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NOTE: SAS (r) Proprietary Software 9.4 (TS1M5)
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NOTE: This session is executing on the X64_10HOME platform.

NOTE: Updated analytical products:

SAS/STAT 14.3
SAS/ETS 14.3
SAS/OR 14.3
SAS/IML 14.3
SAS/QC 14.3

NOTE: Additional host information:

X64_10HOME WIN 10.0.17134 Workstation

NOTE: SAS initialization used:

real time 1.51 seconds
cpu time 0.99 seconds

```
1 title "&SYSUSERID - HW1" ;
2 ods pdf 'C:\Users\vigne\HW1.pdf';
-
22
76
```

ERROR 22-322: Syntax error, expecting one of the following: ;, (, ACCESSIBLE, ANCHOR, AUTHOR, BACKGROUND, BASE, BODY, BOOKMARK, BOOKMARKGEN, BOOKMARKLIST, BOX_SIZING, CLOSE, COLOR, COLUMNS, COMPRESS, CONTENTS, CSSSTYLE, DISPLAY, DOM, DPI, EXCLUDE, FILE, FONTSCALE, GFOOTNOTE, GTITLE, HOST, KEYWORDS, NAMED_DEST, NEWFILE, NOACCESSIBLE, NOBACKGROUND, NOBOOKMARKGEN, NOBOOKMARKLIST, NOCOLOR, NOCONTENTS, NOGFOOTNOTE, NOGTITLE, NOPDFNOTE, NOTOC, PACKAGE, PCL, PDF, PDFMARK, PDFNOTE, PDFTOC, PRINTER, PS, SAS, SELECT, SGE, SHOW, STARTPAGE, STYLE, SUBJECT, TEXT, TITLE, UNIFORM.

ERROR 76-322: Syntax error, statement will be ignored.

```
3 /*****
4 /***** Problem 1 Part A *****/
5 /*****
6
7 FILENAME IN1 "C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\Point_of_Sale.txt"
7 ! ;
8
9 data TRANSACTIONS1;
10 length Transaction_ID $9. Item_ID 8. Product_Code $3. Units Price 8. ;
11 format Price z6.2 Item_ID Units z2.;
12 retain Transaction_ID Count ;
13
14 infile IN1 dsd delimiter='|' ;
15
16 input Transaction_ID $ Count @ ;
17 do Item_ID = 1 to Count ;
18
19 input Product_Code $ Units Price @@ ;
```

```

20             Cost + (Units * Price);
21             output;
22 drop Count;
23
24 FILE "C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\TRANSACTION1_output.txt" ;
25     put Transaction_ID Item_ID Product_Code Units Price Cost;
26     Cost = 0;
27     end ;
28
29 run;

```

NOTE: The infile IN1 is:

Filename=C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\Point_of_Sale.txt,
 RECFM=V,LRECL=32767,File Size (bytes)=8197,
 Last Modified=04Apr2019:16:58:55,
 Create Time=04Apr2019:16:58:55

NOTE: The file "C:\Vignesh\Studies\Spring 19\Adv Analytics using

SAS\HW1\TRANSACTION1_output.txt" is:
 Filename=C:\Vignesh\Studies\Spring 19\Adv Analytics using
 SAS\HW1\TRANSACTION1_output.txt,
 RECFM=V,LRECL=32767,File Size (bytes)=0,
 Last Modified=07Apr2019:19:49:12,
 Create Time=05Apr2019:00:57:50

NOTE: 100 records were read from the infile IN1.

The minimum record length was 23.
 The maximum record length was 141.

NOTE: 537 records were written to the file "C:\Vignesh\Studies\Spring 19\Adv Analytics using
 SAS\HW1\TRANSACTION1_output.txt".

The minimum record length was 30.
 The maximum record length was 34.

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

NOTE: The data set WORK.TRANSACTIONS1 has 537 observations and 6 variables.

NOTE: DATA statement used (Total process time):

real time 0.06 seconds
 cpu time 0.06 seconds

```

30
31 PROC PRINT data = TRANSACTIONS1 double label noobs;
32     VAR Transaction_ID Item_ID Product_Code Units Price Cost;
33 RUN;

```

NOTE: There were 537 observations read from the data set WORK.TRANSACTIONS1.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.02 seconds
 cpu time 0.03 seconds

```

34
35 /*****
36 /***** Problem 1 Part B *****/
37 /*****
38
39 FILENAME IN1 "C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\Point_of_Sale.txt"
39 ! ;

```

```

40
41 data TRANSACTIONS2;
42 length Transaction_ID $9. Item_ID 8. Product_Code $3. Units Price 8. ;
43 format Price z6.2 Item_ID Units z2.;
44 retain Transaction_ID Count ;
45
46 infile IN1 dsd delimiter='|' ;
47
48     input Transaction_ID $ Count @ ;
49         Cost = 0;
50         do Item_ID = 1 to Count ;
51
52             input Product_Code $ Units Price @@ ;
53             Cost + (Units * Price);
54             Prod1=substr(Product_Code,1,1);
55             Prod2=substr(Product_Code,2,1);
56             Prod3=substr(Product_Code,3,1);
57             output;
58
59 FILE "C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\TRANSACTION2_output.txt" ;
60     put Transaction_ID Item_ID Product_Code Prod1 Prod2 Prod3 Units Price Cost;
61     end ;
62 run;

```

NOTE: The infile IN1 is:

```

Filename=C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\Point_of_Sale.txt,
RECFM=V,LRECL=32767,File Size (bytes)=8197,
Last Modified=04Apr2019:16:58:55,
Create Time=04Apr2019:16:58:55

```

NOTE: The file "C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\TRANSACTION2_output.txt" is:

```

Filename=C:\Vignesh\Studies\Spring 19\Adv Analytics using
SAS\HW1\TRANSACTION2_output.txt,
RECFM=V,LRECL=32767,File Size (bytes)=0,
Last Modified=07Apr2019:19:49:13,
Create Time=05Apr2019:01:15:04

```

NOTE: 100 records were read from the infile IN1.

The minimum record length was 23.

The maximum record length was 141.

NOTE: 537 records were written to the file "C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\TRANSACTION2_output.txt".

The minimum record length was 37.

The maximum record length was 41.

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

NOTE: The data set WORK.TRANSACTIONS2 has 537 observations and 10 variables.

NOTE: DATA statement used (Total process time):

```

real time          0.04 seconds
cpu time           0.01 seconds

```

63

64

65 PROC PRINT data = TRANSACTIONS2 double label noobs;

66 VAR Transaction_ID Item_ID Product_Code Prod1 Prod2 Prod3 Units Price Cost;

67 RUN;

NOTE: There were 537 observations read from the data set WORK.TRANSACTIONS2.

NOTE: PROCEDURE PRINT used (Total process time):

real time	0.00 seconds
cpu time	0.01 seconds

68

69 PROC FREQ data = TRANSACTIONS2;

70 TABLE Prod1-Prod3;

71 RUN;

NOTE: There were 537 observations read from the data set WORK.TRANSACTIONS2.

NOTE: PROCEDURE FREQ used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

72

73 PROC FREQ data = TRANSACTIONS2;

74 TABLE Prod2*Prod3 / norow nocol nopct;

75 RUN;

NOTE: There were 537 observations read from the data set WORK.TRANSACTIONS2.

NOTE: PROCEDURE FREQ used (Total process time):

real time	0.01 seconds
cpu time	0.03 seconds

76

77 PROC MEANS data = TRANSACTIONS2;

78 VAR _NUMERIC_;

79 RUN;

NOTE: There were 537 observations read from the data set WORK.TRANSACTIONS2.

NOTE: PROCEDURE MEANS used (Total process time):

real time	0.02 seconds
cpu time	0.03 seconds

80

81 PROC MEANS data = TRANSACTIONS2;

82 VAR _NUMERIC_;

83 BY Transaction_ID;

84 RUN;

NOTE: There were 537 observations read from the data set WORK.TRANSACTIONS2.

NOTE: PROCEDURE MEANS used (Total process time):

real time	1.10 seconds
cpu time	0.06 seconds

85

86 proc univariate data=TRANSACTIONS2;

87 var Cost;

88 BY Transaction_ID;

89 run;

NOTE: PROCEDURE UNIVARIATE used (Total process time):

real time	0.51 seconds
cpu time	0.23 seconds

```
90  goptions nodisplay;
91  ods graphics off;
92  proc univariate data=TRANSACTIONS2 noprint;
93      var Cost;
94      histogram Cost / normal(noprint color=red)
95          name='LG1'
96          vscale=count
97          height=2;
98      inset normal(mu sigma) / pos=nw header='Normal Estimates' height=2;
99  run;
```

NOTE: PROCEDURE UNIVARIATE used (Total process time):

real time	0.22 seconds
cpu time	0.14 seconds

```
100 quit;
101
102 proc univariate data=TRANSACTIONS2 noprint;
103     var Cost;
104     histogram Cost / lognormal(w=3 theta=est)
105         name='LGN1'
106         vscale=count
107         height=2;
108     inset n mean (5.3) std='Std Dev' (5.3) skewness (5.3) /
109         pos = ne header = 'Lognormal Estimates';
110 run;
```

NOTE: At least one W.D format was too small for the number to be printed. The decimal may be shifted by the "BEST" format.

NOTE: PROCEDURE UNIVARIATE used (Total process time):

real time	0.25 seconds
cpu time	0.21 seconds

```
111 quit;
112
113 /* Replay the two graphs into the same template */
114 goptions display;
115
116 proc greplay igout=work.gseg nofs tc=sashelp.templt template=whole;
NOTE: Building list of graphs from the catalog.
```

NOTE: Enter greplay commands or statements.

```
117 treplay 1:LG1 1:LGN1;
```

WARNING: The specified value of 16.5000 inches for HSIZE= is larger than 16.0000 inches which is the maximum for the device WIN. HSIZE is ignored.

WARNING: The specified value of 8.8021 inches for VSIZE= is larger than 8.5313 inches which is the maximum for the device WIN. VSIZE is ignored.

```
118 run;
```

```
119 ods graphics on;
120 quit;
```

NOTE: PROCEDURE GREPLAY used (Total process time):

```
    real time          0.36 seconds
    cpu time           0.32 seconds
```

```
121 PROC IMPORT OUT= WORK.BTS201506
122          DATAFILE= "C:\Vignesh\Studies\Spring 19\Adv Analytics using
122! SAS\HW1\On_Time_On_Time_Performance_2015_6.csv"
123          DBMS=CSV REPLACE;
124          GETNAMES=YES;
125          DATAROW=2;
126 RUN;
```

Number of names found is less than number of variables found.

Number of names found is less than number of variables found.

```
127 /*****
128 *   PRODUCT:   SAS
129 *   VERSION:   9.4
130 *   CREATOR:   External File Interface
131 *   DATE:      07APR19
132 *   DESC:      Generated SAS Datastep Code
133 *   TEMPLATE SOURCE: (None Specified.)
134 *****/
135 data WORK.BTS201506 ;
136 %let _EFIERR_ = 0; /* set the ERROR detection macro variable */
137 infile 'C:\Vignesh\Studies\Spring 19\Adv Analytics using
137! SAS\HW1\On_Time_On_Time_Performance_2015_6.csv' delimiter = ',' MISSOVER DSD lrecl=32767
137! firstobs=2 ;
138 informat Year best32. ;
139 informat Quarter best32. ;
140 informat Month best32. ;
141 informat DayofMonth best32. ;
142 informat DayOfWeek best32. ;
143 informat FlightDate yymmdd10. ;
144 informat UniqueCarrier $4. ;
145 informat AirlineID best32. ;
146 informat Carrier $4. ;
147 informat TailNum $8. ;
148 informat FlightNum $3. ;
149 informat OriginAirportID best32. ;
150 informat OriginAirportSeqID best32. ;
151 informat OriginCityMarketID best32. ;
152 informat Origin $5. ;
153 informat OriginCityName $14. ;
154 informat OriginState $4. ;
155 informat OriginStateFips $4. ;
156 informat OriginStateName $10. ;
157 informat OriginWac best32. ;
158 informat DestAirportID best32. ;
159 informat DestAirportSeqID best32. ;
160 informat DestCityMarketID best32. ;
161 informat Dest $5. ;
162 informat DestCityName $17. ;
163 informat DestState $4. ;
```

