Program Summary - Program 1

Execution Environment

Author: u63155516
File:
SAS Platform: Linux LIN X64 3.10.0-1062.12.1.el7.x86_64
SAS Host: ODAWS01-USW2-2.ODA.SAS.COM
SAS Version: 9.04.01M7P08062020
SAS Locale: en_US
Submission Time: 5/4/2023, 5:33:36 PM
Browser Host: 130.191.100.46
User Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0 Safari/537.36
Application Server: ODAMID00-USW2-2.ODA.SAS.COM

Code: Program 1

```
FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_MedCenter_with_messy_data.csv';
PROC IMPORT DATAFILE=REFFILE
DBMS=CSV
OUT=WORK.IMPORT_MEDCENTER_CSV_;
GETNAMES=YES;
RUN;

FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_MedCenter_with_messy_data.txt';
PROC IMPORT DATAFILE=REFFILE
DBMS=TAB
OUT=WORK.IMPORT_MEDCENTER_TXT_;
GETNAMES=YES;
RUN;

FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_MedCenter_with_messy_data.xlsx';
PROC IMPORT DATAFILE=REFFILE
DBMS=XLSX
OUT=WORK.IMPORT_MEDCENTER_XLSX_;
GETNAMES=YES;
RUN;

FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_with_messy_data.csv';
PROC IMPORT DATAFILE=REFFILE
DBMS=CSV
OUT=WORK.IMPORT_WITHMESSY_CSV_;
GETNAMES=YES;
RUN;

FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_with_messy_data.txt';
PROC IMPORT DATAFILE=REFFILE
DBMS=TAB
OUT=WORK.IMPORT_WITHMESSY_TXT_;
GETNAMES=YES;
RUN;

FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_with_messy_data.xlsx';
PROC IMPORT DATAFILE=REFFILE
DBMS=XLSX
OUT=WORK.IMPORT_WITHMESSY_XLSX_;
GETNAMES=YES;
RUN;
```

Log: Program 1

Notes (36)

```
1          OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
68
69         FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_MedCenter_with_messy_data.csv';
70         PROC IMPORT DATAFILE=REFFILE
71         DBMS=CSV
72         OUT=WORK.IMPORT_MEDCENTER_CSV_;
```

```
73          GETNAMES=YES;
74          RUN;
```

NOTE: Unable to open parameter catalog: SASUSER.PARMS.PARMS.SLIST in update mode. Temporary parameter values will be saved to
WORK.PARMS.PARMS.SLIST.

```
75          /********************************************************************
76          *    PRODUCT:   SAS
77          *    VERSION:   9.4
78          *    CREATOR:   External File Interface
79          *    DATE:      05MAY23
80          *    DESC:      Generated SAS Datastep Code
81          *    TEMPLATE SOURCE:  (None Specified.)
82          ********************************************************************/
83              data WORK.IMPORT_MEDCENTER_CSV_    ;
84              %let _EFIERR_ = 0; /* set the ERROR detection macro variable */
85              infile REFFILE delimiter = ',' MISSOVER DSD  firstobs=2 ;
86                 informat MedCtrID $7. ;
87                 informat MedicalCenter $27. ;
88                 informat City $12. ;
89                 informat State $2. ;
90                 informat Zip best32. ;
91                 format MedCtrID $7. ;
92                 format MedicalCenter $27. ;
93                 format City $12. ;
94                 format State $2. ;
95                 format Zip best12. ;
96           input
97                        MedCtrID  $
98                        MedicalCenter  $
99                        City  $
100                       State  $
101                       Zip
102            ;
103            if _ERROR_ then call symputx('_EFIERR_',1);  /* set ERROR detection macro variable */
104            run;
```

NOTE: The infile REFFILE is:
      Filename=/home/u63155516/STAT 325 Spring 2023/Project/Heart_MedCenter_with_messy_data.csv,
      Owner Name=u63155516,Group Name=oda,
      Access Permission=-rw-r--r--,
      Last Modified=11Apr2023:18:15:30,
      File Size (bytes)=312

NOTE: 5 records were read from the infile REFFILE.
      The minimum record length was 50.
      The maximum record length was 57.
NOTE: The data set WORK.IMPORT_MEDCENTER_CSV_ has 5 observations and 5 variables.
NOTE: DATA statement used (Total process time):
      real time   0.00 seconds
      user cpu time   0.00 seconds
      system cpu time   0.00 seconds
      memory   9316.43k
      OS Memory   32288.00k
      Timestamp   05/05/2023 12:33:35 AM
      Step Count   85 Switch Count 2
      Page Faults   0
      Page Reclaims   140
      Page Swaps   0
      Voluntary Context Switches   10
      Involuntary Context Switches   0
      Block Input Operations   0
      Block Output Operations   264

5 rows created in WORK.IMPORT_MEDCENTER_CSV_ from REFFILE.

