

```

1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
NOTE: SAS Studio 環境の ODS
ステートメントは一部の出力機能を無効にします。
73
74      /* Lesson Reg0601b */
75      /* File Name = Reg0601b.sas 11/15/20 */
76      options linesize=72 pagesize=20;
77      options nocenter linesize=78 pagesize=40;
78      options locale='en';
79
80      proc printto
81          print = 'StatM20/SAS_out0601b.txt' new;
82      ods listing gpath='StatM20/SAS_ODS06';
83
84      /*
85      proc printto
86          log = '/folders/myfolders/Kougi20/SAS_log0601b.txt';
87          print = '/folders/myfolders/Kougi20/SAS_out0601b.txt'
88      ! new;
89      ods listing gpath='/folders/myfolders/Kougi20/SAS_ODS0601a' new;
90      */
91

```

```

NOTE: PROCEDURE PRINTTO used (Total process time):
real time          0.02 seconds
user cpu time      0.02 seconds
system cpu time    0.00 seconds
memory            1464.96k
OS Memory         38820.00k
Timestamp         2020/12/06 午前09:01:25
Step Count        201  Switch Count  1
Page Faults       0
Page Reclaims    242
Page Swaps        0
Voluntary Context Switches  17
Involuntary Context Switches 0
Block Input Operations  0
Block Output Operations  8

```

```

92      data gakusei;
93          infile 'StatM20/StudAll20c.csv'
94              firstobs=8 dlm=', ' dsd missover
95              encoding=sjis termstr=crlf;
96          input sex $ shintyou taijyuu kyoui
97              jitaku : $9. kodukai carryer $ tsuuwa;
98
99          if shintyou='.' or taijyuu='.' or kyoui='.' then delete;
100

```

```

NOTE: Character values have been converted to numeric
values at the places given by: (Line):(Column).
99:13 99:28 99:41

```

```

NOTE: The infile 'StatM20/StudAll20c.csv' is:
Filename=/home/u50390719/StatM20/StudAll20c.csv,
Owner Name=u50390719,Group Name=oda,
Access Permission=-rw-r--r--,
Last Modified=06Dec2020:17:48:51,
File Size (bytes)=16617

```

```

NOTE: Invalid data for kyoui in line 8 10-11.

```

```

NOTE: Invalid data for tsuuwa in line 8 32-33.

```

```

RULE:  -----1-----2-----3-----4-----5-----6-----+-----
8      F, 145, 38, NA, 自宅生, 10000, NA, NA 33
sex=F shintyou=145 taijyuu=38 kyoui=. jitaku=自宅生 kodukai=10000
carryer=NA tsuuwa=, _ERROR_=1 _N_=1

```

```

NOTE: Invalid data for kyoui in line 10 10-11.

```

```

NOTE: Invalid data for tsuuwa in line 10 32-33.

```

```

10     F, 148, 42, NA, 自宅生, 50000, NA, NA 33
sex=F shintyou=148 taijyuu=42 kyoui=. jitaku=自宅生 kodukai=50000
carryer=NA tsuuwa=, _ERROR_=1 _N_=3

```

```

NOTE: Invalid data for taijyuu in line 12 9-10.

```

```

NOTE: Invalid data for kyoui in line 12 12-13.

```

```

NOTE: Invalid data for tsuuwa in line 12 34-35.

```

```

RULE:  -----1-----2-----3-----4-----5-----6-----+-----
12     F, 148.9, NA, NA, 自宅生, 60000, NA, NA 35
sex=F shintyou=148.9 taijyuu=, kyoui=. jitaku=自宅生 kodukai=60000