164 informat DestStateFips \$4. ;
165 informat DestStateName \$12. ;
166 informat DestWac best32. ;
167 informat CRSDepTime \$6. ;
168 informat DepTime \$6. ;
169 informat DepDelay best32. ;
170 informat DepDelayMinutes best32. ;
171 informat DepDel15 best32. ;
172 informat DepartureDelayGroups best32. ;
173 informat DepTimeBlk \$11. ;
174 informat TaxiOut best32. ;
175 informat WheelsOff \$6. ;
176 informat WheelsOn \$6. ;
177 informat TaxiIn best32. ;
178 informat CRSArrTime \$6. ;
179 informat ArrTime \$6. ;
180 informat ArrDelay best32. ;
181 informat ArrDelayMinutes best32. ;
182 informat ArrDel15 best32. ;
183 informat ArrivalDelayGroups best32. ;
184 informat ArrTimeBlk \$11. ;
185 informat Cancelled best32. ;
186 informat CancellationCode \$2. ;
187 informat Diverted best32. ;
188 informat CRSElapsedTime best32. ;
189 informat ActualElapsedTime best32. ;
190 informat AirTime best32. ;
191 informat Flights best32. ;
192 informat Distance best32. ;
193 informat DistanceGroup best32. ;
194 informat CarrierDelay best32. ;
195 informat WeatherDelay best32. ;
196 informat NASDelay best32. ;
197 informat SecurityDelay best32. ;
198 informat LateAircraftDelay best32. ;
199 informat FirstDepTime \$2. ;
200 informat TotalAddGTime \$1. ;
201 informat LongestAddGTime \$1. ;
202 informat DivAirportLandings best32. ;
203 informat DivReachedDest \$1. ;
204 informat DivActualElapsedTime \$1. ;
205 informat DivArrDelay \$1. ;
206 informat DivDistance \$1. ;
207 informat Div1Airport \$2. ;
208 informat Div1AirportID \$1. ;
209 informat Div1AirportSeqID \$1. ;
210 informat Div1WheelsOn \$2. ;
211 informat Div1TotalGTime \$1. ;
212 informat Div1LongestGTime \$1. ;
213 informat Div1WheelsOff \$2. ;
214 informat Div1TailNum \$2. ;
215 informat Div2Airport \$2. ;
216 informat Div2AirportID \$1. ;
217 informat Div2AirportSeqID \$1. ;
218 informat Div2WheelsOn \$2. ;
219 informat Div2TotalGTime \$1. ;
220 informat Div2LongestGTime \$1. ;

```
221      informat Div2WheelsOff $2. ;
222      informat Div2TailNum $2. ;
223      informat Div3Airport $2. ;
224      informat Div3AirportID $1. ;
225      informat Div3AirportSeqID $1. ;
226      informat Div3WheelsOn $2. ;
227      informat Div3TotalGTime $1. ;
228      informat Div3LongestGTime $1. ;
229      informat Div3WheelsOff $2. ;
230      informat Div3TailNum $2. ;
231      informat Div4Airport $2. ;
232      informat Div4AirportID $1. ;
233      informat Div4AirportSeqID $1. ;
234      informat Div4WheelsOn $2. ;
235      informat Div4TotalGTime $1. ;
236      informat Div4LongestGTime $1. ;
237      informat Div4WheelsOff $2. ;
238      informat Div4TailNum $2. ;
239      informat Div5Airport $2. ;
240      informat Div5AirportID $1. ;
241      informat Div5AirportSeqID $1. ;
242      informat Div5WheelsOn $2. ;
243      informat Div5TotalGTime $1. ;
244      informat Div5LongestGTime $1. ;
245      informat Div5WheelsOff $2. ;
246      informat Div5TailNum $2. ;
247      informat VAR110 $1. ;
248      format Year best12. ;
249      format Quarter best12. ;
250      format Month best12. ;
251      format DayOfMonth best12. ;
252      format DayOfWeek best12. ;
253      format FlightDate yymmdd10. ;
254      format UniqueCarrier $4. ;
255      format AirlineID best12. ;
256      format Carrier $4. ;
257      format TailNum $8. ;
258      format FlightNum $3. ;
259      format OriginAirportID best12. ;
260      format OriginAirportSeqID best12. ;
261      format OriginCityMarketID best12. ;
262      format Origin $5. ;
263      format OriginCityName $14. ;
264      format OriginState $4. ;
265      format OriginStateFips $4. ;
266      format OriginStateName $10. ;
267      format OriginWac best12. ;
268      format DestAirportID best12. ;
269      format DestAirportSeqID best12. ;
270      format DestCityMarketID best12. ;
271      format Dest $5. ;
272      format DestCityName $17. ;
273      format DestState $4. ;
274      format DestStateFips $4. ;
275      format DestStateName $12. ;
276      format DestWac best12. ;
277      format CRSDepTime $6. ;
```



```
278     format DepTime $6. ;
279     format DepDelay best12. ;
280     format DepDelayMinutes best12. ;
281     format DepDel15 best12. ;
282     format DepartureDelayGroups best12. ;
283     format DepTimeBlk $11. ;
284     format TaxiOut best12. ;
285     format WheelsOff $6. ;
286     format WheelsOn $6. ;
287     format TaxiIn best12. ;
288     format CRSArrTime $6. ;
289     format ArrTime $6. ;
290     format ArrDelay best12. ;
291     format ArrDelayMinutes best12. ;
292     format ArrDel15 best12. ;
293     format ArrivalDelayGroups best12. ;
294     format ArrTimeBlk $11. ;
295     format Cancelled best12. ;
296     format CancellationCode $2. ;
297     format Diverted best12. ;
298     format CRSElapsedTime best12. ;
299     format ActualElapsedTime best12. ;
300     format AirTime best12. ;
301     format Flights best12. ;
302     format Distance best12. ;
303     format DistanceGroup best12. ;
304     format CarrierDelay best12. ;
305     format WeatherDelay best12. ;
306     format NASDelay best12. ;
307     format SecurityDelay best12. ;
308     format LateAircraftDelay best12. ;
309     format FirstDepTime $2. ;
310     format TotalAddGTime $1. ;
311     format LongestAddGTime $1. ;
312     format DivAirportLandings best12. ;
313     format DivReachedDest $1. ;
314     format DivActualElapsedTime $1. ;
315     format DivArrDelay $1. ;
316     format DivDistance $1. ;
317     format Div1Airport $2. ;
318     format Div1AirportID $1. ;
319     format Div1AirportSeqID $1. ;
320     format Div1WheelsOn $2. ;
321     format Div1TotalGTime $1. ;
322     format Div1LongestGTime $1. ;
323     format Div1WheelsOff $2. ;
324     format Div1TailNum $2. ;
325     format Div2Airport $2. ;
326     format Div2AirportID $1. ;
327     format Div2AirportSeqID $1. ;
328     format Div2WheelsOn $2. ;
329     format Div2TotalGTime $1. ;
330     format Div2LongestGTime $1. ;
331     format Div2WheelsOff $2. ;
332     format Div2TailNum $2. ;
333     format Div3Airport $2. ;
334     format Div3AirportID $1. ;
```

```

335         format Div3AirportSeqID $1. ;
336         format Div3WheelsOn $2. ;
337         format Div3TotalGTime $1. ;
338         format Div3LongestGTime $1. ;
339         format Div3WheelsOff $2. ;
340         format Div3TailNum $2. ;
341         format Div4Airport $2. ;
342         format Div4AirportID $1. ;
343         format Div4AirportSeqID $1. ;
344         format Div4WheelsOn $2. ;
345         format Div4TotalGTime $1. ;
346         format Div4LongestGTime $1. ;
347         format Div4WheelsOff $2. ;
348         format Div4TailNum $2. ;
349         format Div5Airport $2. ;
350         format Div5AirportID $1. ;
351         format Div5AirportSeqID $1. ;
352         format Div5WheelsOn $2. ;
353         format Div5TotalGTime $1. ;
354         format Div5LongestGTime $1. ;
355         format Div5WheelsOff $2. ;
356         format Div5TailNum $2. ;
357         format VAR110 $1. ;
358     input
359         Year
360         Quarter
361         Month
362         DayofMonth
363         DayOfWeek
364         FlightDate
365         UniqueCarrier $
366         AirlineID
367         Carrier $
368         TailNum $
369         FlightNum $
370         OriginAirportID
371         OriginAirportSeqID
372         OriginCityMarketID
373         Origin $
374         OriginCityName $
375         OriginState $
376         OriginStateFips $
377         OriginStateName $
378         OriginWac
379         DestAirportID
380         DestAirportSeqID
381         DestCityMarketID
382         Dest $
383         DestCityName $
384         DestState $
385         DestStateFips $
386         DestStateName $
387         DestWac
388         CRSDepTime $
389         DepTime $
390         DepDelay
391         DepDelayMinutes

```

392	DepDel15
393	DepartureDelayGroups
394	DepTimeBlk \$
395	TaxiOut
396	WheelsOff \$
397	WheelsOn \$
398	TaxiIn
399	CRSArrTime \$
400	ArrTime \$
401	ArrDelay
402	ArrDelayMinutes
403	ArrDel15
404	ArrivalDelayGroups
405	ArrTimeBlk \$
406	Cancelled
407	CancellationCode \$
408	Diverted
409	CRSElapsedTime
410	ActualElapsedTime
411	AirTime
412	Flights
413	Distance
414	DistanceGroup
415	CarrierDelay
416	WeatherDelay
417	NASDelay
418	SecurityDelay
419	LateAircraftDelay
420	FirstDepTime \$
421	TotalAddGTime \$
422	LongestAddGTime \$
423	DivAirportLandings
424	DivReachedDest \$
425	DivActualElapsedTime \$
426	DivArrDelay \$
427	DivDistance \$
428	Div1Airport \$
429	Div1AirportID \$
430	Div1AirportSeqID \$
431	Div1WheelsOn \$
432	Div1TotalGTime \$
433	Div1LongestGTime \$
434	Div1WheelsOff \$
435	Div1TailNum \$
436	Div2Airport \$
437	Div2AirportID \$
438	Div2AirportSeqID \$
439	Div2WheelsOn \$
440	Div2TotalGTime \$
441	Div2LongestGTime \$
442	Div2WheelsOff \$
443	Div2TailNum \$
444	Div3Airport \$
445	Div3AirportID \$
446	Div3AirportSeqID \$
447	Div3WheelsOn \$
448	Div3TotalGTime \$

```

449             Div3LongestGTime $
450             Div3WheelsOff $
451             Div3TailNum $
452             Div4Airport $
453             Div4AirportID $
454             Div4AirportSeqID $
455             Div4WheelsOn $
456             Div4TotalGTime $
457             Div4LongestGTime $
458             Div4WheelsOff $
459             Div4TailNum $
460             Div5Airport $
461             Div5AirportID $
462             Div5AirportSeqID $
463             Div5WheelsOn $
464             Div5TotalGTime $
465             Div5LongestGTime $
466             Div5WheelsOff $
467             Div5TailNum $
468             VAR110 $
469         ;
470         if _ERROR_ then call symputx('_EFIERR_',1); /* set ERROR detection macro variable */
471     run;

```

NOTE: The infile 'C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\On_Time_On_Time_Performance_2015_6.csv' is:

```

Filename=C:\Vignesh\Studies\Spring 19\Adv Analytics using
SAS\HW1\On_Time_On_Time_Performance_2015_6.csv,
RECFM=V,LRECL=32767,
File Size (bytes)=227418780,
Last Modified=04Apr2019:16:59:32,
Create Time=04Apr2019:16:59:02

```

NOTE: 503897 records were read from the infile 'C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\On_Time_On_Time_Performance_2015_6.csv'.
The minimum record length was 362.
The maximum record length was 531.

NOTE: The data set WORK.BTS201506 has 503897 observations and 110 variables.

NOTE: DATA statement used (Total process time):

```

real time          3.84 seconds
cpu time           3.32 seconds

```

503897 rows created in WORK.BTS201506 from C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\On_Time_On_Time_Performance_2015_6.csv.

NOTE: WORK.BTS201506 data set was successfully created.

NOTE: The data set WORK.BTS201506 has 503897 observations and 110 variables.

NOTE: PROCEDURE IMPORT used (Total process time):

```

real time          4.12 seconds
cpu time           3.59 seconds

```

472

```

473
474 /*****
475 /*****
476
477 filename in201506 "C:\Vignesh\Studies\Spring 19\Adv Analytics using
477! SAS\HW1\On_Time_On_Time_Performance_2015_6.csv" ;
478
479 data BTS201506 ;
480 infile in201506 dsd delimiter="," dlmstr=' ' missover firstobs=2 ;
481
482 length Year 4. Quarter 4. Month 4. DayOfMonth 4. DayOfWeek 4. FlightDate 8. ;
483 format flightdate yymmdd10. ;
484
485 input Year Quarter Month DayOfMonth DayOfWeek FlightDate :yymmdd10. ;
486 if DayOfWeek=7 ;
487 run ;

```

NOTE: The infile IN201506 is:

```

      Filename=C:\Vignesh\Studies\Spring 19\Adv Analytics using
      SAS\HW1\On_Time_On_Time_Performance_2015_6.csv,
      RECFM=V,LRECL=32767,
      File Size (bytes)=227418780,
      Last Modified=04Apr2019:16:59:32,
      Create Time=04Apr2019:16:59:02

```

NOTE: 503897 records were read from the infile IN201506.

The minimum record length was 362.

The maximum record length was 531.

NOTE: The data set WORK.BTS201506 has 66570 observations and 6 variables.

NOTE: DATA statement used (Total process time):

```

      real time          0.68 seconds
      cpu time           0.65 seconds

```

```

488
489
490
491
492 filename in201506 "C:\Vignesh\Studies\Spring 19\Adv Analytics using
492! SAS\HW1\On_Time_On_Time_Performance_2015_6.csv" ;
493
494 data BTS201506 ;

```

NOTE: The data set WORK.BTS201506 has 1 observations and 0 variables.

NOTE: DATA statement used (Total process time):

```

      real time          0.01 seconds
      cpu time           0.00 seconds

```

```

495 data BTS201506
496 (drop = CRSDepTime DepTime CRSArrTime ArrTime FirstDepTime WheelsOff WheelsOn Div1WheelsOn
496! Div1WheelsOff Div2WheelsOn
497 Div2WheelsOff Div3WheelsOn Div3WheelsOff Div4WheelsOn Div4WheelsOff Div5WheelsOn
497! Div5WheelsOff
498 rename =(CRSDepTimeF=CRSDepTime DepTimeF=DepTime CRSArrTimeF=CRSArrTime ArrTimeF=ArrTime
498! FirstDepTimeF=FirstDepTime

```

```

499  WheelsOffF=WheelsOff  WheelsOnF=WheelsOn  Div1WheelsOnF=Div1WheelsOn
499! Div1WheelsOffF=Div1WheelsOff  Div2WheelsOnF=Div2WheelsOn
500  Div2WheelsOffF=Div2WheelsOff  Div3WheelsOnF=Div3WheelsOn  Div3WheelsOffF=Div3WheelsOff
500! Div4WheelsOnF=Div4WheelsOn
501  Div4WheelsOffF=Div4WheelsOff  Div5WheelsOnF=Div5WheelsOn  Div5WheelsOffF=Div5WheelsOff) ) ;
502
503
504  infile in201506 dsd delimiter="," dlmstr=', ' missover firstobs=2 ;
505
506  length Year 4. Quarter 4. Month 4. DayofMonth 4. DayOfWeek 4. FlightDate 8. UniqueCarrier
506! $8. AirlineID $4.
507  Carrier $4. TailNum $10. FlightNum $4. OriginAirportID $8. OriginAirportSeqID $8.
507! OriginCityMarketID $6. Origin $32.
508  OriginCityName $32. OriginState $32. OriginStateFips $32. OriginStateName $32.
508! OriginWac $32. DestAirportID $6.
509  DestAirportSeqID $6. DestCityMarketID $6. Dest $32. DestCityName $32. DestState $32.
509! DestStateFips $32.
510  DestStateName $32. DestWac $32. CRSDepTime $8. CRSDepTimeF 8. DepTime $8. DepTimeF 8.
510! DepDelay 4. DepDelayMinutes 4.
511  DepDel15 4. DepartureDelayGroups 4. DepTimeBlk $9. TaxiOut 4. WheelsOff $8. WheelsOffF
511! 8. WheelsOn $8. WheelsOnF 8.
512  TaxiIn 4. CRSArrTime $8. CRSArrTimeF 8. ArrTime $8. ArrTimeF 8. ArrDelay 4.
512! ArrDelayMinutes 4. ArrDel15 4.
513  ArrivalDelayGroups 4. ArrTimeBlk $9. Cancelled 4. CancellationCode $8. Diverted 4.
513! CRSElapsedTime 4. ActualElapsedTime 4.
514  AirTime 4. Flights 4. Distance 4. DistanceGroup 4. CarrierDelay 4. WeatherDelay 4.
514! NASDelay 4. SecurityDelay 4. LateAircraftDelay 4.
515  FirstDepTime $8. FirstDepTimeF 8. TotalAddGTime 4. LongestAddGTime 4. DivAirportLandings
515! 4. DivReachedDest 4. DivActualElapsedTime 4. DivArrDelay 4.
516  DivDistance 4. Div1Airport $8. Div1AirportID $8. Div1AirportSeqID $8. Div1WheelsOn $8.
516! Div1WheelsOnF 8. Div1TotalGTime 4. Div1LongestGTime 4.
517  Div1WheelsOff $8. Div1WheelsOffF 8. Div1TailNum $8. Div2Airport $8. Div2AirportID $8.
517! Div2AirportSeqID $8. Div2WheelsOn $8. Div2WheelsOnF 8. Div2TotalGTime 4.
518  Div2LongestGTime 4. Div2WheelsOff $8. Div2WheelsOffF 8. Div2TailNum $8. Div3Airport
518! $8. Div3AirportID $8. Div3AirportSeqID $8. Div3WheelsOn $8. Div3WheelsOnF 8.
519  Div3TotalGTime 4. Div3LongestGTime 4. Div3WheelsOff $8. Div3WheelsOffF 8. Div3TailNum
519! $8. Div4Airport $8. Div4AirportID $8. Div4AirportSeqID $8.
520  Div4WheelsOn $8. Div4WheelsOnF 8. Div4TotalGTime 4. Div4LongestGTime 4. Div4WheelsOff
520! $8. Div4WheelsOffF 8. Div4TailNum $8. Div5Airport $8. Div5AirportID $8.
521  Div5AirportSeqID $8. Div5WheelsOn $8. Div5WheelsOnF 8. Div5TotalGTime 4.
521! Div5LongestGTime 4. Div5WheelsOff $8. Div5WheelsOffF 8. Div5TailNum $8. ;
522
523  format flightdate yymmdd10. ;
524
525  input Year Quarter Month DayofMonth DayOfWeek FlightDate :yymmdd10. UniqueCarrier $
525! AirlineID $ Carrier $ TailNum $ FlightNum $
526  OriginAirportID $ OriginAirportSeqID $ OriginCityMarketID $ Origin $ OriginCityName $
526! OriginState $ OriginStateFips $
527  OriginStateName $ OriginWac $ DestAirportID $ DestAirportSeqID $ DestCityMarketID $ Dest $
527! DestCityName $ DestState $
528  DestStateFips $ DestStateName $ DestWac $ CRSDepTime $ DepTime $ DepDelay DepDelayMinutes
528! DepDel15 DepartureDelayGroups
529  DepTimeBlk $ TaxiOut WheelsOff $ WheelsOn $ TaxiIn CRSArrTime $ ArrTime $ ArrDelay
529! ArrDelayMinutes ArrDel15 ArrivalDelayGroups
530  ArrTimeBlk $ Cancelled CancellationCode $ Diverted CRSElapsedTime ActualElapsedTime
530! AirTime Flights Distance DistanceGroup
531  CarrierDelay WeatherDelay NASDelay SecurityDelay LateAircraftDelay FirstDepTime $