NOTE: WORK.IMPORT_MEDCENTER_CSV_ data set was successfully created.
NOTE: The data set WORK.IMPORT_MEDCENTER_CSV_ has 5 observations and 5 variables.
NOTE: PROCEDURE IMPORT used (Total process time):
      real time   0.04 seconds
      user cpu time   0.04 seconds
      system cpu time   0.01 seconds
      memory   9316.43k
      OS Memory   32548.00k
      Timestamp   05/05/2023 12:33:35 AM
      Step Count   85 Switch Count 8
      Page Faults   0
      Page Reclaims   2497
      Page Swaps   0
      Voluntary Context Switches   65
      Involuntary Context Switches   1
      Block Input Operations   0
      Block Output Operations   328


```
105
106        FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_MedCenter_with_messy_data.txt';
```

```
107        PROC IMPORT DATAFILE=REFFILE
108        DBMS=TAB
109        OUT=WORK.IMPORT_MEDCENTER_TXT_;
110        GETNAMES=YES;
111        RUN;
```

NOTE: Unable to open parameter catalog: SASUSER.PARMS.PARMS.SLIST in update mode. Temporary parameter values will be saved to
WORK.PARMS.PARMS.SLIST.

```
112        /**********************************************************************
113        *    PRODUCT:   SAS
114        *    VERSION:   9.4
115        *    CREATOR:   External File Interface
116        *    DATE:      05MAY23
117        *    DESC:      Generated SAS Datastep Code
118        *    TEMPLATE SOURCE:  (None Specified.)
119        **********************************************************************/
120            data WORK.IMPORT_MEDCENTER_TXT_    ;
121            %let _EFIERR_ = 0; /* set the ERROR detection macro variable */
122            infile REFFILE delimiter='09'x MISSOVER DSD  firstobs=2 ;
123               informat MedCtrID $7. ;
124               informat MedicalCenter $27. ;
125               informat City $12. ;
126               informat State $2. ;
127               informat Zip best32. ;
128               format MedCtrID $7. ;
129               format MedicalCenter $27. ;
130               format City $12. ;
131               format State $2. ;
132               format Zip best12. ;
133           input
134                       MedCtrID  $
135                       MedicalCenter  $
136                       City  $
137                       State  $
138                       Zip
139           ;
140           if _ERROR_ then call symputx('_EFIERR_',1);  /* set ERROR detection macro variable */
141           run;
```

NOTE: The infile REFFILE is:
      Filename=/home/u63155516/STAT 325 Spring 2023/Project/Heart_MedCenter_with_messy_data.txt,
      Owner Name=u63155516,Group Name=oda,
      Access Permission=-rw-r--r--,
      Last Modified=11Apr2023:18:15:29,
      File Size (bytes)=312

NOTE: 5 records were read from the infile REFFILE.
      The minimum record length was 50.
      The maximum record length was 57.
NOTE: The data set WORK.IMPORT_MEDCENTER_TXT_ has 5 observations and 5 variables.
NOTE: DATA statement used (Total process time):
      real time   0.00 seconds
      user cpu time   0.01 seconds
      system cpu time   0.00 seconds
      memory   9311.28k
      OS Memory   32288.00k
      Timestamp   05/05/2023 12:33:35 AM
      Step Count   86 Switch Count 2
      Page Faults   0
      Page Reclaims   138
      Page Swaps   0
      Voluntary Context Switches   14
      Involuntary Context Switches   0
      Block Input Operations   0
      Block Output Operations   264

5 rows created in WORK.IMPORT_MEDCENTER_TXT_ from REFFILE.