```

```

carryer=NA tsuuwa=. _ERROR_=1 _N_=5
NOTE: Invalid data for kyoui in line 13 10-11.
NOTE: Invalid data for tsuuwa in line 13 32-33.
13      F, 149, 45, NA, 下宿生, 60000, NA, NA 33
sex=F shintyou=149 taijyuu=45 kyoui=. jitaku=下宿生 kodukai=60000
carryer=NA tsuuwa=. _ERROR_=1 _N_=6
NOTE: Invalid data for tsuuwa in line 14 25-26.
14      F, 150, 46, 86, NA, 40000, NA, NA 26
sex=F shintyou=150 taijyuu=46 kyoui=86 jitaku=NA kodukai=40000 carryer=NA
tsuuwa=. _ERROR_=1 _N_=7
NOTE: Invalid data for kyoui in line 15 10-11.
15      F, 151, 45, NA, 自宅生, 20000, docomo, 5000 39
sex=F shintyou=151 taijyuu=45 kyoui=. jitaku=自宅生 kodukai=20000
carryer=docomo tsuuwa=5000 _ERROR_=1 _N_=8
NOTE: Invalid data for kyoui in line 16 11-12.
16      NA, 151, 46, NA, 自宅生, 0, NA, 6500 32
sex=NA shintyou=151 taijyuu=46 kyoui=. jitaku=自宅生 kodukai=0 carryer=NA
tsuuwa=6500 _ERROR_=1 _N_=9
NOTE: Invalid data for kyoui in line 17 10-11.
NOTE: Invalid data for tsuuwa in line 17 37-38.
17      F, 151, 50, NA, 下宿生, 60000, J-PHONE, NA 38
sex=F shintyou=151 taijyuu=50 kyoui=. jitaku=下宿生 kodukai=60000
carryer=J-PHONE tsuuwa=. _ERROR_=1 _N_=10
NOTE: Invalid data for tsuuwa in line 18 36-37.
18      F, 151.7, 41.5, 80, 自宅生, 35000, NA, NA 37
sex=F shintyou=151.7 taijyuu=41.5 kyoui=80 jitaku=自宅生 kodukai=35000
carryer=NA tsuuwa=. _ERROR_=1 _N_=11
NOTE: Invalid data for kyoui in line 20 10-11.
20      F, 152, 43, NA, 自宅生, 20000, au, 3500 35
sex=F shintyou=152 taijyuu=43 kyoui=. jitaku=自宅生 kodukai=20000
carryer=au tsuuwa=3500 _ERROR_=1 _N_=13
NOTE: Invalid data for kyoui in line 21 10-11.
21      F, 152, 44, NA, NA, 45000, DoCoMo, 4000 32
sex=F shintyou=152 taijyuu=44 kyoui=. jitaku=NA kodukai=45000 carryer=DoCoMo
tsuuwa=4000 _ERROR_=1 _N_=14
NOTE: Invalid data for kyoui in line 22 10-11.
NOTE: Invalid data for tsuuwa in line 22 33-34.
RULE:   +-----+-----+-----+-----+-----+-----+
22      F, 153, 41, NA, 自宅生, 125000, No, NA 34
sex=F shintyou=153 taijyuu=41 kyoui=. jitaku=自宅生 kodukai=125000
carryer=No tsuuwa=. _ERROR_=1 _N_=15
NOTE: Invalid data for kyoui in line 23 10-11.
23      F, 153, 42, NA, 下宿生, 0, Vodafone, 1000 37
sex=F shintyou=153 taijyuu=42 kyoui=. jitaku=下宿生 kodukai=0
carryer=Vodafone tsuuwa=1000 _ERROR_=1 _N_=16
NOTE: Invalid data for tsuuwa in line 24 34-35.
24      F, 153, 46.5, 87, 下宿生, 10000, NA, NA 35
sex=F shintyou=153 taijyuu=46.5 kyoui=87 jitaku=下宿生 kodukai=10000
carryer=NA tsuuwa=. _ERROR_=1 _N_=17
NOTE: Invalid data for kyoui in line 25 10-11.
25      F, 153, 50, NA, 下宿生, 70000, DoCoMo, 10000 40
sex=F shintyou=153 taijyuu=50 kyoui=. jitaku=下宿生 kodukai=70000
carryer=DoCoMo tsuuwa=10000 _ERROR_=1 _N_=18
NOTE: Invalid data for tsuuwa in line 26 32-33.
26      F, 153, 55, 78, 自宅生, 30000, NA, NA 33
sex=F shintyou=153 taijyuu=55 kyoui=78 jitaku=自宅生 kodukai=30000
carryer=NA tsuuwa=. _ERROR_=1 _N_=19
NOTE: Invalid data for taijyuu in line 27 7-8.
NOTE: Invalid data for kyoui in line 27 10-11.
27      F, 153, NA, NA, 下宿生, 120000, DoCoMo, 200 39
sex=F shintyou=153 taijyuu=. kyoui=. jitaku=下宿生 kodukai=120000
carryer=DoCoMo tsuuwa=200 _ERROR_=1 _N_=20
NOTE: Invalid data for taijyuu in line 28 7-8.
NOTE: Invalid data for kyoui in line 28 10-11.
28      F, 153, NA, NA, NA, 50000, NA, 5000 28
sex=F shintyou=153 taijyuu=. kyoui=. jitaku=NA kodukai=50000 carryer=NA
tsuuwa=5000 _ERROR_=1 _N_=21
NOTE: Invalid data for kyoui in line 29 12-13.
29      F, 153.5, 46, NA, 自宅生, 30000, J-PHONE, 8000 42
sex=F shintyou=153.5 taijyuu=46 kyoui=. jitaku=自宅生 kodukai=30000
carryer=J-PHONE tsuuwa=8000 _ERROR_=1 _N_=22
NOTE: Invalid data for kyoui in line 30 10-11.
NOTE: Invalid data for kodukai in line 30 16-17.
NOTE: Invalid data for tsuuwa in line 30 22-23.
WARNING: Limit set by ERRORS= option reached. Further errors of this type
         will not be printed.
RULE:   +-----+-----+-----+-----+-----+-----+
30      F, 154, 46, NA, NA, NA, NA, NA 23
sex=F shintyou=154 taijyuu=46 kyoui=. jitaku=NA kodukai=. carryer=NA tsuuwa=.
_ERROR_=1 _N_=23