```

```

531! TotalAddGTime LongestAddGTime
532 DivAirportLandings DivReachedDest DivActualElapsedTime DivArrDelay DivDistance Div1Airport
532! $ Div1AirportID $ Div1AirportSeqID $
533 Div1WheelsOn $ Div1TotalGTime Div1LongestGTime Div1WheelsOff $ Div1TailNum $ Div2Airport $
533! Div2AirportID $ Div2AirportSeqID $
534 Div2WheelsOn $ Div2TotalGTime Div2LongestGTime Div2WheelsOff $ Div2TailNum $ Div3Airport $
534! Div3AirportID $ Div3AirportSeqID $
535 Div3WheelsOn $ Div3TotalGTime Div3LongestGTime Div3WheelsOff $ Div3TailNum $ Div4Airport $
535! Div4AirportID $ Div4AirportSeqID $
536 Div4WheelsOn $ Div4TotalGTime Div4LongestGTime Div4WheelsOff $ Div4TailNum $ Div5Airport $
536! Div5AirportID $ Div5AirportSeqID $
537 Div5WheelsOn $ Div5TotalGTime Div5LongestGTime Div5WheelsOff $ Div5TailNum $ ;
538
539 if CRSDepTime="2400" then do ;
540     CRSDepTimeF=input("23:59", time5.) ; end ;
541     else do ;
542         format CRSDepTimeF time5. ;
543         CRSDepTimeF=input(substr(CRSDepTime,1,2)||":"||substr(CRSDepTime,3,2), time5.)
543! ; end ;
544
545 if DepTime="2400" then do ;
546     DepTimeF=input("23:59", time5.) ; end ;
547     else do ;
548         format DepTimeF time5. ;
549         DepTimeF=input(substr(DepTime,1,2)||":"||substr(DepTime,3,2), time5.) ; end ;
550
551 if CRSArrTime="2400" then do ;
552     CRSArrTimeF=input("23:59", time5.) ; end ;
553     else do ;
554         format CRSArrTimeF time5. ;
555         CRSArrTimeF=input(substr(CRSArrTime,1,2)||":"||substr(CRSArrTime,3,2), time5.)
555! ; end ;
556
557 if ArrTime="2400" then do ;
558     ArrTimeF=input("23:59", time5.) ; end ;
559     else do ;
560         format ArrTimeF time5. ;
561         ArrTimeF=input(substr(ArrTime,1,2)||":"||substr(ArrTime,3,2), time5.) ; end ;
562
563 if FirstDepTime="2400" then do ;
564     FirstDepTimeF=input("23:59", time5.) ; end ;
565     else do ;
566         format FirstDepTimeF time5. ;
567     FirstDepTimeF=input(substr(FirstDepTime,1,2)||":"||substr(FirstDepTime,3,2),
567! time5.) ; end ;
568
569 if WheelsOff="2400" then do ;
570     WheelsOffF=input("23:59", time5.) ; end ;
571     else do ;
572         format WheelsOffF time5. ;
573     WheelsOffF=input(substr(WheelsOff,1,2)||":"||substr(WheelsOff,3,2), time5.) ;
573! end ;
574
575 if WheelsOn="2400" then do ;
576     WheelsOnF=input("23:59", time5.) ; end ;
577     else do ;
578         format WheelsOnF time5. ;

```

```

579         WheelsOnF=input(substr(WheelsOn,1,2)||":"||substr(WheelsOn,3,2), time5.) ; end
579! ;
580
581 if Div1WheelsOn="2400" then do ;
582     Div1WheelsOnF=input("23:59", time5.) ; end ;
583     else do ;
584         format Div1WheelsOnF time5. ;
585         Div1WheelsOnF=input(substr(Div1WheelsOn,1,2)||":"||substr(Div1WheelsOn,3,2),
585! time5.) ; end ;
586
587 if Div1WheelsOff="2400" then do ;
588     Div1WheelsOffF=input("23:59", time5.) ; end ;
589     else do ;
590         format Div1WheelsOffF time5. ;
591         Div1WheelsOffF=input(substr(Div1WheelsOff,1,2)||":"||substr(Div1WheelsOff,3,2)
591! , time5.) ; end ;
592
593 if Div2WheelsOn="2400" then do ;
594     Div2WheelsOnF=input("23:59", time5.) ; end ;
595     else do ;
596         format Div2WheelsOnF time5. ;
597         Div2WheelsOnF=input(substr(Div2WheelsOn,1,2)||":"||substr(Div2WheelsOn,3,2),
597! time5.) ; end ;
598
599 if Div2WheelsOff="2400" then do ;
600     Div2WheelsOffF=input("23:59", time5.) ; end ;
601     else do ;
602         format Div2WheelsOffF time5. ;
603         Div2WheelsOffF=input(substr(Div2WheelsOff,1,2)||":"||substr(Div2WheelsOff,3,2)
603! , time5.) ; end ;
604
605 if Div3WheelsOn="2400" then do ;
606     Div3WheelsOnF=input("23:59", time5.) ; end ;
607     else do ;
608         format Div3WheelsOnF time5. ;
609         Div3WheelsOnF=input(substr(Div3WheelsOn,1,2)||":"||substr(Div3WheelsOn,3,2),
609! time5.) ; end ;
610
611 if Div3WheelsOff="2400" then do ;
612     Div3WheelsOffF=input("23:59", time5.) ; end ;
613     else do ;
614         format Div3WheelsOffF time5. ;
615         Div3WheelsOffF=input(substr(Div3WheelsOff,1,2)||":"||substr(Div3WheelsOff,3,2)
615! , time5.) ; end ;
616
617 if Div4WheelsOn="2400" then do ;
618     Div4WheelsOnF=input("23:59", time5.) ; end ;
619     else do ;
620         format Div4WheelsOnF time5. ;
621         Div4WheelsOnF=input(substr(Div4WheelsOn,1,2)||":"||substr(Div4WheelsOn,3,2),
621! time5.) ; end ;
622
623 if Div4WheelsOff="2400" then do ;
624     Div4WheelsOffF=input("23:59", time5.) ; end ;
625     else do ;
626         format Div4WheelsOffF time5. ;
627         Div4WheelsOffF=input(substr(Div4WheelsOff,1,2)||":"||substr(Div4WheelsOff,3,2)

```



```

627! , time5.) ; end ;
628
629 if Div5WheelsOn="2400" then do ;
630     Div5WheelsOnF=input("23:59", time5.) ; end ;
631     else do ;
632         format Div5WheelsOnF time5. ;
633         Div5WheelsOnF=input(substr(Div5WheelsOn,1,2)||":"||substr(Div5WheelsOn,3,2),
633! time5.) ; end ;
634
635 if Div5WheelsOff="2400" then do ;
636     Div5WheelsOffF=input("23:59", time5.) ; end ;
637     else do ;
638         format Div5WheelsOffF time5. ;
639         Div5WheelsOffF=input(substr(Div5WheelsOff,1,2)||":"||substr(Div5WheelsOff,3,2),
639! , time5.) ; end ;
640
641
642
643 run ;

```

NOTE: The infile IN201506 is:

```

Filename=C:\Vignesh\Studies\Spring 19\Adv Analytics using
SAS\HW1\On_Time_On_Time_Performance_2015_6.csv,
RECFM=V,LRECL=32767,
File Size (bytes)=227418780,
Last Modified=04Apr2019:16:59:32,
Create Time=04Apr2019:16:59:02

```

NOTE: Invalid argument to function INPUT at line 567 column 27.
NOTE: Invalid argument to function INPUT at line 585 column 27.
NOTE: Invalid argument to function INPUT at line 591 column 28.
NOTE: Invalid argument to function INPUT at line 597 column 27.
NOTE: Invalid argument to function INPUT at line 603 column 28.
NOTE: Invalid argument to function INPUT at line 609 column 27.
NOTE: Invalid argument to function INPUT at line 615 column 28.
NOTE: Invalid argument to function INPUT at line 621 column 27.
NOTE: Invalid argument to function INPUT at line 627 column 28.
NOTE: Invalid argument to function INPUT at line 633 column 27.
NOTE: Invalid argument to function INPUT at line 639 column 28.

```

RULE:  -----1-----2-----3-----4-----5-----6-----7-----8-----+
2      2015,2,6,1,1,2015-06-01,"AA",19805,"AA","N798AA","1",12478,1247802,31703,"JFK","New Y
RULE:  -----1-----2-----3-----4-----5-----6-----7-----8-----+
86     ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
171    ","California",91,"0900","0858",-2.00,0.00,0.00,-1,"0900-0959",66.00,"1004","1219",11
256    .00,"1216","1230",14.00,14.00,0.00,0,"1200-1259",0.00,"",0.00,376.00,392.00,315.00,1.
341    00,2475.00,10,,,,,"",,0,,,,,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"
426    ,,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"

```

```

Year=2015 Quarter=2 Month=6 DayofMonth=1 DayOfWeek=1 FlightDate=2015-06-01 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N798AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0858 DepTimeF=8:58 DepDelay=-2 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=66 WheelsOff=1004 WheelsOffF=10:04
WheelsOn=1219 WheelsOnF=12:19 TaxiIn=11 CRSArrTime=1216 CRSArrTimeF=12:16 ArrTime=1230

```

```
ArrTimeF=12:30 ArrDelay=14 ArrDelayMinutes=14 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=376
ActualElapsedTime=392 AirTime=315 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N =1
```

[illegible]


```
Year=2015 Quarter=2 Month=6 DayOfMonth=4 DayOfWeek=4 FlightDate=2015-06-04 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N789AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDEPTime=0900
CRSDEPTimeF=9:00 DepTime=0854 DepTimeF=8:54 DepDelay=-6 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=26 WheelsOff=0920 WheelsOffF=9:20
WheelsOn=1132 WheelsOnF=11:32 TaxiIn=11 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1143
ArrTimeF=11:43 ArrDelay=-26 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=349 AirTime=312 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N =4
```

```

NOTE: Invalid argument to function INPUT at line 567 column 27.
NOTE: Invalid argument to function INPUT at line 585 column 27.
NOTE: Invalid argument to function INPUT at line 591 column 28.
NOTE: Invalid argument to function INPUT at line 597 column 27.
NOTE: Invalid argument to function INPUT at line 603 column 28.
NOTE: Invalid argument to function INPUT at line 609 column 27.
NOTE: Invalid argument to function INPUT at line 615 column 28.
NOTE: Invalid argument to function INPUT at line 621 column 27.
NOTE: Invalid argument to function INPUT at line 627 column 28.
NOTE: Invalid argument to function INPUT at line 633 column 27.
NOTE: Invalid argument to function INPUT at line 639 column 28.

```

Year=2015 Quarter=2 Month=6 DayOfMonth=5 DayOfWeek=5 FlightDate=2015-06-05 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N797AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0854 DepTimeF=8:54 DepDelay=-6 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=55 WheelsOff=0949 WheelsOffF=9:49
WheelsOn=1211 WheelsOnF=12:11 TaxiIn=10 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1221
ArrTimeF=12:21 ArrDelay=12 ArrDelayMinutes=12 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=387 AirTime=322 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.

```

WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum=
_N=5
ERROR_=1

```

```
Year=2015 Quarter=2 Month=6 DayOfMonth=7 DayOfWeek=5 FlightDate=2015-06-07 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N791AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDEPTime=0900
CRSDEPTimeF=9:00 DepTime=0856 DepTimeF=8:56 DepDelay=-4 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=17 WheelsOff=0913 WheelsOffF=9:13
WheelsOn=1128 WheelsOnF=11:28 TaxiIn=15 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1143
ArrTimeF=11:43 ArrDelay=-26 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=347 AirTime=315 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N =6
```

```
NOTE: Invalid argument to function INPUT at line 585 column 27.
NOTE: Invalid argument to function INPUT at line 591 column 28.
NOTE: Invalid argument to function INPUT at line 597 column 27.
NOTE: Invalid argument to function INPUT at line 603 column 28.
NOTE: Invalid argument to function INPUT at line 609 column 27.
NOTE: Invalid argument to function INPUT at line 615 column 28.
NOTE: Invalid argument to function INPUT at line 621 column 27.
NOTE: Invalid argument to function INPUT at line 627 column 28.
NOTE: Invalid argument to function INPUT at line 633 column 27.
NOTE: Invalid argument to function INPUT at line 639 column 28.
```

```
Year=2015 Quarter=2 Month=6 DayOfMonth=8 DayOfWeek=1 FlightDate=2015-06-08 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N792AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDEPTime=0900
CRSDEPTimeF=9:00 DepTime=0856 DepTimeF=8:56 DepDelay=-4 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=27 WheelsOff=0923 WheelsOffF=9:23
WheelsOn=1142 WheelsOnF=11:42 TaxiIn=41 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1223
ArrTimeF=12:23 ArrDelay=14 ArrDelayMinutes=14 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=387 AirTime=319 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N =7
```

9	2015,2,6,9,2,2015-06-09,"AA",19805,"AA","N799AA","1",12478,1247802,31703,"JFK","New Y
86	ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
171	", "California",91,"0900","0852",-8.00,0.00,0.00,-1,"0900-0959",22.00,"0914","1138",22
256	.00,"1209","1200",-9.00,0.00,0.00,-1,"1200-1259",0.00,"",0.00,369.00,368.00,324.00,1.
341	00,2475.00,10,,,,,,,,,,,,,,0,,,,,,,,,,,,,,0,,,,,,,,,,,,,,0,,,,,,,,,,,,,,0,,,,,,,,,,,,,

```
Year=2015 Quarter=2 Month=6 DayOfMonth=9 DayOfWeek=2 FlightDate=2015-06-09 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N799AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDEPTime=0900
CRSDEPTimeF=9:00 DepTime=0852 DepTimeF=8:52 DepDelay=-8 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=22 WheelsOff=0914 WheelsOffF=9:14
WheelsOn=1138 WheelsOnF=11:38 TaxiIn=22 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1200
ArrTimeF=12:00 ArrDelay=-9 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-1
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=368 AirTime=324 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N =8
```

[illegible]

Year=2015 Quarter=2 Month=6 DayOfMonth=10 DayOfWeek=3 FlightDate=2015-06-10 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N789AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0900 DepTimeF=9:00 DepDelay=0 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=0 DepTimeBlk=0900-0959 TaxiOut=60 WheelsOff=1000 WheelsOffF=10:00
WheelsOn=1210 WheelsOnF=12:10 TaxiIn=13 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1223
ArrTimeF=12:23 ArrDelay=14 ArrDelayMinutes=14 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=383 AirTime=310 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.

DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=9

NOTE: Invalid argument to function INPUT at line 567 column 27.

NOTE: Over 100 NOTES, additional NOTES suppressed.

NOTE: Invalid argument to function INPUT at line 585 column 27.