NOTE: WORK.IMPORT_MEDCENTER_TXT_ data set was successfully created.
NOTE: The data set WORK.IMPORT_MEDCENTER_TXT_ has 5 observations and 5 variables.
NOTE: PROCEDURE IMPORT used (Total process time):
      real time   0.04 seconds
      user cpu time   0.03 seconds
      system cpu time   0.01 seconds
      memory   9311.28k
      OS Memory   32548.00k
      Timestamp   05/05/2023 12:33:35 AM
      Step Count   86 Switch Count 8
      Page Faults   0
      Page Reclaims   2270
      Page Swaps   0
      Voluntary Context Switches   66
      Involuntary Context Switches   0
      Block Input Operations   0
      Block Output Operations   288

```
142
143          FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_MedCenter_with_messy_data.xlsx';
144          PROC IMPORT DATAFILE=REFFILE
145          DBMS=XLSX
146          OUT=WORK.IMPORT_MEDCENTER_XLSX_;
147          GETNAMES=YES;
148          RUN;

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more details, run with
      options MSGLEVEL=I.
NOTE: The import data set has 5 observations and 5 variables.
NOTE: WORK.IMPORT_MEDCENTER_XLSX_ data set was successfully created.
NOTE: PROCEDURE IMPORT used (Total process time):
      real time            0.00 seconds
      user cpu time        0.00 seconds
      system cpu time      0.00 seconds
      memory               3384.25k
      OS Memory            29184.00k
      Timestamp            05/05/2023 12:33:35 AM
      Step Count                        87  Switch Count  2
      Page Faults                       0
      Page Reclaims                     707
      Page Swaps                        0
      Voluntary Context Switches        10
      Involuntary Context Switches      0
      Block Input Operations            0
      Block Output Operations           280


149
150          FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_with_messy_data.csv';
151          PROC IMPORT DATAFILE=REFFILE
152          DBMS=CSV
153          OUT=WORK.IMPORT_WITHMESSY_CSV_;
154          GETNAMES=YES;
155          RUN;

NOTE: Unable to open parameter catalog: SASUSER.PARMS.PARMS.SLIST in update mode. Temporary parameter values will be saved to
WORK.PARMS.PARMS.SLIST.
156          /**********************************************************************
157          *    PRODUCT:   SAS
158          *    VERSION:   9.4
159          *    CREATOR:   External File Interface
160          *    DATE:      05MAY23
161          *    DESC:      Generated SAS Datastep Code
162          *    TEMPLATE SOURCE:  (None Specified.)
163          **********************************************************************/
164             data WORK.IMPORT_WITHMESSY_CSV_    ;
165             %let _EFIERR_ = 0; /* set the ERROR detection macro variable */
166             infile REFFILE delimiter = ',' MISSOVER DSD  firstobs=2 ;
167                informat MedCtrID $7. ;
168                informat Status $5. ;
169                informat DeathCause $25. ;
170                informat AgeCHDdiag best32. ;
171                informat Sex $6. ;
172                informat AgeAtStart best32. ;
173                informat Height best32. ;
174                informat Weight best32. ;
175                informat Diastolic best32. ;
176                informat Systolic best32. ;
177                informat MRW best32. ;
178                informat Smoking best32. ;
179                informat AgeAtDeath best32. ;
180                informat Cholesterol best32. ;
181                informat Chol_Status $10. ;
182                informat BP_Status $7. ;
183                informat Weight_Status $10. ;
184                informat Smoking_Status $17. ;
185                format MedCtrID $7. ;
186                format Status $5. ;
187                format DeathCause $25. ;
188                format AgeCHDdiag best12. ;
189                format Sex $6. ;
190                format AgeAtStart best12. ;
191                format Height best12. ;
192                format Weight best12. ;
193                format Diastolic best12. ;
194                format Systolic best12. ;
195                format MRW best12. ;
196                format Smoking best12. ;
197                format AgeAtDeath best12. ;
198                format Cholesterol best12. ;
199                format Chol_Status $10. ;
200                format BP_Status $7. ;
201                format Weight_Status $10. ;
202                format Smoking_Status $17. ;
203             input
204                      MedCtrID  $
```

```
205                     Status   $
206                     DeathCause  $
207                     AgeCHDdiag
208                     Sex  $
209                     AgeAtStart
210                     Height
211                     Weight
212                     Diastolic
213                     Systolic
214                     MRW
215                     Smoking
216                     AgeAtDeath
217                     Cholesterol
218                     Chol_Status  $
219                     BP_Status  $
220                     Weight_Status  $
221                     Smoking_Status  $
222             ;
223         if _ERROR_ then call symputx('_EFIERR_',1);  /* set ERROR detection macro variable */
224         run;
```

