

```

1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
68
69      /* importing data from Excel
70      /* setting column names to match Excel file */
71      data playingSurfaceNFL;
72      infile '/home/u63996162/STAT468 Senior Research Project/NFL Playing Surface and Injury Severity.csv' dlm = ',' firstobs=2
72      ! ;
73      input DaysMissed1 DaysMissed7 DaysMissed28 DaysMissed42 isSynthetic isKnee;
74      run;

```

NOTE: The infile '/home/u63996162/STAT468 Senior Research Project/NFL Playing Surface and Injury Severity.csv' is:  
 Filename=/home/u63996162/STAT468 Senior Research Project/NFL Playing Surface and Injury Severity.csv,  
 Owner Name=u63996162,Group Name=oda,  
 Access Permission=-rw-r--r--,  
 Last Modified=21Nov2025:22:01:25,  
 File Size (bytes)=1427

NOTE: 105 records were read from the infile '/home/u63996162/STAT468 Senior Research Project/NFL Playing Surface and Injury Severity.csv'.  
 The minimum record length was 10.  
 The maximum record length was 11.

NOTE: SAS went to a new line when INPUT statement reached past the end of a line.

NOTE: The data set WORK.PLAYINGSURFACENFL has 100 observations and 6 variables.

NOTE: DATA statement used (Total process time):

real time	0.01 seconds
user cpu time	0.00 seconds
system cpu time	0.00 seconds
memory	758.53k
OS Memory	19620.00k
Timestamp	11/23/2025 12:59:09 AM
Step Count	24 Switch Count 2
Page Faults	0
Page Reclaims	145
Page Swaps	0
Voluntary Context Switches	20
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	264

```

75
76      /* proc print to check data set
77      proc print data=playingSurfaceNFL;
78      run;
79      */
80
81      /* binary logistic regression model */
82      proc logistic data=playingSurfaceNFL;
83      model DaysMissed42 = isSynthetic isKnee;
84      run;

```

NOTE: PROC LOGISTIC is modeling the probability that DaysMissed42=0. One way to change this to model the probability that DaysMissed42=1 is to specify the response variable option EVENT='1'.

NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: There were 100 observations read from the data set WORK.PLAYINGSURFACENFL.

NOTE: PROCEDURE LOGISTIC used (Total process time):

real time	0.04 seconds
user cpu time	0.05 seconds
system cpu time	0.01 seconds
memory	3183.84k
OS Memory	22452.00k
Timestamp	11/23/2025 12:59:09 AM
Step Count	25 Switch Count 0
Page Faults	0
Page Reclaims	778
Page Swaps	0
Voluntary Context Switches	3
Involuntary Context Switches	6
Block Input Operations	0
Block Output Operations	64

```

85
86
87      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
97

```