RULE: ---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+
11 2015,2,6,11,4,2015-06-11,"AA",19805,"AA","N796AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0853",-7.00,0.00,0.00,-1,"0900-0959",20.00,"0913","1133",1
256 4.00,"1209","1147",-22.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,354.00,320.00,
341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,
426 ",,,,,,"",,,,,,"",,,,,,"",452

Year=2015 Quarter=2 Month=6 DayOfMonth=11 DayOfWeek=4 FlightDate=2015-06-11 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N796AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0853 DepTimeF=8:53 DepDelay=-7 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=20 WheelsOff=0913 WheelsOffF=9:13
WheelsOn=1133 WheelsOnF=11:33 TaxiIn=14 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1147
ArrTimeF=11:47 ArrDelay=-22 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=354 AirTime=320 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=10

12 2015,2,6,12,5,2015-06-12,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",19.00,"0915","1129",1
256 2.00,"1209","1141",-28.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,345.00,314.00,
341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,
426 ",,,,,,"",,,,,,"",,,,,,"",452

Year=2015 Quarter=2 Month=6 DayOfMonth=12 DayOfWeek=5 FlightDate=2015-06-12 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA

[illegible]

Year=2015 Quarter=2 Month=6 DayofMonth=15 DayOfWeek=1 FlightDate=2015-06-15 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N795AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0855 DepTimeF=8:55 DepDelay=-5 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=25 WheelsOff=0920 WheelsOffF=9:20
WheelsOn=1138 WheelsOnF=11:38 TaxiIn=17 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1155
ArrTimeF=11:55 ArrDelay=-14 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-1
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=360 AirTime=318 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=13

15 2015,2,6,16,2,2015-06-16,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0855",-5.00,0.00,0.00,-1,"0900-0959",33.00,"0928","1136",1
256 6.00,"1209","1152",-17.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,357.00,308.00,
341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,
426 ",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,
452

Year=2015 Quarter=2 Month=6 DayofMonth=16 DayOfWeek=2 FlightDate=2015-06-16 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0855 DepTimeF=8:55 DepDelay=-5 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=33 WheelsOff=0928 WheelsOffF=9:28
WheelsOn=1136 WheelsOnF=11:36 TaxiIn=16 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1152
ArrTimeF=11:52 ArrDelay=-17 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=357 AirTime=308 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=14

16 2015,2,6,17,3,2015-06-17,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New

```

86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",26.00,"0922","1157",1
RULE: ---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+
256 5.00,"1209","1212",3.00,3.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,376.00,335.00,1.0
341 0,2475.00,10,,,,,,0,,,,,,,"",,,,,,,,,,,,,,,,"",,,,,,,,,,,,,,,,"",,,,,,,,,,,,,,,,"",
426 ,,,,,,,,,,,,,,,,"",449

```

17	2015,2,6,18,4,2015-06-18,"AA",19805,"AA","N789AA","1",12478,1247802,31703,"JFK","New
86	York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171	6","California",91,"0900","0904",4.00,4.00,0.00,0,"0900-0959",25.00,"0929","1135",29.
256	00,"1209","1204",-5.00,0.00,0.00,-1,"1200-1259",0.00,"",0.00,369.00,360.00,306.00,1.0
341	0,2475.00,10,,,,,,0,,,,,,",,,,,,,,,,,,,,,",,,,,,,,,,,,,,,",,,,,,,,,,,,,,,",
426	,,,,,,,,,,,,,,,",,,,,,,,,,,,,,,449

Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=16

18 2015,2,6,19,5,2015-06-19,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",32.00,"0928","1203",8
256 .00,"1209","1211",2.00,2.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,375.00,335.00,1.00
341 ,2475.00,10,,,,,,,,,0,,,
426 ,,,,,,,,,,,,,,,,,,,,,, 448

Year=2015 Quarter=2 Month=6 DayofMonth=19 DayOfWeek=5 FlightDate=2015-06-19 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0856 DepTimeF=8:56 DepDelay=-4 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=32 WheelsOff=0928 WheelsOffF=9:28
WheelsOn=1203 WheelsOnF=12:03 TaxiIn=8 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1211
ArrTimeF=12:11 ArrDelay=2 ArrDelayMinutes=2 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=375 AirTime=335 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=17

19 2015,2,6,21,7,2015-06-21,"AA",19805,"AA","N789AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0910",10.00,10.00,0.00,0,"0900-0959",44.00,"0954","1200",2
256 3.00,"1209","1223",14.00,14.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,373.00,306.00,1
341 .00,2475.00,10,,,,,,,,,0,,,
426 ,,,,,,,,,,,,,,,,,,,,,, 451

Year=2015 Quarter=2 Month=6 DayofMonth=21 DayOfWeek=7 FlightDate=2015-06-21 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N789AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0910 DepTimeF=9:10 DepDelay=10 DepDelayMinutes=10 DepDel15=0
DepartureDelayGroups=0 DepTimeBlk=0900-0959 TaxiOut=44 WheelsOff=0954 WheelsOffF=9:54
WheelsOn=1200 WheelsOnF=12:00 TaxiIn=23 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1223
ArrTimeF=12:23 ArrDelay=14 ArrDelayMinutes=14 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=373 AirTime=306 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=

Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=18

20 2015,2,6,22,1,2015-06-22,"AA",19805,"AA","N792AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0850",-10.00,0.00,0.00,-1,"0900-0959",30.00,"0920","1134",
256 37.00,"1209","1211",2.00,2.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,381.00,314.00,1.
341 00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
426 ,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",, 450

Year=2015 Quarter=2 Month=6 DayofMonth=22 DayOfWeek=1 FlightDate=2015-06-22 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N792AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0850 DepTimeF=8:50 DepDelay=-10 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=30 WheelsOff=0920 WheelsOffF=9:20
WheelsOn=1134 WheelsOnF=11:34 TaxiIn=37 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1211
ArrTimeF=12:11 ArrDelay=2 ArrDelayMinutes=2 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=381 AirTime=314 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=19

WARNING: Limit set by ERRORS= option reached. Further errors of this type will not be printed.

21 2015,2,6,23,2,2015-06-23,"AA",19805,"AA","N792AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0854",-6.00,0.00,0.00,-1,"0900-0959",37.00,"0931","1136",1
256 8.00,"1209","1154",-15.00,0.00,0.00,-1,"1200-1259",0.00,"",0.00,369.00,360.00,305.00,
341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
RULE: ----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+
426 "","","","",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",, 452

Year=2015 Quarter=2 Month=6 DayofMonth=23 DayOfWeek=2 FlightDate=2015-06-23 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N792AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0854 DepTimeF=8:54 DepDelay=-6 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=37 WheelsOff=0931 WheelsOffF=9:31

```

WheelsOn=1136 WheelsOnF=11:36 TaxiIn=18 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1154
ArrTimeF=11:54 ArrDelay=-15 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-1
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=360 AirTime=305 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
_N_=20

```

NOTE: 503897 records were read from the infile IN201506.

The minimum record length was 362.

The maximum record length was 531.

NOTE: Mathematical operations could not be performed at the following places. The results of the operations have been set to missing values.

Each place is given by: (Number of times) at (Line):(Column).

```

8698 at 549:22      9389 at 561:22      500035 at 567:27      9055 at 573:24
9389 at 579:23      501902 at 585:27      502223 at 591:28      503876 at 597:27
503889 at 603:28      503897 at 609:27      503897 at 615:28      503897 at 621:27
503897 at 627:28      503897 at 633:27      503897 at 639:28

```

NOTE: The data set WORK.BTS201506 has 503897 observations and 109 variables.

NOTE: DATA statement used (Total process time):

```

real time          7.55 seconds
cpu time           6.28 seconds

```

```

644
645
646
647 /*****
648 /*****
649 /***** Macrotize Long Strings *****/
650 /*****
651 /*****
652
653 %let droprenamv = (drop = CRSDepTime DepTime CRSArrTime ArrTime FirstDepTime WheelsOff
653! WheelsOn Div1WheelsOn Div1WheelsOff Div2WheelsOn
654 Div2WheelsOff Div3WheelsOn Div3WheelsOff Div4WheelsOn Div4WheelsOff Div5WheelsOn
654! Div5WheelsOff
655 rename =(CRSDepTimeF=CRSDepTime DepTimeF=DepTime CRSArrTimeF=CRSArrTime ArrTimeF=ArrTime
655! FirstDepTimeF=FirstDepTime
656 WheelsOffF=WheelsOff WheelsOnF=WheelsOn Div1WheelsOnF=Div1WheelsOn
656! Div1WheelsOffF=Div1WheelsOff Div2WheelsOnF=Div2WheelsOn
657 Div2WheelsOffF=Div2WheelsOff Div3WheelsOnF=Div3WheelsOn Div3WheelsOffF=Div3WheelsOff
657! Div4WheelsOnF=Div4WheelsOn
658 Div4WheelsOffF=Div4WheelsOff Div5WheelsOnF=Div5WheelsOn Div5WheelsOffF=Div5WheelsOff) ) ;
659
660 %let lengthmv = length Year 4. Quarter 4. Month 4. DayofMonth 4. DayOfWeek 4. FlightDate
660! 8. UniqueCarrier $8. AirlineID $4.
661 Carrier $4. TailNum $10. FlightNum $4. OriginAirportID $8. OriginAirportSeqID $8.

```

```

661! OriginCityMarketID $6. Origin $32.
662 OriginCityName $32. OriginState $32. OriginStateFips $32. OriginStateName $32.
662! OriginWac $32. DestAirportID $6.
663 DestAirportSeqID $6. DestCityMarketID $6. Dest $32. DestCityName $32. DestState $32.
663! DestStateFips $32.
664 DestStateName $32. DestWac $32. CRSDepTime $8. CRSDepTimeF 8. DepTime $8. DepTimeF 8.
664! DepDelay 4. DepDelayMinutes 4.
665 DepDel15 4. DepartureDelayGroups 4. DepTimeBlk $9. TaxiOut 4. WheelsOff $8. WheelsOffF 8.
665! 8. WheelsOn $8. WheelsOnF 8.
666 TaxiIn 4. CRSArrTime $8. CRSArrTimeF 8. ArrTime $8. ArrTimeF 8. ArrDelay 4.
666! ArrDelayMinutes 4. ArrDel15 4.
667 ArrivalDelayGroups 4. ArrTimeBlk $9. Cancelled 4. CancellationCode $8. Diverted 4.
667! CRSElapsedTime 4. ActualElapsedTime 4.
668 AirTime 4. Flights 4. Distance 4. DistanceGroup 4. CarrierDelay 4. WeatherDelay 4.
668! NASDelay 4. SecurityDelay 4. LateAircraftDelay 4.
669 FirstDepTime $8. FirstDepTimeF 8. TotalAddGTime 4. LongestAddGTime 4. DivAirportLandings
669! 4. DivReachedDest 4. DivActualElapsedTime 4. DivArrDelay 4.
670 DivDistance 4. Div1Airport $8. Div1AirportID $8. Div1AirportSeqID $8. Div1WheelsOn $8.
670! Div1WheelsOnF 8. Div1TotalGTime 4. Div1LongestGTime 4.
671 Div1WheelsOff $8. Div1WheelsOffF 8. Div1TailNum $8. Div2Airport $8. Div2AirportID $8.
671! Div2AirportSeqID $8. Div2WheelsOn $8. Div2WheelsOnF 8. Div2TotalGTime 4.
672 Div2LongestGTime 4. Div2WheelsOff $8. Div2WheelsOffF 8. Div2TailNum $8. Div3Airport
672! $8. Div3AirportID $8. Div3AirportSeqID $8. Div3WheelsOn $8. Div3WheelsOnF 8.
673 Div3TotalGTime 4. Div3LongestGTime 4. Div3WheelsOff $8. Div3WheelsOffF 8. Div3TailNum
673! $8. Div4Airport $8. Div4AirportID $8. Div4AirportSeqID $8.
674 Div4WheelsOn $8. Div4WheelsOnF 8. Div4TotalGTime 4. Div4LongestGTime 4. Div4WheelsOff
674! $8. Div4WheelsOffF 8. Div4TailNum $8. Div5Airport $8. Div5AirportID $8.
675 Div5AirportSeqID $8. Div5WheelsOn $8. Div5WheelsOnF 8. Div5TotalGTime 4.
675! Div5LongestGTime 4. Div5WheelsOff $8. Div5WheelsOffF 8. Div5TailNum $8. ;
676
677 %let inputmv = input Year Quarter Month DayOfMonth DayOfWeek FlightDate :yymmdd10.
677! UniqueCarrier $ AirlineID $ Carrier $ TailNum $ FlightNum $
678 OriginAirportID $ OriginAirportSeqID $ OriginCityMarketID $ Origin $ OriginCityName $
678! OriginState $ OriginStateFips $
679 OriginStateName $ OriginWac $ DestAirportID $ DestAirportSeqID $ DestCityMarketID $ Dest $
679! DestCityName $ DestState $
680 DestStateFips $ DestStateName $ DestWac $ CRSDepTime $ DepTime $ DepDelay DepDelayMinutes
680! DepDel15 DepartureDelayGroups
681 DepTimeBlk $ TaxiOut WheelsOff $ WheelsOn $ TaxiIn CRSArrTime $ ArrTime $ ArrDelay
681! ArrDelayMinutes ArrDel15 ArrivalDelayGroups
682 ArrTimeBlk $ Cancelled CancellationCode $ Diverted CRSElapsedTime ActualElapsedTime
682! AirTime Flights Distance DistanceGroup
683 CarrierDelay WeatherDelay NASDelay SecurityDelay LateAircraftDelay FirstDepTime $
683! TotalAddGTime LongestAddGTime
684 DivAirportLandings DivReachedDest DivActualElapsedTime DivArrDelay DivDistance Div1Airport
684! $ Div1AirportID $ Div1AirportSeqID $
685 Div1WheelsOn $ Div1TotalGTime Div1LongestGTime Div1WheelsOff $ Div1TailNum $ Div2Airport $
685! Div2AirportID $ Div2AirportSeqID $
686 Div2WheelsOn $ Div2TotalGTime Div2LongestGTime Div2WheelsOff $ Div2TailNum $ Div3Airport $
686! Div3AirportID $ Div3AirportSeqID $
687 Div3WheelsOn $ Div3TotalGTime Div3LongestGTime Div3WheelsOff $ Div3TailNum $ Div4Airport $
687! Div4AirportID $ Div4AirportSeqID $
688 Div4WheelsOn $ Div4TotalGTime Div4LongestGTime Div4WheelsOff $ Div4TailNum $ Div5Airport $
688! Div5AirportID $ Div5AirportSeqID $
689 Div5WheelsOn $ Div5TotalGTime Div5LongestGTime Div5WheelsOff $ Div5TailNum $ ;
690
691 %macro timevars ;

```

```

692 if CRSDepTime="2400" then do ;
693     CRSDepTimeF=input("23:59", time5.) ; end ;
694     else do ;
695         format CRSDepTimeF time5. ;
696         CRSDepTimeF=input(substr(CRSDepTime,1,2)||":"||substr(CRSDepTime,3,2), time5.)
696! ; end ;
697 if DepTime="2400" then do ;
698     DepTimeF=input("23:59", time5.) ; end ;
699     else do ;
700         format DepTimeF time5. ;
701         DepTimeF=input(substr(DepTime,1,2)||":"||substr(DepTime,3,2), time5.) ; end ;
702 if CRSArrTime="2400" then do ;
703     CRSArrTimeF=input("23:59", time5.) ; end ;
704     else do ;
705         format CRSArrTimeF time5. ;
706         CRSArrTimeF=input(substr(CRSArrTime,1,2)||":"||substr(CRSArrTime,3,2), time5.)
706! ; end ;
707 if ArrTime="2400" then do ;
708     ArrTimeF=input("23:59", time5.) ; end ;
709     else do ;
710         format ArrTimeF time5. ;
711         ArrTimeF=input(substr(ArrTime,1,2)||":"||substr(ArrTime,3,2), time5.) ; end ;
712 if FirstDepTime="2400" then do ;
713     FirstDepTimeF=input("23:59", time5.) ; end ;
714     else do ;
715         format FirstDepTimeF time5. ;
716         FirstDepTimeF=input(substr(FirstDepTime,1,2)||":"||substr(FirstDepTime,3,2),
716! time5.) ; end ;
717 if WheelsOff="2400" then do ;
718     WheelsOffF=input("23:59", time5.) ; end ;
719     else do ;
720         format WheelsOffF time5. ;
721         WheelsOffF=input(substr(WheelsOff,1,2)||":"||substr(WheelsOff,3,2), time5.) ;
721! end ;
722 if WheelsOn="2400" then do ;
723     WheelsOnF=input("23:59", time5.) ; end ;
724     else do ;
725         format WheelsOnF time5. ;
726         WheelsOnF=input(substr(WheelsOn,1,2)||":"||substr(WheelsOn,3,2), time5.) ; end
726! ;
727 if Div1WheelsOn="2400" then do ;
728     Div1WheelsOnF=input("23:59", time5.) ; end ;
729     else do ;
730         format Div1WheelsOnF time5. ;
731         Div1WheelsOnF=input(substr(Div1WheelsOn,1,2)||":"||substr(Div1WheelsOn,3,2),
731! time5.) ; end ;
732 if Div1WheelsOff="2400" then do ;
733     Div1WheelsOffF=input("23:59", time5.) ; end ;
734     else do ;
735         format Div1WheelsOffF time5. ;
736         Div1WheelsOffF=input(substr(Div1WheelsOff,1,2)||":"||substr(Div1WheelsOff,3,2)
736! , time5.) ; end ;
737 if Div2WheelsOn="2400" then do ;
738     Div2WheelsOnF=input("23:59", time5.) ; end ;
739     else do ;
740         format Div2WheelsOnF time5. ;
741         Div2WheelsOnF=input(substr(Div2WheelsOn,1,2)||":"||substr(Div2WheelsOn,3,2),