```

NOTE: 494 records were read from the infile 'StatM20/StudAll20c.csv'.
 The minimum record length was 22.
 The maximum record length was 48.
 NOTE: The data set WORK.GAKUSEI has 157 observations and 8 variables.
 NOTE: DATA statement used (Total process time):

real time	0.07 seconds
user cpu time	0.00 seconds
system cpu time	0.00 seconds
memory	1004.46k
OS Memory	39848.00k
Timestamp	2020/12/06 午前09:01:25
Step Count	202 Switch Count 2
Page Faults	0
Page Reclaims	177
Page Swaps	0
Voluntary Context Switches	18
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	280

```
101      proc print data=gakusei(obs=10);
102      run;
```

NOTE: There were 10 observations read from the data set WORK.GAKUSEI.
 NOTE: The PROCEDURE PRINT printed page 71.
 NOTE: PROCEDURE PRINT used (Total process time):

real time	0.05 seconds
user cpu time	0.05 seconds
system cpu time	0.00 seconds
memory	3033.37k
OS Memory	40360.00k
Timestamp	2020/12/06 午前09:01:25
Step Count	203 Switch Count 0
Page Faults	0
Page Reclaims	225
Page Swaps	0
Voluntary Context Switches	0
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	8

```
103
104      proc reg data=gakusei;
105          model taijyuu=shintyou kyoui;
106          output out=outreg2 predicted=pred2 residual=resid2;
107      run;
```

108

NOTE: The data set WORK.OUTREG2 has 157 observations and 10 variables.
 NOTE: The PROCEDURE REG printed page 72.
 NOTE: PROCEDURE REG used (Total process time):

real time	1.03 seconds
user cpu time	0.48 seconds
system cpu time	0.08 seconds
memory	34092.50k
OS Memory	71108.00k
Timestamp	2020/12/06 午前09:01:26
Step Count	204 Switch Count 24
Page Faults	0
Page Reclaims	20323
Page Swaps	0
Voluntary Context Switches	1084
Involuntary Context Switches	1
Block Input Operations	0
Block Output Operations	4720

```
109      proc print data=outreg2(obs=15);
110      run;
```

NOTE: There were 15 observations read from the data set WORK.OUTREG2.
 NOTE: The PROCEDURE PRINT printed page 73.
 NOTE: PROCEDURE PRINT used (Total process time):

real time	0.06 seconds
user cpu time	0.06 seconds
system cpu time	0.00 seconds
memory	1302.78k

```

OS Memory          67752.00k
Timestamp          2020/12/06 午前09:01:26
Step Count        205  Switch Count  0
Page Faults      0
Page Reclaims    124
Page Swaps       0
Voluntary Context Switches  1
Involuntary Context Switches 1
Block Input Operations  0
Block Output Operations  48

```

```

111
112     proc plot data=outreg2;
113         plot taijyuu*shintyou/vaxis=20 to 100 by 20;
114         plot taijyuu*kyoui/vaxis=20 to 100 by 20;
115         plot pred2*taijyuu;
116         plot resid2*shintyou/vref=0;
117         plot resid2*kyoui /vref=0;
118         plot resid2*taijyuu /vref=0;
119     run;

```

120

NOTE: There were 157 observations read from the data set WORK.OUTREG2.

NOTE: The PROCEDURE PLOT printed pages 74-79.

NOTE: PROCEDURE PLOT used (Total process time):

```

real time          0.06 seconds
user cpu time      0.06 seconds
system cpu time    0.00 seconds
memory            1452.28k
OS Memory          67752.00k
Timestamp          2020/12/06 午前09:01:26
Step Count        206  Switch Count  0
Page Faults      0
Page Reclaims    63
Page Swaps       0
Voluntary Context Switches  0
Involuntary Context Switches 0
Block Input Operations  0
Block Output Operations  48

```

```

121     proc univariate data=outreg2 plot normal;
122         var resid2;
123     run;

```

NOTE: The PROCEDURE UNIVARIATE printed pages 80-82.

NOTE: PROCEDURE UNIVARIATE used (Total process time):

```

real time          0.41 seconds
user cpu time      0.27 seconds
system cpu time    0.01 seconds
memory            4314.62k
OS Memory          70316.00k
Timestamp          2020/12/06 午前09:01:27
Step Count        207  Switch Count  0
Page Faults      0
Page Reclaims    1326
Page Swaps       0
Voluntary Context Switches  414
Involuntary Context Switches 0
Block Input Operations  0
Block Output Operations 1008

```

```

124
125     OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
126
138

```