_vlabel, NOQUOTE))" Sign = "%sysfunc(s
    asmsg(sashelp.dmine, rpt_sign_vlabel, NOQUOTE))" ClassLevel
     =
388 11108     "%sysfunc(sasmsg(sashelp.dmine, rpt_level_vlabel,
     NOQUOTE))" Abscoefficient = "%sysfunc(sasmsg(sashelp.dmine
    , rpt_abscoefficient_vlabel, NOQUOTE))" Coefficient = "%sys
    func(sasmsg(sashelp.dmine, rpt_coefficient_vlabel, NOQUOTE)
    )" _LABEL_ =
389 11109     "%sysfunc(sasmsg(sashelp.dmine, rpt_effectLabel_v
    label, NOQUOTE))" CODE = "%sysfunc(sasmsg(sashelp.dmine, rp
    t_scorecodevar_vlabel, NOQUOTE))";
390 11110  label tvalue = "%sysfunc(sasmsg(sashelp.dmine, rpt_t
    value_vlabel,         NOQUOTE))" abstvalue = "%sysfunc(sasm
    sg(sashelp.dmine, rpt_absoluteTvalue_vlabel, NOQUOTE))" PVa
    lue = "%sysfunc(sasmsg(sashelp.dmine, rpt_pvalue_vlabel,
          NOQUOTE))";
391 11111  abstvalue = abs(tValue);
392 11112  if index(Effect, 'Intercept') then do;
393 11113  variable = 'Intercept';
394 11114  classLevel = scan(_LABEL_, 2, '=');
395 11115  end;
```

```
396 11116  if ^indexc(variable, '*') then do;
397 11117  if length(effect)>length(variable) then classlevel =
     substr(Effect, length(variable)+1);
398 11118  end;
399 11119  if Effect eq '' then Effect = Variable;
400 11120  if coefficient < 0 then sign = '-';
401 11121  else sign = '+';
402 11122  abscoefficient = abs(coefficient);
403 11123  if _LABEL_ = '' then _LABEL_ = Effect;
404 11124  if coefficient ne . then output;
405 11125  run;
406
407 NOTE: Missing values were generated as a result of performi
    ng an operation on missing values.
408       Each place is given by: (Number of times) at (Line):(
    Column).
409       8 at 11111:13   8 at 11122:18
410 NOTE: There were 22 observations read from the data set WOR
    K.ESTIMATE.
411 NOTE: There were 21 observations read from the data set WOR
    K.MAP.
412 NOTE: The data set EMWS1.REG2_EFFECTS has 14 observations a
    nd 11 variables.
413 NOTE: DATA statement used (Total process time):
414       real time           0.09 seconds
415       cpu time            0.00 seconds
416
417
418 11126  proc sort data =EMWS1.Reg2_EFFECTS;
419 11127  by
420 11128  descending abstvalue;
421 11129  run;
422
423 NOTE: There were 14 observations read from the data set EMW
    S1.REG2_EFFECTS.
424 NOTE: The data set EMWS1.REG2_EFFECTS has 14 observations a
```

```
    nd 11 variables.
425 NOTE: PROCEDURE SORT used (Total process time):
426       real time           0.04 seconds
427       cpu time            0.00 seconds
428
429
430 11130  data EMWS1.Reg2_EFFECTS;
431 11131  set EMWS1.Reg2_EFFECTS;
432 11132  format TEffectNum 3.;
433 11133  label TEffectNum = "%sysfunc(sasmsg(sashelp.dmine, r
    pt_teffectnum_vlabel, NOQUOTE))";
434 11134  retain TEffectNum;
435 11135  TEffectNum = _N_;
436 11136  run;
437
438 NOTE: There were 14 observations read from the data set EMW
    S1.REG2_EFFECTS.
439 NOTE: The data set EMWS1.REG2_EFFECTS has 14 observations a
    nd 12 variables.
440 NOTE: DATA statement used (Total process time):
441       real time           0.01 seconds
442       cpu time            0.00 seconds
443
444
445 11137  proc sort data =EMWS1.Reg2_EFFECTS;
446 11138  by
447 11139  descending absCoefficient;
448 11140  run;
449
450 NOTE: There were 14 observations read from the data set EMW
    S1.REG2_EFFECTS.
451 NOTE: The data set EMWS1.REG2_EFFECTS has 14 observations a
    nd 12 variables.
452 NOTE: PROCEDURE SORT used (Total process time):
453       real time           0.01 seconds
454       cpu time            0.00 seconds
```

