

```

1  /*Access Data*/
2  option validvarname=v7;
3  libname tsa xlsx '/home/u62057070/EPG2V2/data/TSAClaims2002_2017.xlsx';
4
5  proc import datafile="/home/u62057070/EPG2V2/data/TSAClaims2002_2017.xlsx"
6      dbms=csv out=tsa.claims;
7  run;
8
9  /*Explore Data*/
10 proc print data=tsa.claims (obs=25);
11     var Claim_Site Disposition Claim_Type Date_Received Incident_Date;
12 run;
13
14 /*prepare*/
15 PROC SORT DATA=tsa.claims OUT=tsa.ClaimsCleaned NODUPRECS;
16     BY _ALL_;
17 RUN;
18
19 proc freq data=tsa.ClaimsCleaned;
20     tables Claim_Site Disposition Claim_Type / nocum nopercnt;
21     tables Date_Received Incident_Date / nocum nopercnt;
22     format Date_Received Incident_Date year4.;
23 run;
24
25 PROC SORT DATA=tsa.ClaimsCleaned;
26     BY Incident_Date;
27 RUN;
28
29 data tsa.ClaimsCleaned2;
30     set tsa.ClaimsCleaned;
31
32     if Claim_Site in ('-', '') then
33         Claim_Site="Unknown";
34
35     if Disposition in ("-", "") then
36         Disposition='Unknown';
37
38     if Claim_Type in ("-", "") then
39         Claim_Type="Unknown";
40     State=upcase(State);
41     StateName=propcase(StateName);
42     drop county city;
43
44     if (Incident_Date > Date_Received or Incident_Date=. or Date_Received=. or
45         year(Incident_Date) < 2002 or year(Incident_Date) > 2017 or
46         year(Date_Received) < 2002 or year(Date_Received) > 2017) then
47             Date_Issues="Needs Review";
48 format Incident_Date Date_Received date9. Close_Amount Dollar20.2;
49 label Airport_Code="Airport Code" Airport_Name="Airport Name"
50     Claim_Number="Claim Number" Claim_Site="Claim Site" Claim_Type="Claim Type"
51     Close_Amount="Close Amount" Date_Issues="Date Issues"
52     Date_Received="Date Received" Incident_Date="Incident Date"
53     Item_Category="Item Category";
54 run;
55
56
57

```

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58 /*Analysis data */
59 title "Date_Issues coulmn in our data";
60
61 proc freq data=tsa.ClaimsCleaned2;
62     table Date_Issues / nocum nopercnt;
63 run;
64
65 title;
66 ods graphics on;
67 title "Claims by Year in our data";
68
69 proc freq data=tsa.ClaimsCleaned2;
70     table Incident_Date / nocum nopercnt plots=freqplot;
71     format Incident_Date year4.;
72     where Date_Issues is null;
73 run;
74
75 title;
76 %let staten=C;
77 title "&staten alifornia information";
78
79 proc freq data=tsa.ClaimsCleaned2 order=freq;
80     table Claim_Type Claim_Site Disposition / nocum nopercnt;
81     where StateName="&staten" and Date_Issues is null;
82 run;
83
84 title "closeamount for &staten alifornia";
85
86
87 proc means data=tsa.ClaimsCleaned2 max min sum mean maxdec=0;
88     var Close_Amount;
89     where StateName="&staten" and Date_Issues is null;
90 run;
91
92 +++++

```