```



```

741! time5.) ; end ;
742 if Div2WheelsOff="2400" then do ;
743     Div2WheelsOffF=input("23:59", time5.) ; end ;
744     else do ;
745         format Div2WheelsOffF time5. ;
746         Div2WheelsOffF=input(substr(Div2WheelsOff,1,2)||":"||substr(Div2WheelsOff,3,2)
746! , time5.) ; end ;
747 if Div3WheelsOn="2400" then do ;
748     Div3WheelsOnF=input("23:59", time5.) ; end ;
749     else do ;
750         format Div3WheelsOnF time5. ;
751         Div3WheelsOnF=input(substr(Div3WheelsOn,1,2)||":"||substr(Div3WheelsOn,3,2),
751! time5.) ; end ;
752 if Div3WheelsOff="2400" then do ;
753     Div3WheelsOffF=input("23:59", time5.) ; end ;
754     else do ;
755         format Div3WheelsOffF time5. ;
756         Div3WheelsOffF=input(substr(Div3WheelsOff,1,2)||":"||substr(Div3WheelsOff,3,2)
756! , time5.) ; end ;
757 if Div4WheelsOn="2400" then do ;
758     Div4WheelsOnF=input("23:59", time5.) ; end ;
759     else do ;
760         format Div4WheelsOnF time5. ;
761         Div4WheelsOnF=input(substr(Div4WheelsOn,1,2)||":"||substr(Div4WheelsOn,3,2),
761! time5.) ; end ;
762 if Div4WheelsOff="2400" then do ;
763     Div4WheelsOffF=input("23:59", time5.) ; end ;
764     else do ;
765         format Div4WheelsOffF time5. ;
766         Div4WheelsOffF=input(substr(Div4WheelsOff,1,2)||":"||substr(Div4WheelsOff,3,2)
766! , time5.) ; end ;
767 if Div5WheelsOn="2400" then do ;
768     Div5WheelsOnF=input("23:59", time5.) ; end ;
769     else do ;
770         format Div5WheelsOnF time5. ;
771         Div5WheelsOnF=input(substr(Div5WheelsOn,1,2)||":"||substr(Div5WheelsOn,3,2),
771! time5.) ; end ;
772 if Div5WheelsOff="2400" then do ;
773     Div5WheelsOffF=input("23:59", time5.) ; end ;
774     else do ;
775         format Div5WheelsOffF time5. ;
776         Div5WheelsOffF=input(substr(Div5WheelsOff,1,2)||":"||substr(Div5WheelsOff,3,2)
776! , time5.) ; end ;
777 %mend ;
778
779 /*****
780 /*****
781 /***** Reference Multiple Files in Single FILENAME *****/
782 /*****
783 /*****
784
785 data BTS201506_day1 &droprenamemv. ;
786 infile in201506 delimiter="," dsd dlmstr=', ' missover firstobs=2 obs=55000 ;
787
788 &lengthmv. ;
789 format flightdate yymmdd10. ;
790 &inputmv. ;

```

```

791
792 %timevars ;
793
794 if DayOfMonth=1 ;
795
796 run ;

```

NOTE: The infile IN201506 is:

```

Filename=C:\Vignesh\Studies\Spring 19\Adv Analytics using
SAS\HW1\On_Time_On_Time_Performance_2015_6.csv,
RECFM=V,LRECL=32767,
File Size (bytes)=227418780,
Last Modified=04Apr2019:16:59:32,
Create Time=04Apr2019:16:59:02

```

NOTE: Invalid argument to function INPUT at line 6 column 70.
NOTE: Invalid argument to function INPUT at line 10 column 28.
NOTE: Invalid argument to function INPUT at line 11 column 29.
NOTE: Invalid argument to function INPUT at line 13 column 28.
NOTE: Invalid argument to function INPUT at line 14 column 29.
NOTE: Invalid argument to function INPUT at line 15 column 28.
NOTE: Invalid argument to function INPUT at line 17 column 29.
NOTE: Invalid argument to function INPUT at line 18 column 28.
NOTE: Invalid argument to function INPUT at line 19 column 29.
NOTE: Invalid argument to function INPUT at line 21 column 28.
NOTE: Invalid argument to function INPUT at line 22 column 29.

```

RULE:  -----1-----2-----3-----4-----5-----6-----7-----8-----+
2      2015,2,6,1,1,2015-06-01,"AA",19805,"AA","N798AA","1",12478,1247802,31703,"JFK","New Y
      86   ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
      171  ","California",91,"0900","0858",-2.00,0.00,0.00,-1,"0900-0959",66.00,"1004","1219",11
      256  .00,"1216","1230",14.00,14.00,0.00,0,"1200-1259",0.00,"",0.00,376.00,392.00,315.00,1.
      341  00,2475.00,10,,,,,"",0,,,,,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,""
      426  ,,,,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,""

```

```

Year=2015 Quarter=2 Month=6 DayOfMonth=1 DayOfWeek=1 FlightDate=2015-06-01 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N798AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=1289203 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0858 DepTimeF=8:58 DepDelay=-2 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=66 WheelsOff=1004 WheelsOffF=10:04
WheelsOn=1219 WheelsOnF=12:19 TaxiIn=11 CRSArrTime=1216 CRSArrTimeF=12:16 ArrTime=1230
ArrTimeF=12:30 ArrDelay=14 ArrDelayMinutes=14 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=376
ActualElapsedTime=392 AirTime=315 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.

```

```
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
_N=1
```

NOTE: Invalid argument to function INPUT at line 6 column 70.

NOTE: Invalid argument to function INPUT at line 11 column 29.

NOTE: Invalid argument to function INPUT at line 14 column 29.

NOTE: Invalid argument to function INPUT at line 17 column 29.

NOTE: Invalid argument to function INPUT at line 19 column 29.

NOTE: Invalid argument to function INPUT at line 22 column 29.

```

86   ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
171  ","California",91,"0900","0857",-3.00,0.00,0.00,-1,"0900-0959",23.00,"0920","1131",25
256  .00,"1216","1156",-20.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,376.00,359.00,311.00,1
341  .00,2475.00,10,,,,,,0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
426  ",,,,,,,,,,,,,,451

```

AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478

OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892

DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900

DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=23 WheelsOff=0920 WheelsOffF=9:20

```
ArrTimeF=11:56 ArrDelay=-20 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
```

ActualElapsedTime=359 AirTime=311 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.

TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivBeachedDest=. DivActualElapsedTime=.

Div1WheelsOnE=, Div1TotalGTime=, Div1LongestGTime=, Div1WheelsOff=, Div1WheelsOffE=,

Div2TrainNum= Div2Airports= Div2AirportCID= Div2AirportLocID= Div2MiscID= Div2MiscID=

Div3TotalGTime= Div3longestGTime= Div3WheelsOff= Div3WheelsOffE= Div3TailNum=

Div4TotalGTime= Div4longestGTime= Div4WheelsOff= Div4WheelsOffF= Div4TailNum=

Div5TotalGTime= Div5LongestGTime= Div5WheelsOff= Div5WheelsOffE= Div5TailNum= ERROR =

```

_N_2
NOTE: Invalid argument to function INPUT at line 6 column 30

```

NOTE: Invalid argument to function INPUT at line 9 column 79.
NOTE: Invalid argument to function INPUT at line 10 column 28

NOTE: Invalid argument to function INPUT at line 10 column 28.
NOTE: Invalid argument to function INPUT at line 11 column 29.

NOTE: Invalid argument to function INPUT at line 13 column 28.

NOTE: Invalid argument to function INPUT at line 14 column 28.

```
NOTE: Invalid argument to function INPUT at line 14 column 29.
NOTE: Invalid argument to function INPUT at line 15 column 28.
```

NOTE: Invalid argument to function INPUT at line 13 column 28.

NOTE: Invalid argument to function INPUT at line 17 column 29.

```
NOTE: Invalid argument to function INPUT at line 18 column 28.
NOTE: Invalid argument to function INPUT at line 19 column 29.
```

NOTE: Invalid argument to function INPUT at line 21 column 28.

```
NOTE: Invalid argument to function INPUT at line 21 column 28.
NOTE: Invalid argument to function INPUT at line 22 column 22.
```

```
NOTE: Invalid argument to function INPUT at line 22 column 29.
1          2015 0 6 2 2 2015 06 02 "AA" 10005 "AA" "N300AA" "1" 10170 1017000 01700 "LEK" "N
```

86 ark NY" "NY" "36" "New York" 22 12802 1280203 32575 "LA" "Los Angeles, CA" "CA" "06

[illegible]

```
NOTE: Invalid argument to function INPUT at line 6 column 70.
NOTE: Invalid argument to function INPUT at line 10 column 28.
NOTE: Invalid argument to function INPUT at line 11 column 29.
NOTE: Invalid argument to function INPUT at line 13 column 28.
NOTE: Invalid argument to function INPUT at line 14 column 29.
NOTE: Invalid argument to function INPUT at line 15 column 28.
NOTE: Invalid argument to function INPUT at line 17 column 29.
NOTE: Invalid argument to function INPUT at line 18 column 28.
NOTE: Invalid argument to function INPUT at line 19 column 29.
NOTE: Invalid argument to function INPUT at line 21 column 28.
NOTE: Invalid argument to function INPUT at line 22 column 29.
```

Year=2015 Quarter=2 Month=6 DayOfMonth=4 DayOfWeek=4 FlightDate=2015-06-04 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N789AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0854 DepTimeF=8:54 DepDelay=-6 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=26 WheelsOff=0920 WheelsOffF=9:20
WheelsOn=1132 WheelsOnF=11:32 TaxiIn=11 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1143
ArrTimeF=11:43 ArrDelay=-26 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369

[illegible]

```

NOTE: Invalid argument to function INPUT at line 6 column 70.
NOTE: Invalid argument to function INPUT at line 10 column 28.
NOTE: Invalid argument to function INPUT at line 11 column 29.
NOTE: Invalid argument to function INPUT at line 13 column 28.
NOTE: Invalid argument to function INPUT at line 14 column 29.
NOTE: Invalid argument to function INPUT at line 15 column 28.
NOTE: Invalid argument to function INPUT at line 17 column 29.
NOTE: Invalid argument to function INPUT at line 18 column 28.
NOTE: Invalid argument to function INPUT at line 19 column 29.
NOTE: Invalid argument to function INPUT at line 21 column 28.
NOTE: Invalid argument to function INPUT at line 22 column 29.

```

8 2015,2,6,8,1,2015-06-08,"AA",19805,"AA","N792AA","1",12478,1247802,31703,"JFK","New Y
86 ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
171 ","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",27.00,"0923","1142",41
256 .00,"1209","1223",14.00,14.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,387.00,319.00,1.

[illegible]

NOTE: Invalid argument to function INPUT at line 6 column 70.

NOTE: Invalid argument to function INPUT at line 10 column 28.

NOTE: Invalid argument to function INPUT at line 11 column 29.

NOTE: Invalid argument to function INPUT at line 13 column 28.

NOTE: Invalid argument to function INPUT at line 14 column 29.

NOTE: Invalid argument to function INPUT at line 15 column 28.

NOTE: Invalid argument to function INPUT at line 17 column 29.

NOTE: Invalid argument to function INPUT at line 18 column 28.

NOTE: Invalid argument to function INPUT at line 19 column 29.

NOTE: Invalid argument to function INPUT at line 21 column 28.

NOTE: Invalid argument to function INPUT at line 22 column 29.

[illegible]

```
Year=2015 Quarter=2 Month=6 DayOfMonth=9 DayOfWeek=2 FlightDate=2015-06-09 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N799AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0852 DepTimeF=8:52 DepDelay=-8 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=22 WheelsOff=0914 WheelsOffF=9:14
WheelsOn=1138 WheelsOnF=11:38 TaxiIn=22 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1200
ArrTimeF=12:00 ArrDelay=-9 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-1
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=368 AirTime=324 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
```

```
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum=
_ERROR_=1
_N=8
```

Year=2015 Quarter=2 Month=6 DayOfMonth=10 DayOfWeek=3 FlightDate=2015-06-10 UniqueCarrier=AA
 AirlineID=1980 Carrier=AA TailNum=N789AA FlightNum=1 OriginAirportID=12478
 OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
 OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
 DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
 DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDEPTime=0900
 CRSDEPTimeF=9:00 DepTime=0900 DepTimeF=9:00 DepDelay=0 DepDelayMinutes=0 DepDel15=0
 DepartureDelayGroups=0 DepTimeBlk=0900-0959 TaxiOut=60 WheelsOff=1000 WheelsOffF=10:00
 WheelsOn=1210 WheelsOnF=12:10 TaxiIn=13 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1223
 ArrTimeF=12:23 ArrDelay=14 ArrDelayMinutes=14 ArrDel15=0 ArrivalDelayGroups=0
 ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
 ActualElapsedTime=383 AirTime=310 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
 WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
 TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
 DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
 Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
 Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
 Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
 Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
 Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
 Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
 Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
 Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
 Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
 N =9

11 2015,2,6,11,4,2015-06-11,"AA",19805,"AA","N796AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0853",-7.00,0.00,0.00,-1,"0900-0959",20.00,"0913","1133",1
256 4.00,"1209","1147",-22.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,354.00,320.00,
341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,
426 "","","","","","","","","","","","", 452

Year=2015 Quarter=2 Month=6 DayOfMonth=11 DayOfWeek=4 FlightDate=2015-06-11 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N796AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0853 DepTimeF=8:53 DepDelay=-7 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=20 WheelsOff=0913 WheelsOffF=9:13
WheelsOn=1133 WheelsOnF=11:33 TaxiIn=14 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1147
ArrTimeF=11:47 ArrDelay=-22 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=354 AirTime=320 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=10

12 2015,2,6,12,5,2015-06-12,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",19.00,"0915","1129",1
256 2.00,"1209","1141",-28.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,345.00,314.00,
341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,
426 "","","","","","","","","","","","", 452

Year=2015 Quarter=2 Month=6 DayOfMonth=12 DayOfWeek=5 FlightDate=2015-06-12 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0856 DepTimeF=8:56 DepDelay=-4 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=19 WheelsOff=0915 WheelsOffF=9:15
WheelsOn=1129 WheelsOnF=11:29 TaxiIn=12 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1141
ArrTimeF=11:41 ArrDelay=-28 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=345 AirTime=314 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=

Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
 Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
 Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
 Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
 Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
 Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
 Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
 Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
 Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
 N=13
 15 2015,2,6,16,2,2015-06-16,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New
 86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
 171 6","California",91,"0900","0855",-5.00,0.00,0.00,-1,"0900-0959",33.00,"0928","1136",1
 256 6.00,"1209","1152",-17.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,357.00,308.00,
 341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
 426 ",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
 Year=2015 Quarter=2 Month=6 DayofMonth=16 DayOfWeek=2 FlightDate=2015-06-16 UniqueCarrier=AA
 AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478
 OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
 OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
 DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
 DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
 CRSDepTimeF=9:00 DepTime=0855 DepTimeF=8:55 DepDelay=-5 DepDelayMinutes=0 DepDel15=0
 DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=33 WheelsOff=0928 WheelsOffF=9:28
 WheelsOn=1136 WheelsOnF=11:36 TaxiIn=16 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1152
 ArrTimeF=11:52 ArrDelay=-17 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
 ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
 ActualElapsedTime=357 AirTime=308 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
 WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
 TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
 DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
 Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
 Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
 Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
 Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
 Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
 Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
 Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
 Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
 Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
 N=14
 16 2015,2,6,17,3,2015-06-17,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New
 86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
 171 6","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",26.00,"0922","1157",1
 RULE: ----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+
 256 5.00,"1209","1212",3.00,3.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,376.00,335.00,1.0
 341 0,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
 426 ,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
 Year=2015 Quarter=2 Month=6 DayofMonth=17 DayOfWeek=3 FlightDate=2015-06-17 UniqueCarrier=AA
 AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478
 OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
 OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
 DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
 DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
 CRSDepTimeF=9:00 DepTime=0856 DepTimeF=8:56 DepDelay=-4 DepDelayMinutes=0 DepDel15=0
 DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=26 WheelsOff=0922 WheelsOffF=9:22
 WheelsOn=1157 WheelsOnF=11:57 TaxiIn=15 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1212