```
455
456
457 11141  data EMWS1.Reg2_EFFECTS;
458 11142  set EMWS1.Reg2_EFFECTS;
459 11143  format EffectNum 3.;
460 11144  label EffectNum = "%sysfunc(sasmsg(sashelp.dmine, rp
    t_effectnum_vlabel, NOQUOTE))";
461 11145  retain EffectNum;
462 11146  EffectNum = _N_;
463 11147  run;
464
465 NOTE: There were 14 observations read from the data set EMW
    S1.REG2_EFFECTS.
466 NOTE: The data set EMWS1.REG2_EFFECTS has 14 observations a
    nd 13 variables.
467 NOTE: DATA statement used (Total process time):
468       real time           0.01 seconds
469       cpu time            0.00 seconds
470
471
472 11148  proc transpose data=EMWS1.Reg2_EMESTIMATE out=EMWS1.
    Reg2_ESTIMATEGRID(rename=(PARMS=Coefficient T=TValue _NAME_
    =Effect _LABEL_=EffectLabel));
473 11149  where _CHOSEN_ eq '' and _TYPE_ in('PARMS', 'T', 'P'
    );
474 11150  var 'appartments_per_1000_persons'n--'urbanization_r
    ate'n;
475 11151  by _STEP_;
476 11152  id _TYPE_;
477 11153  run;
478
479 WARNING: The variable _LABEL_ in the DROP, KEEP, or RENAME
    list has never been referenced.
480 NOTE: There were 42 observations read from the data set EMW
    S1.REG2_EMESTIMATE.
481       WHERE (_CHOSEN_=' ') and _TYPE_ in ('P', 'PARMS', 'T'
```

```
    );
482 NOTE: The data set EMWS1.REG2_ESTIMATEGRID has 294 observat
    ions and 5 variables.
483 NOTE: PROCEDURE TRANSPOSE used (Total process time):
484       real time           0.03 seconds
485       cpu time            0.00 seconds
486
487
488 11154  data EMWS1.Reg2_ESTIMATEGRID;
489 11155  set EMWS1.Reg2_ESTIMATEGRID;
490 11156  if EffectLabel eq '' then EffectLabel = Effect;
491 11157  label EffectLabel = "%sysfunc(sasmsg(sashelp.dmine,
    rpt_effectLabel_vlabel, NOQUOTE))" Effect = "%sysfunc(sasms
    g(sashelp.dmine, rpt_effect_vlabel, NOQUOTE))" Abscoefficie
    nt = "%sysfunc(sasmsg(sashelp.dmine, rpt_abscoefficient_vla
    bel, NOQUOTE))"
492 11158     Coefficient = "%sysfunc(sasmsg(sashelp.dmine, rpt
    _coefficient_vlabel, NOQUOTE))" tvalue = "%sysfunc(sasmsg(s
    ashelp.dmine, rpt_tvalue_vlabel,         NOQUOTE))" abstval
    ue = "%sysfunc(sasmsg(sashelp.dmine, rpt_absoluteTvalue_vla
    bel, NOQUOTE))"
493 11158! PValue =
494 11159     "%sysfunc(sasmsg(sashelp.dmine, rpt_pvalue_vlabel
    ,         NOQUOTE))";
495 11160  AbsCoefficient = abs(Coefficient);
496 11161  AbsTValue = abs(TValue);
497 11162  where coefficient ne .;
498 11163  run;
499
500 NOTE: Variable PValue is uninitialized.
501 NOTE: There were 91 observations read from the data set EMW
    S1.REG2_ESTIMATEGRID.
502       WHERE coefficient not = .;
503 NOTE: The data set EMWS1.REG2_ESTIMATEGRID has 91 observati
    ons and 8 variables.
504 NOTE: DATA statement used (Total process time):
```

