

```

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
73      ! ;
74      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      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
97

```