NOTE: The infile REFFILE is:
      Filename=/home/u63155516/STAT 325 Spring 2023/Project/Heart_with_messy_data.csv,
      Owner Name=u63155516,Group Name=oda,
      Access Permission=-rw-r--r--,
      Last Modified=11Apr2023:18:15:29,
      File Size (bytes)=520900

NOTE: 5209 records were read from the infile REFFILE.
      The minimum record length was 69.
      The maximum record length was 126.
NOTE: The data set WORK.IMPORT_WITHMESSY_CSV_ has 5209 observations and 18 variables.
NOTE: DATA statement used (Total process time):
      real time   0.01 seconds
      user cpu time   0.02 seconds
      system cpu time   0.00 seconds
      memory   10191.18k
      OS Memory   32544.00k
      Timestamp   05/05/2023 12:33:35 AM
      Step Count   88 Switch Count 2
      Page Faults   0
      Page Reclaims   171
      Page Swaps   0
      Voluntary Context Switches   11
      Involuntary Context Switches   0
      Block Input Operations   0
      Block Output Operations   1808

   5209 rows created in WORK.IMPORT_WITHMESSY_CSV_ from REFFILE.

NOTE: WORK.IMPORT_WITHMESSY_CSV_ data set was successfully created.
NOTE: The data set WORK.IMPORT_WITHMESSY_CSV_ has 5209 observations and 18 variables.
NOTE: PROCEDURE IMPORT used (Total process time):
      real time   0.10 seconds
      user cpu time   0.09 seconds
      system cpu time   0.01 seconds
      memory   10191.18k
      OS Memory   33444.00k
      Timestamp   05/05/2023 12:33:35 AM
      Step Count   88 Switch Count 7
      Page Faults   0
      Page Reclaims   4981
      Page Swaps   0
      Voluntary Context Switches   64
      Involuntary Context Switches   0
      Block Input Operations   0
      Block Output Operations   1824


```
225
226     FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_with_messy_data.txt';
227     PROC IMPORT DATAFILE=REFFILE
228     DBMS=TAB
229     OUT=WORK.IMPORT_WITHMESSY_TXT_;
230     GETNAMES=YES;
231     RUN;
```