```
505       real time           0.03 seconds
506       cpu time            0.00 seconds
507
508
509 *------------------------------------------------------------
    --*
510 * Score Log
511 Date:                May 11, 2024
512 Time:                18:45:32
513 *------------------------------------------------------------
    --*
514 11265  proc transpose data=EMWS1.Reg2_EMESTIMATE out=WORK.T
    EMPREG;
515 11266  where _CHOSEN_ ne '' and _TYPE_='PARMS';
516 11267  run;
517
518 NOTE: There were 1 observations read from the data set EMWS
    1.REG2_EMESTIMATE.
519       WHERE (_CHOSEN_ not = ' ') and (_TYPE_='PARMS');
520 NOTE: The data set WORK.TEMPREG has 53 observations and 3 v
    ariables.
521 NOTE: PROCEDURE TRANSPOSE used (Total process time):
522       real time           0.05 seconds
523       cpu time            0.00 seconds
524
525
526 11268  proc transpose data=EMWS1.Reg2_MAPDS out=WORK.TEMPRE
    G2(rename=(TARGET=_TARGET_));
527 11269  var "appartments_per_1000_persons"n--"urbanization_r
    ate"n;
528 11270  run;
529
530 WARNING: The variable TARGET in the DROP, KEEP, or RENAME l
    ist has never been referenced.
531 NOTE: There were 2 observations read from the data set EMWS
    1.REG2_MAPDS.
```

```
532 NOTE: The data set WORK.TEMPREG2 has 21 observations and 3
    variables.
533 NOTE: PROCEDURE TRANSPOSE used (Total process time):
534       real time           0.01 seconds
535       cpu time            0.00 seconds
536
537
538 11271  proc sort data=WORK.TEMPREG NOTHREADS;
539 11272  by _NAME_;
540 11273  run;
541
542 NOTE: There were 53 observations read from the data set WOR
    K.TEMPREG.
543 NOTE: The data set WORK.TEMPREG has 53 observations and 3 v
    ariables.
544 NOTE: PROCEDURE SORT used (Total process time):
545       real time           0.01 seconds
546       cpu time            0.00 seconds
547
548
549 11274  proc sort data=WORK.TEMPREG2 NOTHREADS;
550 11275  by _NAME_;
551 11276  run;
552
553 NOTE: There were 21 observations read from the data set WOR
    K.TEMPREG2.
554 NOTE: The data set WORK.TEMPREG2 has 21 observations and 3
    variables.
555 NOTE: PROCEDURE SORT used (Total process time):
556       real time           0.00 seconds
557       cpu time            0.00 seconds
558
559
560 11277  data WORK.TEMPREG3;
561 11278  merge WORK.TEMPREG(in=ina) WORK.TEMPREG2(in=inb);
562 11279  by _NAME_;
```

```
563 11280  if (ina and inb) and percent_vaccinated ne . then ou
    tput;
564 11281  run;
565
566 NOTE: There were 53 observations read from the data set WOR
    K.TEMPREG.
567 NOTE: There were 21 observations read from the data set WOR
    K.TEMPREG2.
568 NOTE: The data set WORK.TEMPREG3 has 13 observations and 5
    variables.
569 NOTE: DATA statement used (Total process time):
570       real time           0.02 seconds
571       cpu time            0.00 seconds
572
573
574 11282  data WORK.TEMPREG3(KEEP=TERM);
575 11283  length term $32;
576 11284  set WORK.TEMPREG3;
577 11285  i=1;
578 11286  do while( scan(input , i, '*') ne '' );
579 11287  term= scan(input , i, '*');
580 11288  i=i+1;
581 11289  output;
582 11290  end;
583 11291  run;
584
585 NOTE: There were 13 observations read from the data set WOR
    K.TEMPREG3.
586 NOTE: The data set WORK.TEMPREG3 has 13 observations and 1
    variables.
587 NOTE: DATA statement used (Total process time):
588       real time           0.01 seconds
589       cpu time            0.00 seconds
590
591
592 11292  proc sort data=WORK.TEMPREG3 nodupkey NOTHREADS;
```