ArrTimeF=12:12 ArrDelay=3 ArrDelayMinutes=3 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=376 AirTime=335 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=15

17 2015,2,6,18,4,2015-06-18,"AA",19805,"AA","N789AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0904",4.00,4.00,0.00,0,"0900-0959",25.00,"0929","1135",29.
256 00,"1209","1204",-5.00,0.00,0.00,-1,"1200-1259",0.00,"",0.00,369.00,360.00,306.00,1.0
341 0,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
426 ,,,,,,"",,,,,,"",,,,,,"",449

Year=2015 Quarter=2 Month=6 DayOfMonth=18 DayOfWeek=4 FlightDate=2015-06-18 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N789AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0904 DepTimeF=9:04 DepDelay=4 DepDelayMinutes=4 DepDel15=0
DepartureDelayGroups=0 DepTimeBlk=0900-0959 TaxiOut=25 WheelsOff=0929 WheelsOffF=9:29
WheelsOn=1135 WheelsOnF=11:35 TaxiIn=29 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1204
ArrTimeF=12:04 ArrDelay=-5 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-1
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=360 AirTime=306 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=16

18 2015,2,6,19,5,2015-06-19,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",32.00,"0928","1203",8
256 .00,"1209","1211",2.00,2.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,375.00,335.00,1.00
341 ,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
426 ,,,,,,"",,,,,,"",,,,,,"",448

Year=2015 Quarter=2 Month=6 DayOfMonth=19 DayOfWeek=5 FlightDate=2015-06-19 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892

DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0856 DepTimeF=8:56 DepDelay=-4 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=32 WheelsOff=0928 WheelsOffF=9:28
WheelsOn=1203 WheelsOnF=12:03 TaxiIn=8 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1211
ArrTimeF=12:11 ArrDelay=2 ArrDelayMinutes=2 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=375 AirTime=335 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=17

19 2015,2,6,21,7,2015-06-21,"AA",19805,"AA","N789AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0910",10.00,10.00,0.00,0,"0900-0959",44.00,"0954","1200",2
256 3.00,"1209","1223",14.00,14.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,373.00,306.00,1
341 .00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,""
426 ",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,""

Year=2015 Quarter=2 Month=6 DayofMonth=21 DayOfWeek=7 FlightDate=2015-06-21 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N789AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0910 DepTimeF=9:10 DepDelay=10 DepDelayMinutes=10 DepDel15=0
DepartureDelayGroups=0 DepTimeBlk=0900-0959 TaxiOut=44 WheelsOff=0954 WheelsOffF=9:54
WheelsOn=1200 WheelsOnF=12:00 TaxiIn=23 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1223
ArrTimeF=12:23 ArrDelay=14 ArrDelayMinutes=14 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=373 AirTime=306 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=18

20 2015,2,6,22,1,2015-06-22,"AA",19805,"AA","N792AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0850",-10.00,0.00,0.00,-1,"0900-0959",30.00,"0920","1134",
256 37.00,"1209","1211",2.00,2.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,381.00,314.00,1.
341 00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,""

426 ,,,,"",,"",,"",,"",,"",,"", 450

Year=2015 Quarter=2 Month=6 DayofMonth=22 DayOfWeek=1 FlightDate=2015-06-22 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N792AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0850 DepTimeF=8:50 DepDelay=-10 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=30 WheelsOff=0920 WheelsOffF=9:20
WheelsOn=1134 WheelsOnF=11:34 TaxiIn=37 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1211
ArrTimeF=12:11 ArrDelay=2 ArrDelayMinutes=2 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=381 AirTime=314 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=19

WARNING: Limit set by ERRORS= option reached. Further errors of this type will not be printed.

21 2015,2,6,23,2,2015-06-23,"AA",19805,"AA","N792AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0854",-6.00,0.00,0.00,-1,"0900-0959",37.00,"0931","1136",1
256 8.00,"1209","1154",-15.00,0.00,0.00,-1,"1200-1259",0.00,"",0.00,369.00,360.00,305.00,
341 1.00,2475.00,10,,,,,"",,0,,,,,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,
RULE: ----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+
426 ",,,,"",,"",,"",,"",,"",,"", 452

Year=2015 Quarter=2 Month=6 DayofMonth=23 DayOfWeek=2 FlightDate=2015-06-23 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N792AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0854 DepTimeF=8:54 DepDelay=-6 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=37 WheelsOff=0931 WheelsOffF=9:31
WheelsOn=1136 WheelsOnF=11:36 TaxiIn=18 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1154
ArrTimeF=11:54 ArrDelay=-15 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-1
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=360 AirTime=305 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.

Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=20

NOTE: 54999 records were read from the infile IN201506.

The minimum record length was 365.

The maximum record length was 531.

NOTE: Mathematical operations could not be performed at the following places. The results of the operations have been set to missing values.

Each place is given by: (Number of times) at (Line):(Column).

582 at 2:132	632 at 5:78	54537 at 6:70	611 at 7:64	632 at 9:43
54777 at 10:28	54798 at 11:29	54998 at 13:28	54998 at 14:29	54999 at 15:28
54999 at 17:29	54999 at 18:28	54999 at 19:29	54999 at 21:28	54999 at 22:29

NOTE: The data set WORK.BTS201506_DAY1 has 2440 observations and 109 variables.

NOTE: DATA statement used (Total process time):

real time 1.10 seconds

cpu time 1.01 seconds

797

```
798 /*****  
799 /*****  
800 /***** Reference Multiple Files in a SAS Dataset Manifest *****/  
801 /*****  
802 /*****  
803 data manifest ;  
804 infile datalines firstobs=1 ;  
805 length fil2read $155;  
806 input fil2read $155.;  
807 datalines;
```

NOTE: The data set WORK.MANIFEST has 1 observations and 1 variables.

NOTE: DATA statement used (Total process time):

real time 0.08 seconds

cpu time 0.01 seconds

```
809 ;  
810  
811  
812  
813 data one &droprenamemv. ;  
814 set manifest ;  
815 infile dummy filevar=fil2read end=done dsd delimiter=', ' firstobs=2 obs=max ;  
816  
817 &lengthmv. ;  
818  
819 do while(not done);  
820 &inputmv. ;  
821  
822 %timevars ;  
823  
824 /*if _N_>0 and DayOfMonth=1 then do ; output; end;*/  
825 /*if _N_>0 and Month=6 and Carrier="AA" then do ; output; end;*/  
826 * if Carrier ^= "Carr" ;  
827  
828 output ;  
829 end;  
830 run ;
```

NOTE: The variable fil2read exists on an input data set, but was also specified in an I/O statement option. The variable will not be included on any output data set.

NOTE: The infile DUMMY is:

Filename=C:\Vignesh\Studies\Spring 19\Adv Analytics using
SAS\HW1\On_Time_On_Time_Performance_2015_6.csv,
RECFM=V,LRECL=32767,
File Size (bytes)=227418780,
Last Modified=04Apr2019:16:59:32,
Create Time=04Apr2019:16:59:02

NOTE: Invalid argument to function INPUT at line 7 column 70.
NOTE: Invalid argument to function INPUT at line 11 column 28.
NOTE: Invalid argument to function INPUT at line 13 column 29.
NOTE: Invalid argument to function INPUT at line 14 column 28.
NOTE: Invalid argument to function INPUT at line 15 column 29.
NOTE: Invalid argument to function INPUT at line 17 column 28.
NOTE: Invalid argument to function INPUT at line 18 column 29.
NOTE: Invalid argument to function INPUT at line 19 column 28.
NOTE: Invalid argument to function INPUT at line 21 column 29.
NOTE: Invalid argument to function INPUT at line 22 column 28.
NOTE: Invalid argument to function INPUT at line 23 column 29.
NOTE: Invalid argument to function INPUT at line 7 column 70.
NOTE: Invalid argument to function INPUT at line 11 column 28.
NOTE: Invalid argument to function INPUT at line 13 column 29.
NOTE: Invalid argument to function INPUT at line 14 column 28.
NOTE: Invalid argument to function INPUT at line 15 column 29.
NOTE: Invalid argument to function INPUT at line 17 column 28.
NOTE: Invalid argument to function INPUT at line 18 column 29.
NOTE: Invalid argument to function INPUT at line 19 column 28.
NOTE: Invalid argument to function INPUT at line 21 column 29.
NOTE: Invalid argument to function INPUT at line 22 column 28.
NOTE: Invalid argument to function INPUT at line 23 column 29.
NOTE: Invalid argument to function INPUT at line 7 column 70.
NOTE: Invalid argument to function INPUT at line 11 column 28.
NOTE: Invalid argument to function INPUT at line 13 column 29.
NOTE: Invalid argument to function INPUT at line 14 column 28.
NOTE: Invalid argument to function INPUT at line 15 column 29.
NOTE: Invalid argument to function INPUT at line 17 column 28.
NOTE: Invalid argument to function INPUT at line 18 column 29.
NOTE: Invalid argument to function INPUT at line 19 column 28.
NOTE: Invalid argument to function INPUT at line 21 column 29.
NOTE: Invalid argument to function INPUT at line 22 column 28.
NOTE: Invalid argument to function INPUT at line 23 column 29.
NOTE: Invalid argument to function INPUT at line 7 column 70.
NOTE: Invalid argument to function INPUT at line 11 column 28.
NOTE: Invalid argument to function INPUT at line 13 column 29.
NOTE: Invalid argument to function INPUT at line 14 column 28.
NOTE: Invalid argument to function INPUT at line 15 column 29.
NOTE: Invalid argument to function INPUT at line 17 column 28.
NOTE: Invalid argument to function INPUT at line 18 column 29.
NOTE: Invalid argument to function INPUT at line 19 column 28.
NOTE: Invalid argument to function INPUT at line 21 column 29.
NOTE: Invalid argument to function INPUT at line 22 column 28.
NOTE: Invalid argument to function INPUT at line 23 column 29.
NOTE: Invalid argument to function INPUT at line 7 column 70.

[illegible]

```

RULE:      +-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+
503898      2015,2,6,24,3,2015-06-24,"US",20355,"US", "N926UW", "464",14107,1410702,30466,"PHX", "Ph
           86 oenix, AZ", "AZ", "04", "Arizona",81,11298,1129804,30194,"DFW", "Dallas/Fort Worth, TX", "
          171 TX", "48", "Texas",74,"2145", "2152",7.00,7.00,0.00,0, "2100-2159",19.00, "2211", "0159",6.
          256 00, "0200", "0205",5.00,5.00,0.00,0, "0001-0559",0.00, "",0.00,135.00,133.00,108.00,1.00,
          341 868.00,4,,,,, "",0,,,,, "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", ""
          426 , "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", ""
           445

```

```

fil2read=C:\Vignesh\Studies\Spring 19\Adv Analytics using SAS\HW1\On_Time_On_Time_Performance_2
015_6.csv done=1 Year=2015 Quarter=2 Month=6 DayofMonth=24 DayOfWeek=3 FlightDate=20263
UniqueCarrier=US AirlineID=2035 Carrier=US TailNum=N926UW FlightNum=464 OriginAirportID=14107
OriginAirportSeqID=1410702 OriginCityMarketID=30466 Origin=PHX OriginCityName=Phoenix, AZ
OriginState=AZ OriginStateFips=04 OriginStateName=Arizona OriginWac=81 DestAirportID=11298
DestAirportSeqID=112980 DestCityMarketID=30194 Dest=DFW DestCityName=Dallas/Fort Worth, TX
DestState=TX DestStateFips=48 DestStateName=Texas DestWac=74 CRSDepTime=2145 CRSDepTimeF=21:45
DepTime=2152 DepTimeF=21:52 DepDelay=7 DepDelayMinutes=7 DepDel15=0 DepartureDelayGroups=0
DepTimeBlk=2100-2159 TaxiOut=19 WheelsOff=2211 WheelsOffF=22:11 WheelsOn=0159 WheelsOnF=1:59
TaxiIn=6 CRSArrTime=0200 CRSArrTimeF=2:00 ArrTime=0205 ArrTimeF=2:05 ArrDelay=5
ArrDelayMinutes=5 ArrDel15=0 ArrivalDelayGroups=0 ArrTimeBlk=0001-0559 Cancelled=0
CancellationCode= Diverted=0 CRSElapsedTime=135 ActualElapsedTime=133 AirTime=108 Flights=1
Distance=868 DistanceGroup=4 CarrierDelay=. WeatherDelay=. NASDelay=. SecurityDelay=.
LateAircraftDelay=. FirstDepTime= FirstDepTimeF=. TotalAddGTime=. LongestAddGTime=.
DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=. DivArrDelay=. DivDistance=.
Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn= Div1WheelsOnF=.
Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=. Div1TailNum=
Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
_N_=1

```

NOTE: 503897 records were read from the infile DUMMY.

The minimum record length was 362.

The maximum record length was 531.

NOTE: Mathematical operations could not be performed at the following places. The results of the operations have been set to missing values.

Each place is given by: (Number of times) at (Line):(Column).

```

8698 at 3:132      9389 at 6:78      500035 at 7:70      9055 at 9:64      9389 at 10:43
501902 at 11:28   502223 at 13:29   503876 at 14:28   503889 at 15:29   503897 at 17:28
503897 at 18:29   503897 at 19:28   503897 at 21:29   503897 at 22:28   503897 at 23:29

```

NOTE: There were 1 observations read from the data set WORK.MANIFEST.

NOTE: The data set WORK.ONE has 503897 observations and 109 variables.

NOTE: DATA statement used (Total process time):

real time 5.48 seconds

cpu time 4.98 seconds

831

832

833 /*****

834 /*****

835 /***** Conventional *****/

836 /*****

837 /*****

838 filename bts1 "C:\Vignesh\Studies\Spring 19\Adv Analytics using

```

838! SAS\HW1\On_Time_On_Time_Performance_2015_6.csv" ;
839
840
841 data one &droprenamemv. ;
842 infile bts1 dsd delimiter=', ' firstobs=2 ;
843
844     &lengthmv. ;
845
846     &inputmv. ;
847
848     %timevars ;
849 run ;

```

NOTE: The infile BTS1 is:

```

Filename=C:\Vignesh\Studies\Spring 19\Adv Analytics using
SAS\HW1\On_Time_On_Time_Performance_2015_6.csv,
RECFM=V,LRECL=32767,
File Size (bytes)=227418780,
Last Modified=04Apr2019:16:59:32,
Create Time=04Apr2019:16:59:02

```

NOTE: Invalid argument to function INPUT at line 7 column 70.
NOTE: Invalid argument to function INPUT at line 11 column 28.
NOTE: Invalid argument to function INPUT at line 13 column 29.
NOTE: Invalid argument to function INPUT at line 14 column 28.
NOTE: Invalid argument to function INPUT at line 15 column 29.
NOTE: Invalid argument to function INPUT at line 17 column 28.
NOTE: Invalid argument to function INPUT at line 18 column 29.
NOTE: Invalid argument to function INPUT at line 19 column 28.
NOTE: Invalid argument to function INPUT at line 21 column 29.
NOTE: Invalid argument to function INPUT at line 22 column 28.
NOTE: Invalid argument to function INPUT at line 23 column 29.

```

RULE:  -----1-----2-----3-----4-----5-----6-----7-----8-----+
2      2015,2,6,1,1,2015-06-01,"AA",19805,"AA","N798AA","1",12478,1247802,31703,"JFK","New Y
86     ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
171    ","California",91,"0900","0858",-2.00,0.00,0.00,-1,"0900-0959",66.00,"1004","1219",11
256    .00,"1216","1230",14.00,14.00,0.00,0,"1200-1259",0.00,"",0.00,376.00,392.00,315.00,1.
341    00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,""
426    ,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,""

```

```

Year=2015 Quarter=2 Month=6 DayofMonth=1 DayOfWeek=1 FlightDate=20240 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N798AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0858 DepTimeF=8:58 DepDelay=-2 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=66 WheelsOff=1004 WheelsOffF=10:04
WheelsOn=1219 WheelsOnF=12:19 TaxiIn=11 CRSArrTime=1216 CRSArrTimeF=12:16 ArrTime=1230
ArrTimeF=12:30 ArrDelay=14 ArrDelayMinutes=14 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=376
ActualElapsedTime=392 AirTime=315 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.

