

```

1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
NOTE: ODS statements in the SAS Studio environment may disable some output features.
69
70      /************************************************************************/
71      /*Program Name: KGliszczynski_HW08 */
72      /*Date Created: October 12, 2021 */
73      /*Author: Kat Gliszczynski */
74      /*Purpose: To answer the steps listed in HW Assignment 8 */
75      /*Program Location: /home/u59692926/KGliszczynski_HW08.sas */
76      /************************************************************************/
77
78      /* Part 1: Housekeeping */
79      TITLE;
80      FOOTNOTE;
81      ODS NOPROCTITLE;
82
83      /* Part 2: Create Library Reference */
84      libname cert '~/my_shared_file_links/fkincheloe/stat604/cert' access=readonly;
NOTE: Libref CERT was successfully assigned as follows:
     Engine:          V9
     Physical Name:  /home/u59692926/my_shared_file_links/fkincheloe/stat604/cert
85      run;
86      libname npinfoxl XLSX '/home/u59692926/my_shared_file_links/fkincheloe/stat604/Fall2021/np_info.xlsx';
NOTE: Libref NPINFOXL was successfully assigned as follows:
     Engine:          XLSX
     Physical Name:  /home/u59692926/my_shared_file_links/fkincheloe/stat604/Fall2021/np_info.xlsx
87
88      /* Part 3: List all data sets in first library */
89      PROC CONTENTS DATA=cert._ALL_ NODS;
90      TITLE "Cert Data Sets";
91      FOOTNOTE "Downloaded from SAS Website";
92      run;

NOTE: PROCEDURE CONTENTS used (Total process time):
      real time          0.10 seconds
      user cpu time     0.09 seconds
      system cpu time   0.00 seconds
      memory            1964.62k
      OS Memory         24996.00k
      Timestamp         10/14/2021 07:28:18 PM
      Step Count        24  Switch Count  2
      Page Faults       0
      Page Reclaims     965
      Page Swaps        0
      Voluntary Context Switches 86
      Involuntary Context Switches 0
      Block Input Operations 0
      Block Output Operations 24

93
94      /* Part 4: Report the Descriptor Portion of the Mechanics Data Set */
95      PROC CONTENTS DATA=cert.mechanics varnum;
96      TITLE1 "Mechanics Data Set";
97      TITLE2 "Descriptor Portion";
98      FOOTNOTE;
99      run;

NOTE: PROCEDURE CONTENTS used (Total process time):
      real time          0.04 seconds
      user cpu time     0.05 seconds
      system cpu time   0.00 seconds
      memory            971.96k
      OS Memory         25768.00k
      Timestamp         10/14/2021 07:28:18 PM
      Step Count        25  Switch Count  3
      Page Faults       0
      Page Reclaims     182
      Page Swaps        0
      Voluntary Context Switches 29
      Involuntary Context Switches 0
      Block Input Operations 0
      Block Output Operations 32

100
101     /* Part 5: Report the Data Portion of the Mechanics Data Set */
102     PROC PRINT DATA=CERT.mechanics;

```

```
103      TITLE1 "Mechanics Data Set";
104      TITLE2 "Data Portion";
105      FOOTNOTE;
106      run;
```

NOTE: There were 29 observations read from the data set CERT.MECHANICS.

NOTE: PROCEDURE PRINT used (Total process time):

real time	0.07 seconds
user cpu time	0.08 seconds
system cpu time	0.00 seconds
memory	765.40k
OS Memory	25508.00k
Timestamp	10/14/2021 07:28:18 PM
Step Count	26 Switch Count 3
Page Faults	0
Page Reclaims	146
Page Swaps	0
Voluntary Context Switches	27
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	32

```
107
108 /* Part 6: Report the Descriptor Portion of the Zip Code Data Set */
109 PROC CONTENTS DATA=sashelp.zipcode;
110   TITLE "Zip Code Data- Descriptor Portion";
111   FOOTNOTE "Included with SAS Installation";
112   run;
```

NOTE: PROCEDURE CONTENTS used (Total process time):

real time	0.06 seconds
user cpu time	0.07 seconds
system cpu time	0.00 seconds
memory	1746.21k
OS Memory	26344.00k
Timestamp	10/14/2021 07:28:18 PM
Step Count	27 Switch Count 2
Page Faults	0
Page Reclaims	283
Page Swaps	0
Voluntary Context Switches	19
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	32

```
113
114 /* Part 7: List all the tables in the Excel File */
115 proc contents DATA=npinfoxl._ALL_ NODS;
116   TITLE "Excel Tables List";
117   FOOTNOTE;
118   run;
```

NOTE: PROCEDURE CONTENTS used (Total process time):

real time	0.02 seconds
user cpu time	0.02 seconds
system cpu time	0.00 seconds
memory	2734.15k
OS Memory	28068.00k
Timestamp	10/14/2021 07:28:18 PM
Step Count	28 Switch Count 2
Page Faults	0
Page Reclaims	632
Page Swaps	0
Voluntary Context Switches	28
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	24

```
119
120 /* Part 8: Report the Descriptor Portion of the Parks Worksheet in Excel */
121 proc contents data=npinfoxl.parks order=caselcollate;
122   TITLE "National Parks Information";
123   FOOTNOTE;
124   run;
```

NOTE: PROCEDURE CONTENTS used (Total process time):

real time	0.52 seconds
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```
user cpu time      0.50 seconds
system cpu time   0.02 seconds
memory           40817.56k
OS Memory        71140.00k
Timestamp         10/14/2021 07:28:19 PM
Step Count        29  Switch Count  2
Page Faults      0
Page Reclaims    10418
Page Swaps       0
Voluntary Context Switches 22
Involuntary Context Switches 1
Block Input Operations 0
Block Output Operations 16
```

```
125
126 /* Part 9: Report the Data Portion of the Parks Worksheet in Excel */
127 proc print data=npinfoxl.parks;
128   TITLE "National Parks Information";
129   FOOTNOTE;
130 run;
```

NOTE: Access by observation number not available. Observation numbers will be counted by PROC PRINT.

NOTE: The import data set has 56 observations and 6 variables.

NOTE: The import data set has 56 observations and 6 variables.

NOTE: There were 56 observations read from the data set NPINFOXL.parks.

NOTE: PROCEDURE PRINT used (Total process time):

```
real time      0.56 seconds
user cpu time  0.55 seconds
system cpu time 0.02 seconds
memory          40561.81k
OS Memory       70880.00k
Timestamp        10/14/2021 07:28:20 PM
Step Count        30  Switch Count  2
Page Faults      0
Page Reclaims    10147
Page Swaps       0
Voluntary Context Switches 21
Involuntary Context Switches 1
Block Input Operations 0
Block Output Operations 48
```

```
131
132 /* Part 10: Release Library Reference Connection to the Excel File */
133 libname npinfoxl clear;
NOTE: Libref NPINFOXL has been deassigned.
134
135
136
137
138 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
148
```