```
593 11293  by TERM;
594 11294  run;
595
596 NOTE: There were 13 observations read from the data set WOR
    K.TEMPREG3.
597 NOTE: 0 observations with duplicate key values were deleted
    .
598 NOTE: The data set WORK.TEMPREG3 has 13 observations and 1
    variables.
599 NOTE: PROCEDURE SORT used (Total process time):
600       real time           0.01 seconds
601       cpu time            0.00 seconds
602
603
604 11295  filename emflow "E:\Personal\WEC - UW\wec_covid19\Wo
    rkspaces\EMWS1\Reg2\EMFLOWSCORE.sas";
605 11296  *-------------------------------------------------
    ---------*;
606 11297  * Reg2: Scoring DATA data;
607 11298  *-------------------------------------------------
    ---------*;
608 11299  data EMWS1.Reg2_TRAIN
609 11300  / view=EMWS1.Reg2_TRAIN
610 11301  ;
611 11302  set EMWS1.Varsel_TRAIN
612 11303  ;
613 11304  %inc emflow;
614 11479  run;
615
616 NOTE: DATA STEP view saved on file EMWS1.REG2_TRAIN.
617 NOTE: A stored DATA STEP view cannot run under a different
    operating system.
618 NOTE: View EMWS1.VARSEL_TRAIN.VIEW used (Total process time
    ):
619       real time           0.01 seconds
620       cpu time            0.00 seconds
```

```
621
622 NOTE: DATA statement used (Total process time):
623       real time           0.04 seconds
624       cpu time            0.00 seconds
625
626
627 11480  quit;
628 11481  filename emflow;
629 NOTE: Fileref EMFLOW has been deassigned.
630
631 11482  filename emflow "E:\Personal\WEC - UW\wec_covid19\Wo
    rkspaces\EMWS1\Reg2\EMFLOWSCORE.sas";
632 11483  *-------------------------------------------------
    ---------*;
633 11484  * Reg2: Scoring VALIDATE data;
634 11485  *-------------------------------------------------
    ---------*;
635 11486  data EMWS1.Reg2_VALIDATE
636 11487  / view=EMWS1.Reg2_VALIDATE
637 11488  ;
638 11489  set EMWS1.Varsel_VALIDATE
639 11490  ;
640 11491  %inc emflow;
641 11666  run;
642
643 NOTE: DATA STEP view saved on file EMWS1.REG2_VALIDATE.
644 NOTE: A stored DATA STEP view cannot run under a different
    operating system.
645 NOTE: View EMWS1.VARSEL_VALIDATE.VIEW used (Total process t
    ime):
646       real time           0.03 seconds
647       cpu time            0.00 seconds
648
649 NOTE: DATA statement used (Total process time):
650       real time           0.03 seconds
651       cpu time            0.00 seconds
```

```
652
653
654 11667  quit;
655 11668  filename emflow;
656 NOTE: Fileref EMFLOW has been deassigned.
657
658 11669  filename emflow "E:\Personal\WEC - UW\wec_covid19\Wo
    rkspaces\EMWS1\Reg2\EMFLOWSCORE.sas";
659 11670  *-------------------------------------------------
    ---------*;
660 11671  * Reg2: Scoring TEST data;
661 11672  *-------------------------------------------------
    ---------*;
662 11673  data EMWS1.Reg2_TEST
663 11674  / view=EMWS1.Reg2_TEST
664 11675  ;
665 11676  set EMWS1.Varsel_TEST
666 11677  ;
667 11678  %inc emflow;
668 11853  run;
669
670 NOTE: DATA STEP view saved on file EMWS1.REG2_TEST.
671 NOTE: A stored DATA STEP view cannot run under a different
    operating system.
672 NOTE: View EMWS1.VARSEL_TEST.VIEW used (Total process time)
    :
673       real time           0.03 seconds
674       cpu time            0.00 seconds
675
676 NOTE: DATA statement used (Total process time):
677       real time           0.04 seconds
678       cpu time            0.00 seconds
679
680
681 11854  quit;
682 11855  filename emflow;
```