NOTE: Unable to open parameter catalog: SASUSER.PARMS.PARMS.SLIST in update mode. Temporary parameter values will be saved to
WORK.PARMS.PARMS.SLIST.
```
232         /****************************************************************
233     *    PRODUCT:   SAS
234     *    VERSION:   9.4
235     *    CREATOR:   External File Interface
236     *    DATE:      05MAY23
237     *    DESC:      Generated SAS Datastep Code
238     *    TEMPLATE SOURCE:  (None Specified.)
```

```
239          *****************************************************************/
240              data WORK.IMPORT_WITHMESSY_TXT_    ;
241              %let _EFIERR_ = 0; /* set the ERROR detection macro variable */
242              infile REFFILE delimiter='09'x MISSOVER DSD  firstobs=2 ;
243                  informat MedCtrID $7. ;
244                  informat Status $5. ;
245                  informat DeathCause $25. ;
246                  informat AgeCHDdiag best32. ;
247                  informat Sex $6. ;
248                  informat AgeAtStart best32. ;
249                  informat Height best32. ;
250                  informat Weight best32. ;
251                  informat Diastolic best32. ;
252                  informat Systolic best32. ;
253                  informat MRW best32. ;
254                  informat Smoking best32. ;
255                  informat AgeAtDeath best32. ;
256                  informat Cholesterol best32. ;
257                  informat Chol_Status $10. ;
258                  informat BP_Status $7. ;
259                  informat Weight_Status $10. ;
260                  informat Smoking_Status $17. ;
261                  format MedCtrID $7. ;
262                  format Status $5. ;
263                  format DeathCause $25. ;
264                  format AgeCHDdiag best12. ;
265                  format Sex $6. ;
266                  format AgeAtStart best12. ;
267                  format Height best12. ;
268                  format Weight best12. ;
269                  format Diastolic best12. ;
270                  format Systolic best12. ;
271                  format MRW best12. ;
272                  format Smoking best12. ;
273                  format AgeAtDeath best12. ;
274                  format Cholesterol best12. ;
275                  format Chol_Status $10. ;
276                  format BP_Status $7. ;
277                  format Weight_Status $10. ;
278                  format Smoking_Status $17. ;
279              input
280                          MedCtrID  $
281                          Status  $
282                          DeathCause  $
283                          AgeCHDdiag
284                          Sex  $
285                          AgeAtStart
286                          Height
287                          Weight
288                          Diastolic
289                          Systolic
290                          MRW
291                          Smoking
292                          AgeAtDeath
293                          Cholesterol
294                          Chol_Status  $
295                          BP_Status  $
296                          Weight_Status  $
297                          Smoking_Status  $
298              ;
299              if _ERROR_ then call symputx('_EFIERR_',1);  /* set ERROR detection macro variable */
300              run;

NOTE: The infile REFFILE is:
      Filename=/home/u63155516/STAT 325 Spring 2023/Project/Heart_with_messy_data.txt,
      Owner Name=u63155516,Group Name=oda,
      Access Permission=-rw-r--r--,
      Last Modified=11Apr2023:18:15:29,
      File Size (bytes)=520900

NOTE: 5209 records were read from the infile REFFILE.
      The minimum record length was 69.
      The maximum record length was 126.
NOTE: The data set WORK.IMPORT_WITHMESSY_TXT_ has 5209 observations and 18 variables.
NOTE: DATA statement used (Total process time):
      real time            0.01 seconds
      user cpu time        0.01 seconds
      system cpu time      0.00 seconds
      memory               10187.00k
      OS Memory            32544.00k
      Timestamp            05/05/2023 12:33:35 AM
      Step Count                       89  Switch Count  2
      Page Faults                      0
      Page Reclaims                    127
      Page Swaps                       0
      Voluntary Context Switches       13
      Involuntary Context Switches     0
      Block Input Operations           0
      Block Output Operations          1800
```

```
    5209 rows created in WORK.IMPORT_WITHMESSY_TXT_ from REFFILE.


NOTE: WORK.IMPORT_WITHMESSY_TXT_ data set was successfully created.
NOTE: The data set WORK.IMPORT_WITHMESSY_TXT_ has 5209 observations and 18 variables.
NOTE: PROCEDURE IMPORT used (Total process time):
      real time                0.15 seconds
      user cpu time            0.14 seconds
      system cpu time          0.01 seconds
      memory                   10187.00k
      OS Memory                33444.00k
      Timestamp                05/05/2023 12:33:35 AM
      Step Count                        89  Switch Count  8
      Page Faults                       0
      Page Reclaims                     5056
      Page Swaps                        0
      Voluntary Context Switches        72
      Involuntary Context Switches      0
      Block Input Operations            0
      Block Output Operations           1832


301
302        FILENAME REFFILE '/home/u63155516/STAT 325 Spring 2023/Project/Heart_with_messy_data.xlsx';
303        PROC IMPORT DATAFILE=REFFILE
304        DBMS=XLSX
305        OUT=WORK.IMPORT_WITHMESSY_XLSX_;
306        GETNAMES=YES;
307        RUN;

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more details, run with
      options MSGLEVEL=I.
NOTE: The import data set has 5209 observations and 18 variables.
NOTE: WORK.IMPORT_WITHMESSY_XLSX_ data set was successfully created.
NOTE: PROCEDURE IMPORT used (Total process time):
      real time                1.33 seconds
      user cpu time            1.33 seconds
      system cpu time          0.00 seconds
      memory                   4174.46k
      OS Memory                29440.00k
      Timestamp                05/05/2023 12:33:36 AM
      Step Count                        90  Switch Count  2
      Page Faults                       0
      Page Reclaims                     692
      Page Swaps                        0
      Voluntary Context Switches        15
      Involuntary Context Switches      85
      Block Input Operations            0
      Block Output Operations           2320


308
309
310
311
312        OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
322
```

Results: Program 1