```
683 NOTE: Fileref EMFLOW has been deassigned.
684
685 11856  *-------------------------------------------------
    ---------*;
686 11857  * Reg2: Computing metadata for TRAIN data;
687 11858  *-------------------------------------------------
    ---------*;
688
689 NOTE: View EMWS1.REG2_TRAIN.VIEW used (Total process time):
690       real time           0.05 seconds
691       cpu time            0.03 seconds
692
693 12227  data WORK.MODELTEMP_INFO;
694 12228  set EMWS1.Reg2_EMINFO;
695 12229  where DATA='Reg2' and KEY ^in('DECDATA', 'DECMETA',
    'IMPORTANCE', 'MODEL');
696 12230  run;
697
698 NOTE: There were 0 observations read from the data set EMWS
    1.REG2_EMINFO.
699       WHERE (DATA='Reg2') and KEY not in ('DECDATA', 'DECME
    TA', 'IMPORTANCE', 'MODEL');
700 NOTE: The data set WORK.MODELTEMP_INFO has 0 observations a
    nd 3 variables.
701 NOTE: DATA statement used (Total process time):
702       real time           0.00 seconds
703       cpu time            0.00 seconds
704
705
706 12231  data EMWS1.Reg2_EMINFO;
707 12232  length TARGET KEY $32 DATA $43;
708 12233  input TARGET KEY DATA $;
709 12234  cards;
710
711 NOTE: The data set EMWS1.REG2_EMINFO has 3 observations and
     3 variables.
```

```
712 NOTE: DATA statement used (Total process time):
713       real time           0.00 seconds
714       cpu time            0.00 seconds
715
716
717 12238  run;
718 12239  data EMWS1.Reg2_EMINFO;
719 12240  set EMWS1.Reg2_EMINFO WORK.MODELTEMP_INFO;
720 12241  run;
721
722 NOTE: There were 3 observations read from the data set EMWS
    1.REG2_EMINFO.
723 NOTE: There were 0 observations read from the data set WORK
    .MODELTEMP_INFO.
724 NOTE: The data set EMWS1.REG2_EMINFO has 3 observations and
     3 variables.
725 NOTE: DATA statement used (Total process time):
726       real time           0.01 seconds
727       cpu time            0.00 seconds
728
729
730 12242  proc sort data = EMWS1.Reg2_EMINFO NOTHREADS;
731 12243  by TARGET KEY;
732 12244  run;
733
734 NOTE: There were 3 observations read from the data set EMWS
    1.REG2_EMINFO.
735 NOTE: The data set EMWS1.REG2_EMINFO has 3 observations and
     3 variables.
736 NOTE: PROCEDURE SORT used (Total process time):
737       real time           0.02 seconds
738       cpu time            0.00 seconds
739
740
741 NOTE: View EMWS1.REG2_TRAIN.VIEW used (Total process time):
742       real time           0.05 seconds
```

```
743       cpu time            0.00 seconds
744
745 NOTE: View EMWS1.REG2_VALIDATE.VIEW used (Total process tim
    e):
746       real time           0.03 seconds
747       cpu time            0.00 seconds
748
749 NOTE: View EMWS1.REG2_TEST.VIEW used (Total process time):
750       real time           0.03 seconds
751       cpu time            0.00 seconds
752
753 *------------------------------------------------------------
    --*
754 * Report Log
755 Date:                May 11, 2024
756 Time:                18:45:34
757 *------------------------------------------------------------
    --*
758 12268  data WORK.DMREGTEMP;
759 12269  set EMWS1.Reg2_EMESTIMATE;
760 12270  where _CHOSEN_ ne '';
761 12271  run;
762
763 NOTE: There were 3 observations read from the data set EMWS
    1.REG2_EMESTIMATE.
764       WHERE _CHOSEN_ not = ' ';
765 NOTE: The data set WORK.DMREGTEMP has 3 observations and 56
     variables.
766 NOTE: DATA statement used (Total process time):
767       real time           0.00 seconds
768       cpu time            0.00 seconds
769
770
771 12272  data WORK.DMREGTEMP;
772 12273  merge WORK.DMREGTEMP EMWS1.Reg2_FITTEST;
773 12274  by _step_;
```

```
774 12275  if _CHOSEN_ ne '' then output;
775 12276  run;
776
777 NOTE: There were 3 observations read from the data set WORK
    .DMREGTEMP.
778 NOTE: There were 14 observations read from the data set EMW
    S1.REG2_FITTEST.
779 NOTE: The data set WORK.DMREGTEMP has 3 observations and 69
     variables.
780 NOTE: DATA statement used (Total process time):
781       real time           0.01 seconds
782       cpu time            0.00 seconds
783
784
785 12277  data EMWS1.Reg2_EMOUTFIT;
786 12278  length TARGET $32;
787 12279  set WORK.DMREGTEMP end=eof;
788 12280  where (_TYPE_='PARMS');
789 12281  drop _STEP_--urbanization_rate;
790 12282  if eof then do;
791 12283  TARGET = "percent_vaccinated";
792 12284  output;
793 12285  end;
794 12286  run;
795
796 NOTE: There were 1 observations read from the data set WORK
    .DMREGTEMP.
797       WHERE _TYPE_='PARMS';
798 NOTE: The data set EMWS1.REG2_EMOUTFIT has 1 observations a
    nd 44 variables.
799 NOTE: DATA statement used (Total process time):
800       real time           0.01 seconds
801       cpu time            0.00 seconds
802
803
804 12287  data EMWS1.Reg2_EMOUTFIT;
```

```
805  12288  set EMWS1.Reg2_EMOUTFIT;
806  12289  length TargetLabel $200;
807  12290  label targetLabel = "%sysfunc(sasmsg(sashelp.dmine,
     meta_targetlabel_vlabel, NOQUOTE))";
808  12291  run;
809
810  NOTE: Variable TargetLabel is uninitialized.
811  NOTE: There were 1 observations read from the data set EMWS
     1.REG2_EMOUTFIT.
812  NOTE: The data set EMWS1.REG2_EMOUTFIT has 1 observations a
     nd 45 variables.
813  NOTE: DATA statement used (Total process time):
814        real time           0.01 seconds
815        cpu time            0.00 seconds
816
817
818  12292  proc sort data=EMWS1.Reg2_EMREPORTFIT nothreads;
819  12293  by TARGET;
820  12294  run;
821
822  NOTE: There were 19 observations read from the data set EMW
     S1.REG2_EMREPORTFIT.
823  NOTE: The data set EMWS1.REG2_EMREPORTFIT has 19 observatio
     ns and 7 variables.
824  NOTE: PROCEDURE SORT used (Total process time):
825        real time           0.01 seconds
826        cpu time            0.00 seconds
827
828
829  12295  %let _EMwarndup = 0;
830  12296  %let _EMtargetdup =;
831  12297  %let _EMASEtargetdup =;
832  12298  data _null_;
833  12299  set EMWS1.Reg2_EMOUTFIT;
834  12300  if .<_ASE_<0.000001 then do;
835  12301  call symput('_EMwarndup', '1');
```

```
836 12302  call symput('_EMtargetdup', target);
837 12303  call symput('_EMASEtargetdup', put(_ASE_, best.));
838 12304  end;
839 12305  run;
840
841 NOTE: There were 1 observations read from the data set EMWS
    1.REG2_EMOUTFIT.
842 NOTE: DATA statement used (Total process time):
843       real time           0.00 seconds
844       cpu time            0.00 seconds
845
846
847 12306  proc sort data=EMWS1.Varsel_CMeta_TRAIN out=WORK.SUB
    SETINMETA;
848 12307  by NAME;
849 12308  run;
850
851 NOTE: There were 24 observations read from the data set EMW
    S1.VARSEL_CMETA_TRAIN.
852 NOTE: The data set WORK.SUBSETINMETA has 24 observations an
    d 20 variables.
853 NOTE: PROCEDURE SORT used (Total process time):
854       real time           0.00 seconds
855       cpu time            0.00 seconds
856
857
858 12309  proc sort data=EMWS1.Reg2_VariableSet out=WORK.SUBSE
    TVARSET(keep=NAME REPORT);
859 12310  by NAME;
860 12311  run;
861
862 NOTE: There were 22 observations read from the data set EMW
    S1.REG2_VARIABLESET.
863 NOTE: The data set WORK.SUBSETVARSET has 22 observations an
    d 2 variables.
864 NOTE: PROCEDURE SORT used (Total process time):
```

```
865       real time           0.01 seconds
866       cpu time            0.00 seconds
867
868
869  12312  data WORK.ASSESS_META;
870  12313  merge WORK.SUBSETINMETA WORK.SUBSETVARSET;
871  12314  by NAME;
872  12315  run;
873
874  NOTE: There were 24 observations read from the data set WOR
     K.SUBSETINMETA.
875  NOTE: There were 22 observations read from the data set WOR
     K.SUBSETVARSET.
876  NOTE: The data set WORK.ASSESS_META has 24 observations and
      20 variables.
877  NOTE: DATA statement used (Total process time):
878       real time           0.01 seconds
879       cpu time            0.00 seconds
880
881
882  12316  data EM_temp_assessMeta;
883  12317  set EMWS1.Reg2_CMeta_TRAIN;
884  12318  where role in('DECISION', 'PREDICT', 'RESIDUAL', 'CL
     ASSIFICATION', 'ASSESS', 'COST');
885  12319  run;
886
887  NOTE: There were 3 observations read from the data set EMWS
     1.REG2_CMETA_TRAIN.
888       WHERE role in ('ASSESS', 'CLASSIFICATION', 'COST', 'D
     ECISION', 'PREDICT', 'RESIDUAL');
889  NOTE: The data set WORK.EM_TEMP_ASSESSMETA has 3 observatio
     ns and 21 variables.
890  NOTE: DATA statement used (Total process time):
891       real time           0.00 seconds
892       cpu time            0.00 seconds
893
```

```
894
895 12320  data EM_temp_assessdata;
896 12321  set EMWS1.Reg2_TRAIN(keep=
897 12322  P_percent_vaccinated
898 12323  R_percent_vaccinated
899 12324  _WARN_
900 12325  percent_vaccinated
901 12326  );
902 12327  run;
903
904 NOTE: Variable _WARN_ is uninitialized.
905 NOTE: There were 991 observations read from the data set EM
    WS1.PART2_TRAIN.
906 NOTE: View EMWS1.REG2_TRAIN.VIEW used (Total process time):
907       real time           0.03 seconds
908       cpu time            0.00 seconds
909
910 NOTE: There were 991 observations read from the data set EM
    WS1.VARSEL_TRAIN.
911 NOTE: There were 991 observations read from the data set EM
    WS1.REG2_TRAIN.
912 NOTE: The data set WORK.EM_TEMP_ASSESSDATA has 991 observat
    ions and 4 variables.
913 NOTE: DATA statement used (Total process time):
914       real time           0.04 seconds
915       cpu time            0.00 seconds
916
917
918
919
920
921
922
923
924
925 16658  data EM_temp_assessMeta;
```

```
926 16659  set EMWS1.Reg2_CMeta_TRAIN;
927 16660  where role in('DECISION', 'PREDICT', 'RESIDUAL', 'CL
    ASSIFICATION', 'ASSESS', 'COST');
928 16661  run;
929
930 NOTE: There were 3 observations read from the data set EMWS
    1.REG2_CMETA_TRAIN.
931       WHERE role in ('ASSESS', 'CLASSIFICATION', 'COST', 'D
    ECISION', 'PREDICT', 'RESIDUAL');
932 NOTE: The data set WORK.EM_TEMP_ASSESSMETA has 3 observatio
    ns and 21 variables.
933 NOTE: DATA statement used (Total process time):
934       real time           0.00 seconds
935       cpu time            0.00 seconds
936
937
938 16662  data EM_temp_assessdata;
939 16663  set EMWS1.Reg2_VALIDATE(keep=
940 16664  P_percent_vaccinated
941 16665  R_percent_vaccinated
942 16666  _WARN_
943 16667  percent_vaccinated
944 16668  );
945 16669  run;
946
947 NOTE: Variable _WARN_ is uninitialized.
948 NOTE: There were 743 observations read from the data set EM
    WS1.PART2_VALIDATE.
949 NOTE: View EMWS1.REG2_VALIDATE.VIEW used (Total process tim
    e):
950       real time           0.04 seconds
951       cpu time            0.01 seconds
952
953 NOTE: There were 743 observations read from the data set EM
    WS1.VARSEL_VALIDATE.
954 NOTE: There were 743 observations read from the data set EM
```

```
    WS1.REG2_VALIDATE.
955 NOTE: The data set WORK.EM_TEMP_ASSESSDATA has 743 observat
    ions and 4 variables.
956 NOTE: DATA statement used (Total process time):
957       real time           0.06 seconds
958       cpu time            0.01 seconds
959
960
961
962
963
964
965
966
967
968 21010  %let _cn = %sysfunc(getoption(CENTER));
969 21011  options nocenter;
970 21012  proc print data=EMWS1.Reg2_EMREPORTFIT noobs label;
971 21013  var STAT LABEL TRAIN
972 21014  VALIDATE
973 21015  TEST
974 21016  ;
975 21017  by TARGET TARGETLABEL;
976 21018  title9 ' ';
977 21019  title10 "%sysfunc(sasmsg(sashelp.dmine, rpt_fitstat_
    title  , NOQUOTE))";
978 21020  run;
979
980 NOTE: There were 19 observations read from the data set EMW
    S1.REG2_EMREPORTFIT.
981 NOTE: The PROCEDURE PRINT printed page 4.
982 NOTE: PROCEDURE PRINT used (Total process time):
983       real time           0.00 seconds
984       cpu time            0.00 seconds
985
986
```

```
 987 21021  title10;
 988 21022  options &_cn;
 989
 990 21023  proc datasets library=EMWS1 nolist;
 991 21024  modify Reg2_EMRANK;
 992 21025  label target = "%sysfunc(sasmsg(sashelp.dmine, rpt_t
     argetvar_vlabel ,   NOQUOTE))";
 993 21026  label datarole = "%sysfunc(sasmsg(sashelp.dmine, rpt
     _datarole_vlabel ,    NOQUOTE))";
 994 21027  run;
 995
 996 NOTE: MODIFY was successful for EMWS1.REG2_EMRANK.DATA.
 997 21028  quit;
 998
 999 NOTE: PROCEDURE DATASETS used (Total process time):
1000       real time           0.00 seconds
1001       cpu time            0.00 seconds
1002
1003
1004 21029  %let _cn = %sysfunc(getoption(CENTER));
1005 21030  options nocenter;
1006 21031  proc print data=EMWS1.Reg2_EMRANK label noobs;
1007 21032  var
1008 21033  decile N _targetMean_ _meanP_;
1009 21034  by
1010 21035  notsorted DATAROLE
1011 21036  notsorted TARGET
1012 21037  notsorted TARGETLABEL
1013 21038  ;
1014 21039  title9 ' ';
1015 21040  title10 "%sysfunc(sasmsg(sashelp.dmine, rpt_scoreran
     king_title , NOQUOTE))";
1016 21041  run;
1017
1018 NOTE: There were 40 observations read from the data set EMW
     S1.REG2_EMRANK.
```

```
1019 NOTE: The PROCEDURE PRINT printed page 5.
1020 NOTE: PROCEDURE PRINT used (Total process time):
1021       real time           0.00 seconds
1022       cpu time            0.00 seconds
1023
1024
1025 21042  title10;
1026 21043  options &_cn;
1027
1028 21044  proc datasets library=EMWS1 nolist;
1029 21045  modify Reg2_EMSCOREDIST;
1030 21046  label target = "%sysfunc(sasmsg(sashelp.dmine, rpt_t
     argetvar_vlabel ,      NOQUOTE))";
1031 21047  label datarole = "%sysfunc(sasmsg(sashelp.dmine, rpt
     _datarole_vlabel ,    NOQUOTE))";
1032 21048  run;
1033
1034 NOTE: MODIFY was successful for EMWS1.REG2_EMSCOREDIST.DATA
     .
1035 21049  quit;
1036
1037 NOTE: PROCEDURE DATASETS used (Total process time):
1038       real time           0.00 seconds
1039       cpu time            0.00 seconds
1040
1041
```