```


NOTE: Invalid argument to function INPUT at line 19 column 28.

NOTE: Invalid argument to function INPUT at line 21 column 29.

NOTE: Invalid argument to function INPUT at line 22 column 28.

NOTE: Invalid argument to function INPUT at line 23 column 29.

RULE: -----1-----2-----3-----4-----5-----6-----7-----8-----+
4 2015,2,6,3,3,2015-06-03,"AA",19805,"AA","N790AA","1",12478,1247802,31703,"JFK","New Y
86 ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
171 ","California",91,"0900","0852",-8.00,0.00,0.00,-1,"0900-0959",57.00,"0949","1219",12
256 .00,"1216","1231",15.00,15.00,1.00,1,"1200-1259",0.00,"",0.00,376.00,399.00,330.00,1.
341 00,2475.00,10,0.00,0.00,15.00,0.00,0.00,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,""
426 ,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
 471

Year=2015 Quarter=2 Month=6 DayofMonth=3 DayOfWeek=3 FlightDate=20242 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N790AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0852 DepTimeF=8:52 DepDelay=-8 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=57 WheelsOff=0949 WheelsOffF=9:49
WheelsOn=1219 WheelsOnF=12:19 TaxiIn=12 CRSArrTime=1216 CRSArrTimeF=12:16 ArrTime=1231
ArrTimeF=12:31 ArrDelay=15 ArrDelayMinutes=15 ArrDel15=1 ArrivalDelayGroups=1
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=376
ActualElapsedTime=399 AirTime=330 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=0
WeatherDelay=0 NASDelay=15 SecurityDelay=0 LateAircraftDelay=0 FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=3

NOTE: Invalid argument to function INPUT at line 7 column 70.

NOTE: Invalid argument to function INPUT at line 11 column 28.

NOTE: Invalid argument to function INPUT at line 13 column 29.

NOTE: Invalid argument to function INPUT at line 14 column 28.

NOTE: Invalid argument to function INPUT at line 15 column 29.

NOTE: Invalid argument to function INPUT at line 17 column 28.

NOTE: Invalid argument to function INPUT at line 18 column 29.

NOTE: Invalid argument to function INPUT at line 19 column 28.

NOTE: Invalid argument to function INPUT at line 21 column 29.

NOTE: Invalid argument to function INPUT at line 22 column 28.

NOTE: Invalid argument to function INPUT at line 23 column 29.

5 2015,2,6,4,4,2015-06-04,"AA",19805,"AA","N789AA","1",12478,1247802,31703,"JFK","New Y
86 ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
171 ","California",91,"0900","0854",-6.00,0.00,0.00,-1,"0900-0959",26.00,"0920","1132",11
256 .00,"1209","1143",-26.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,349.00,312.00,1
341 .00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,""
426 ,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
 451

Year=2015 Quarter=2 Month=6 DayofMonth=4 DayOfWeek=4 FlightDate=20243 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N789AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892

DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0854 DepTimeF=8:54 DepDelay=-6 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=26 WheelsOff=0920 WheelsOffF=9:20
WheelsOn=1132 WheelsOnF=11:32 TaxiIn=11 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1143
ArrTimeF=11:43 ArrDelay=-26 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=349 AirTime=312 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=4

NOTE: Invalid argument to function INPUT at line 7 column 70.
NOTE: Invalid argument to function INPUT at line 11 column 28.
NOTE: Invalid argument to function INPUT at line 13 column 29.
NOTE: Invalid argument to function INPUT at line 14 column 28.
NOTE: Invalid argument to function INPUT at line 15 column 29.
NOTE: Invalid argument to function INPUT at line 17 column 28.
NOTE: Invalid argument to function INPUT at line 18 column 29.
NOTE: Invalid argument to function INPUT at line 19 column 28.
NOTE: Invalid argument to function INPUT at line 21 column 29.
NOTE: Invalid argument to function INPUT at line 22 column 28.
NOTE: Invalid argument to function INPUT at line 23 column 29.

6 2015,2,6,5,5,2015-06-05,"AA",19805,"AA","N797AA","1",12478,1247802,31703,"JFK","New Y
86 ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
171 ","California",91,"0900","0854",-6.00,0.00,0.00,-1,"0900-0959",55.00,"0949","1211",10
256 .00,"1209","1221",12.00,12.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,387.00,322.00,1.
341 00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
426 ,,,,"",,,,,,"",,,,,,"",450

Year=2015 Quarter=2 Month=6 DayOfMonth=5 DayOfWeek=5 FlightDate=20244 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N797AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0854 DepTimeF=8:54 DepDelay=-6 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=55 WheelsOff=0949 WheelsOffF=9:49
WheelsOn=1211 WheelsOnF=12:11 TaxiIn=10 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1221
ArrTimeF=12:21 ArrDelay=12 ArrDelayMinutes=12 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=387 AirTime=322 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.

Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=5

NOTE: Invalid argument to function INPUT at line 7 column 70.
NOTE: Invalid argument to function INPUT at line 11 column 28.
NOTE: Invalid argument to function INPUT at line 13 column 29.
NOTE: Invalid argument to function INPUT at line 14 column 28.
NOTE: Invalid argument to function INPUT at line 15 column 29.
NOTE: Invalid argument to function INPUT at line 17 column 28.
NOTE: Invalid argument to function INPUT at line 18 column 29.
NOTE: Invalid argument to function INPUT at line 19 column 28.
NOTE: Invalid argument to function INPUT at line 21 column 29.
NOTE: Invalid argument to function INPUT at line 22 column 28.
NOTE: Invalid argument to function INPUT at line 23 column 29.

7 2015,2,6,7,7,2015-06-07,"AA",19805,"AA","N791AA","1",12478,1247802,31703,"JFK","New Y
86 ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
171 ","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",17.00,"0913","1128",15
256 .00,"1209","1143",-26.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,347.00,315.00,1
341 .00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
426 ",,,,,,"",,,,,,"",,,,,,"",451

Year=2015 Quarter=2 Month=6 DayofMonth=7 DayofWeek=7 FlightDate=20246 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N791AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0856 DepTimeF=8:56 DepDelay=-4 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=17 WheelsOff=0913 WheelsOffF=9:13
WheelsOn=1128 WheelsOnF=11:28 TaxiIn=15 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1143
ArrTimeF=11:43 ArrDelay=-26 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=347 AirTime=315 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=6

NOTE: Invalid argument to function INPUT at line 7 column 70.
NOTE: Invalid argument to function INPUT at line 11 column 28.
NOTE: Invalid argument to function INPUT at line 13 column 29.
NOTE: Invalid argument to function INPUT at line 14 column 28.
NOTE: Invalid argument to function INPUT at line 15 column 29.
NOTE: Invalid argument to function INPUT at line 17 column 28.
NOTE: Invalid argument to function INPUT at line 18 column 29.
NOTE: Invalid argument to function INPUT at line 19 column 28.
NOTE: Invalid argument to function INPUT at line 21 column 29.

NOTE: Invalid argument to function INPUT at line 22 column 28.

NOTE: Invalid argument to function INPUT at line 23 column 29.

```
8      2015,2,6,8,1,2015-06-08,"AA",19805,"AA","N792AA","1",12478,1247802,31703,"JFK","New Y
86     ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
171    ","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",27.00,"0923","1142",41
256    .00,"1209","1223",14.00,14.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,387.00,319.00,1.
341    00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,""
426    ,,,,"",,,,,,"",,,,,,"",, 450
```

Year=2015 Quarter=2 Month=6 DayofMonth=8 DayOfWeek=1 FlightDate=20247 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N792AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0856 DepTimeF=8:56 DepDelay=-4 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=27 WheelsOff=0923 WheelsOffF=9:23
WheelsOn=1142 WheelsOnF=11:42 TaxiIn=41 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1223
ArrTimeF=12:23 ArrDelay=14 ArrDelayMinutes=14 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=387 AirTime=319 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=7

NOTE: Invalid argument to function INPUT at line 7 column 70.

NOTE: Invalid argument to function INPUT at line 11 column 28.

NOTE: Invalid argument to function INPUT at line 13 column 29.

NOTE: Invalid argument to function INPUT at line 14 column 28.

NOTE: Invalid argument to function INPUT at line 15 column 29.

NOTE: Invalid argument to function INPUT at line 17 column 28.

NOTE: Invalid argument to function INPUT at line 18 column 29.

NOTE: Invalid argument to function INPUT at line 19 column 28.

NOTE: Invalid argument to function INPUT at line 21 column 29.

NOTE: Invalid argument to function INPUT at line 22 column 28.

NOTE: Invalid argument to function INPUT at line 23 column 29.

```
9      2015,2,6,9,2,2015-06-09,"AA",19805,"AA","N799AA","1",12478,1247802,31703,"JFK","New Y
RULE:  ----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+
86     ork, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","06
171    ","California",91,"0900","0852",-8.00,0.00,0.00,-1,"0900-0959",22.00,"0914","1138",22
256    .00,"1209","1200",-9.00,0.00,0.00,-1,"1200-1259",0.00,"",0.00,369.00,368.00,324.00,1.
341    00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,""
426    ,,,,"",,,,,,"",,,,,,"",, 450
```

Year=2015 Quarter=2 Month=6 DayofMonth=9 DayOfWeek=2 FlightDate=20248 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N799AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900


```
CRSDepTimeF=9:00 DepTime=0852 DepTimeF=8:52 DepDelay=-8 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=22 WheelsOff=0914 WheelsOffF=9:14
WheelsOn=1138 WheelsOnF=11:38 TaxiIn=22 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1200
ArrTimeF=12:00 ArrDelay=-9 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-1
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=368 AirTime=324 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
_N=8
```

[illegible]

Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=9

NOTE: Invalid argument to function INPUT at line 7 column 70.

NOTE: Over 100 NOTES, additional NOTES suppressed.

NOTE: Invalid argument to function INPUT at line 11 column 28.

```
11      2015,2,6,11,4,2015-06-11,"AA",19805,"AA","N796AA","1",12478,1247802,31703,"JFK","New
      86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
    171 6","California",91,"0900","0853",-7.00,0.00,0.00,-1,"0900-0959",20.00,"0913","1133",1
    256 4.00,"1209","1147",-22.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,354.00,320.00,
    341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
    426 ",,,,,,"",,,,,,"",,,,,,"", 452
```

Year=2015 Quarter=2 Month=6 DayOfMonth=11 DayOfWeek=4 FlightDate=20250 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N796AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0853 DepTimeF=8:53 DepDelay=-7 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=20 WheelsOff=0913 WheelsOffF=9:13
WheelsOn=1133 WheelsOnF=11:33 TaxiIn=14 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1147
ArrTimeF=11:47 ArrDelay=-22 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=354 AirTime=320 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=10

```
12      2015,2,6,12,5,2015-06-12,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New
      86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
    171 6","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",19.00,"0915","1129",1
    256 2.00,"1209","1141",-28.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,345.00,314.00,
    341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
    426 ",,,,,,"",,,,,,"",,,,,,"", 452
```

Year=2015 Quarter=2 Month=6 DayOfMonth=12 DayOfWeek=5 FlightDate=20251 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0856 DepTimeF=8:56 DepDelay=-4 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=19 WheelsOff=0915 WheelsOffF=9:15
WheelsOn=1129 WheelsOnF=11:29 TaxiIn=12 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1141
ArrTimeF=11:41 ArrDelay=-28 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=345 AirTime=314 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.

TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=11

13 2015,2,6,14,7,2015-06-14,"AA",19805,"AA","N796AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0853",-7.00,0.00,0.00,-1,"0900-0959",25.00,"0918","1131",1
256 1.00,"1209","1142",-27.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,349.00,313.00,
341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,
426 "","","","",,,,,,"",,,,,,"",452

Year=2015 Quarter=2 Month=6 DayOfMonth=14 DayOfWeek=7 FlightDate=20253 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N796AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0853 DepTimeF=8:53 DepDelay=-7 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=25 WheelsOff=0918 WheelsOffF=9:18
WheelsOn=1131 WheelsOnF=11:31 TaxiIn=11 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1142
ArrTimeF=11:42 ArrDelay=-27 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=349 AirTime=313 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=12

14 2015,2,6,15,1,2015-06-15,"AA",19805,"AA","N795AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0855",-5.00,0.00,0.00,-1,"0900-0959",25.00,"0920","1138",1
256 7.00,"1209","1155",-14.00,0.00,0.00,-1,"1200-1259",0.00,"",0.00,369.00,360.00,318.00,
341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,
426 "","","","",,,,,,"",,,,,,"",452

Year=2015 Quarter=2 Month=6 DayOfMonth=15 DayOfWeek=1 FlightDate=20254 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N795AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0855 DepTimeF=8:55 DepDelay=-5 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=25 WheelsOff=0920 WheelsOffF=9:20

WheelsOn=1138 WheelsOnF=11:38 TaxiIn=17 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1155
ArrTimeF=11:55 ArrDelay=-14 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-1
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=360 AirTime=318 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=13

15 2015,2,6,16,2,2015-06-16,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0855",-5.00,0.00,0.00,-1,"0900-0959",33.00,"0928","1136",1
256 6.00,"1209","1152",-17.00,0.00,0.00,-2,"1200-1259",0.00,"",0.00,369.00,357.00,308.00,
341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,
426 "",,,,,,"",,,,,,"",,,,,,"",452

Year=2015 Quarter=2 Month=6 DayOfMonth=16 DayOfWeek=2 FlightDate=20255 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0855 DepTimeF=8:55 DepDelay=-5 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=33 WheelsOff=0928 WheelsOffF=9:28
WheelsOn=1136 WheelsOnF=11:36 TaxiIn=16 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1152
ArrTimeF=11:52 ArrDelay=-17 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-2
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=357 AirTime=308 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=14

16 2015,2,6,17,3,2015-06-17,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",26.00,"0922","1157",1
256 5.00,"1209","1212",3.00,3.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,376.00,335.00,1.0
341 0,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,
426 ,, "",,,,,,"",,,,,,"",,,,,,"",449

Year=2015 Quarter=2 Month=6 DayOfMonth=17 DayOfWeek=3 FlightDate=20256 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY

OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
 DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
 DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
 CRSDepTimeF=9:00 DepTime=0856 DepTimeF=8:56 DepDelay=-4 DepDelayMinutes=0 DepDel15=0
 DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=26 WheelsOff=0922 WheelsOffF=9:22
 WheelsOn=1157 WheelsOnF=11:57 TaxiIn=15 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1212
 ArrTimeF=12:12 ArrDelay=3 ArrDelayMinutes=3 ArrDel15=0 ArrivalDelayGroups=0
 ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
 ActualElapsedTime=376 AirTime=335 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
 WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
 TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
 DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
 Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
 Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
 Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
 Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
 Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
 Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
 Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
 Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
 Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
 N=15
 17 2015,2,6,18,4,2015-06-18,"AA",19805,"AA","N789AA","1",12478,1247802,31703,"JFK","New
 86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
 171 6","California",91,"0900","0904",4.00,4.00,0.00,0,"0900-0959",25.00,"0929","1135",29.
 RULE: - - - - - 1 - - - - - 2 - - - - - 3 - - - - - 4 - - - - - 5 - - - - - 6 - - - - - 7 - - - - - 8 - - - - -
 256 00,"1209","1204",-5.00,0.00,0.00,-1,"1200-1259",0.00,"",0.00,369.00,360.00,306.00,1.0
 341 0,2475.00,10,,,,,"",0,,,,,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",,"",
 426 ,,"",
 Year=2015 Quarter=2 Month=6 DayofMonth=18 DayOfWeek=4 FlightDate=20257 UniqueCarrier=AA
 AirlineID=1980 Carrier=AA TailNum=N789AA FlightNum=1 OriginAirportID=12478
 OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
 OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
 DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
 DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
 CRSDepTimeF=9:00 DepTime=0904 DepTimeF=9:04 DepDelay=4 DepDelayMinutes=4 DepDel15=0
 DepartureDelayGroups=0 DepTimeBlk=0900-0959 TaxiOut=25 WheelsOff=0929 WheelsOffF=9:29
 WheelsOn=1135 WheelsOnF=11:35 TaxiIn=29 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1204
 ArrTimeF=12:04 ArrDelay=-5 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-1
 ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
 ActualElapsedTime=360 AirTime=306 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
 WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
 TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
 DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
 Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
 Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
 Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
 Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
 Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
 Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
 Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
 Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
 Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
 N=16
 18 2015,2,6,19,5,2015-06-19,"AA",19805,"AA","N788AA","1",12478,1247802,31703,"JFK","New
 86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
 171 6","California",91,"0900","0856",-4.00,0.00,0.00,-1,"0900-0959",32.00,"0928","1203",8

256 .00,"1209","1211",2.00,2.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,375.00,335.00,1.00
341 ,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
426 ,,,,,,"",,,,,,"",,,,,,"", 448

Year=2015 Quarter=2 Month=6 DayOfMonth=19 DayOfWeek=5 FlightDate=20258 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N788AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0856 DepTimeF=8:56 DepDelay=-4 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=32 WheelsOff=0928 WheelsOffF=9:28
WheelsOn=1203 WheelsOnF=12:03 TaxiIn=8 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1211
ArrTimeF=12:11 ArrDelay=2 ArrDelayMinutes=2 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=375 AirTime=335 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=17

19 2015,2,6,21,7,2015-06-21,"AA",19805,"AA","N789AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0910",10.00,10.00,0.00,0,"0900-0959",44.00,"0954","1200",2
256 3.00,"1209","1223",14.00,14.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,373.00,306.00,1
341 .00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
426 ,,,,,,"",,,,,,"",,,,,,"", 451

Year=2015 Quarter=2 Month=6 DayOfMonth=21 DayOfWeek=7 FlightDate=20260 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N789AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0910 DepTimeF=9:10 DepDelay=10 DepDelayMinutes=10 DepDel15=0
DepartureDelayGroups=0 DepTimeBlk=0900-0959 TaxiOut=44 WheelsOff=0954 WheelsOffF=9:54
WheelsOn=1200 WheelsOnF=12:00 TaxiIn=23 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1223
ArrTimeF=12:23 ArrDelay=14 ArrDelayMinutes=14 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=373 AirTime=306 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.

Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=18

20 2015,2,6,22,1,2015-06-22,"AA",19805,"AA","N792AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0850",-10.00,0.00,0.00,-1,"0900-0959",30.00,"0920","1134",
256 37.00,"1209","1211",2.00,2.00,0.00,0,"1200-1259",0.00,"",0.00,369.00,381.00,314.00,1.
341 00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
426 ,,,,"",,,,,,"",,,,,,"", 450

Year=2015 Quarter=2 Month=6 DayOfMonth=22 DayOfWeek=1 FlightDate=20261 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N792AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0850 DepTimeF=8:50 DepDelay=-10 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=30 WheelsOff=0920 WheelsOffF=9:20
WheelsOn=1134 WheelsOnF=11:34 TaxiIn=37 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1211
ArrTimeF=12:11 ArrDelay=2 ArrDelayMinutes=2 ArrDel15=0 ArrivalDelayGroups=0
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=381 AirTime=314 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.
Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=19

WARNING: Limit set by ERRORS= option reached. Further errors of this type will not be printed.

21 2015,2,6,23,2,2015-06-23,"AA",19805,"AA","N792AA","1",12478,1247802,31703,"JFK","New
86 York, NY","NY","36","New York",22,12892,1289203,32575,"LAX","Los Angeles, CA","CA","0
171 6","California",91,"0900","0854",-6.00,0.00,0.00,-1,"0900-0959",37.00,"0931","1136",1
256 8.00,"1209","1154",-15.00,0.00,0.00,-1,"1200-1259",0.00,"",0.00,369.00,360.00,305.00,
341 1.00,2475.00,10,,,,,"",0,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",,,,,,"",
426 ,,,,"",,,,,,"",,,,,,"", 452

Year=2015 Quarter=2 Month=6 DayOfMonth=23 DayOfWeek=2 FlightDate=20262 UniqueCarrier=AA
AirlineID=1980 Carrier=AA TailNum=N792AA FlightNum=1 OriginAirportID=12478
OriginAirportSeqID=1247802 OriginCityMarketID=31703 Origin=JFK OriginCityName=New York, NY
OriginState=NY OriginStateFips=36 OriginStateName=New York OriginWac=22 DestAirportID=12892
DestAirportSeqID=128920 DestCityMarketID=32575 Dest=LAX DestCityName=Los Angeles, CA
DestState=CA DestStateFips=06 DestStateName=California DestWac=91 CRSDepTime=0900
CRSDepTimeF=9:00 DepTime=0854 DepTimeF=8:54 DepDelay=-6 DepDelayMinutes=0 DepDel15=0
DepartureDelayGroups=-1 DepTimeBlk=0900-0959 TaxiOut=37 WheelsOff=0931 WheelsOffF=9:31
WheelsOn=1136 WheelsOnF=11:36 TaxiIn=18 CRSArrTime=1209 CRSArrTimeF=12:09 ArrTime=1154
ArrTimeF=11:54 ArrDelay=-15 ArrDelayMinutes=0 ArrDel15=0 ArrivalDelayGroups=-1
ArrTimeBlk=1200-1259 Cancelled=0 CancellationCode= Diverted=0 CRSElapsedTime=369
ActualElapsedTime=360 AirTime=305 Flights=1 Distance=2475 DistanceGroup=10 CarrierDelay=.
WeatherDelay=. NASDelay=. SecurityDelay=. LateAircraftDelay=. FirstDepTime= FirstDepTimeF=.
TotalAddGTime=. LongestAddGTime=. DivAirportLandings=0 DivReachedDest=. DivActualElapsedTime=.
DivArrDelay=. DivDistance=. Div1Airport= Div1AirportID= Div1AirportSeqID= Div1WheelsOn=
Div1WheelsOnF=. Div1TotalGTime=. Div1LongestGTime=. Div1WheelsOff= Div1WheelsOffF=.
Div1TailNum= Div2Airport= Div2AirportID= Div2AirportSeqID= Div2WheelsOn= Div2WheelsOnF=.

Div2TotalGTime=. Div2LongestGTime=. Div2WheelsOff= Div2WheelsOffF=. Div2TailNum=
Div3Airport= Div3AirportID= Div3AirportSeqID= Div3WheelsOn= Div3WheelsOnF=.
Div3TotalGTime=. Div3LongestGTime=. Div3WheelsOff= Div3WheelsOffF=. Div3TailNum=
Div4Airport= Div4AirportID= Div4AirportSeqID= Div4WheelsOn= Div4WheelsOnF=.
Div4TotalGTime=. Div4LongestGTime=. Div4WheelsOff= Div4WheelsOffF=. Div4TailNum=
Div5Airport= Div5AirportID= Div5AirportSeqID= Div5WheelsOn= Div5WheelsOnF=.
Div5TotalGTime=. Div5LongestGTime=. Div5WheelsOff= Div5WheelsOffF=. Div5TailNum= _ERROR_=1
N=20

NOTE: 503897 records were read from the infile BTS1.

The minimum record length was 362.

The maximum record length was 531.

NOTE: Mathematical operations could not be performed at the following places. The results of the operations have been set to missing values.

Each place is given by: (Number of times) at (Line):(Column).

8698 at 3:132	9389 at 6:78	500035 at 7:70	9055 at 9:64	9389 at 10:43
501902 at 11:28	502223 at 13:29	503876 at 14:28	503889 at 15:29	503897 at 17:28
503897 at 18:29	503897 at 19:28	503897 at 21:29	503897 at 22:28	503897 at 23:29

NOTE: The data set WORK.ONE has 503897 observations and 109 variables.

NOTE: DATA statement used (Total process time):

real time 8.48 seconds

cpu time 6.23 seconds

850

851

852

853 data One ;

854 set One ;

855 run ;

NOTE: There were 503897 observations read from the data set WORK.ONE.

NOTE: The data set WORK.ONE has 503897 observations and 109 variables.

NOTE: DATA statement used (Total process time):

real time 2.88 seconds

cpu time 0.67 seconds

856

857 proc sort data=one ;

858 by Carrier TailNum FlightDate CRSDepTime FlightNum ;

859 run ;

NOTE: There were 503897 observations read from the data set WORK.ONE.

NOTE: The data set WORK.ONE has 503897 observations and 109 variables.

NOTE: PROCEDURE SORT used (Total process time):

real time 2.33 seconds

cpu time 1.43 seconds

860

861

862

863 data BTS_lag_delays_201506 ;

864 retain DepDelayLag 0 DepDelayLagCum 0 ArrDelayLag 0 ArrDelayLagCum 0 DepDelayLag2 0

864! ArrDelayLag2 0;

865 format flightdate yymmdd10. SeqNum DepDelayLagInd DepDelayLag DepDelayLagCum

865! ArrDelayLagInd ArrDelayLag ArrDelayLagCum DepDelayLag2 ArrDelayLag2 4. ;


```

866 set one ;
867 by Carrier TailNum FlightDate ;
868 if first.FlightDate=1 then do ;
869     DepDelayLag=0 ;
870     DepDelayLag2=0 ;
871     DepDelayLagInd=0 ;
872     DepDelayLagCum=0 ;
873
874     ArrDelayLag=0 ;
875     ArrDelayLag2=0 ;
876     ArrDelayLagInd=0 ;
877     ArrDelayLagCum=0 ;
878
879     SeqNum=1 ;
880 end ;
881
882
883 else do ;
884     SeqNum+1 ;
885     DepDelayLagInd=(DepDelayLag>0) ;
886     DepDelayLagCum+DepDelayLag ;
887     ArrDelayLagInd=(ArrDelayLag>0) ;
888     ArrDelayLagCum+ArrDelayLag ;
889 end ;
890
891 if SeqNum=2 then do;
892     DepDelayLag2=0;
893     ArrDelayLag2=0;
894 end;
895
896 output ;
897
898 DepDelayLag=DepDelay ;
899 ArrDelayLag=ArrDelay ;
900 DepDelayLag2=lag(DepDelay) ;
901 ArrDelayLag2=lag(ArrDelay) ;
902
903 run ;

```

NOTE: There were 503897 observations read from the data set WORK.ONE.

NOTE: The data set WORK.BTS_LAG_DELAYS_201506 has 503897 observations and 118 variables.

NOTE: DATA statement used (Total process time):

real time	3.21 seconds
cpu time	0.92 seconds

904

905

```

906 proc univariate data=BTS_lag_delays_201506;
907     var ArrDelay ArrDelayLag ArrDelayLag2;
908 run;

```

NOTE: PROCEDURE UNIVARIATE used (Total process time):

real time	1.32 seconds
cpu time	0.68 seconds

```

909 goptions nodisplay;
910 ods graphics off;
911 proc univariate data=BTS_lag_delays_201506 noprint;
912   var ArrDelay;
913   histogram ArrDelay / normal(noprint color=red)
914     name='LG2'
915     vscale=count
916     height=2;
917   inset normal(mu sigma) / pos=nw header='Normal Estimates' height=2;
918 run;

```

NOTE: PROCEDURE UNIVARIATE used (Total process time):

```

      real time          0.49 seconds
      cpu time           0.48 seconds

```

```

919 quit;
920
921 proc univariate data=BTS_lag_delays_201506 noprint;
922   var ArrDelay;
923   histogram ArrDelay / lognormal(w=3 theta=est)
924     name='LGN2'
925     vscale=count
926     height=2;
927   inset n mean (5.3) std='Std Dev' (5.3) skewness (5.3) /
928     pos = ne header = 'Lognormal Estimates';
929 run;

```

NOTE: At least one W.D format was too small for the number to be printed. The decimal may be shifted by the "BEST" format.

NOTE: PROCEDURE UNIVARIATE used (Total process time):

```

      real time          0.69 seconds
      cpu time           0.60 seconds

```

```

930 quit;
931
932 /* Replay the two graphs into the same template */
933 goptions display;
934 proc greplay igout=work.gseg nofs tc=sashelp.templt template=whole;
NOTE: Building list of graphs from the catalog.

```

NOTE: Enter greplay commands or statements.

```

935   treplay 1:LG2 1:LGN2;

```

WARNING: The specified value of 16.5000 inches for HSIZE= is larger than 16.0000 inches which is the maximum for the device WIN. HSIZE is ignored.

WARNING: The specified value of 8.8021 inches for VSIZE= is larger than 8.5313 inches which is the maximum for the device WIN. VSIZE is ignored.

```

936 run;

```

```

937 ods graphics on;
938 quit;

```

NOTE: PROCEDURE GREPLAY used (Total process time):

```

      real time          0.38 seconds
      cpu time           0.31 seconds

```

```

939 goptions nodisplay;
940 ods graphics off;
941 proc univariate data=BTS_lag_delays_201506 noprint;
942   var ArrDelayLag;
943   histogram ArrDelayLag / normal(noprint color=red)
944     name='LG3'
945     vscale=count
946     height=2;
947   inset normal(mu sigma) / pos=nw header='Normal Estimates' height=2;
948 run;

```

NOTE: PROCEDURE UNIVARIATE used (Total process time):

```

      real time          0.58 seconds
      cpu time           0.57 seconds

```

```

949 quit;
950
951 proc univariate data=BTS_lag_delays_201506 noprint;
952   var ArrDelayLag;
953   histogram ArrDelayLag / lognormal(w=3 theta=est)
954     name='LGN3'
955     vscale=count
956     height=2;
957   inset n mean (5.3) std='Std Dev' (5.3) skewness (5.3) /
958     pos = ne header = 'Lognormal Estimates';
959 run;

```

NOTE: At least one W.D format was too small for the number to be printed. The decimal may be shifted by the "BEST" format.

NOTE: PROCEDURE UNIVARIATE used (Total process time):

```

      real time          1.40 seconds
      cpu time           0.90 seconds

```

```

960 quit;
961
962 /* Replay the two graphs into the same template */
963 goptions display;
964 proc greplay igout=work.gseg nofs tc=sashelp.templt template=whole;
NOTE: Building list of graphs from the catalog.

```

NOTE: Enter greplay commands or statements.

```

965   treplay 1:LG3 1:LGN3;

```

WARNING: The specified value of 16.5000 inches for HSIZE= is larger than 16.0000 inches which is the maximum for the device WIN. HSIZE is ignored.

WARNING: The specified value of 8.8021 inches for VSIZE= is larger than 8.5313 inches which is the maximum for the device WIN. VSIZE is ignored.

```

966 run;

```

```

967 ods graphics on;

```

```

968 quit;

```

NOTE: PROCEDURE GREPLAY used (Total process time):

```

      real time          0.22 seconds
      cpu time           0.18 seconds

```

```

969 goptions nodisplay;
970 ods graphics off;
971 proc univariate data=BTS_lag_delays_201506 noprint;
972   var ArrDelayLag2;
973   histogram ArrDelayLag2 / normal(noprint color=red)
974     name='NM6'
975     vscale=count
976     height=2;
977   inset normal(mu sigma) / pos=nw header='Normal Estimates' height=2;
978 run;

```

NOTE: PROCEDURE UNIVARIATE used (Total process time):

```

      real time          0.47 seconds
      cpu time           0.43 seconds

```

```

979 quit;
980
981 proc univariate data=BTS_lag_delays_201506 noprint;
982   var ArrDelayLag2;
983   histogram ArrDelayLag2 / lognormal(w=3 theta=est)
984     name='LNM6'
985     vscale=count
986     height=2;
987   inset n mean (5.3) std='Std Dev' (5.3) skewness (5.3) /
988     pos = ne header = 'Lognormal Estimates';
989 run;

```

NOTE: At least one W.D format was too small for the number to be printed. The decimal may be shifted by the "BEST" format.

NOTE: PROCEDURE UNIVARIATE used (Total process time):

```

      real time          0.78 seconds
      cpu time           0.76 seconds

```

```

990 quit;
991
992 /* Replay the two graphs into the same template */
993 goptions display;
994 proc greplay igout=work.gseg nofs tc=sashelp.templt template=whole;
NOTE: Building list of graphs from the catalog.

```

NOTE: Enter greplay commands or statements.

```

995 treplay 1:NM6 1:LNM6;

```

WARNING: The specified value of 16.5000 inches for HSIZE= is larger than 16.0000 inches which is the maximum for the device WIN. HSIZE is ignored.

WARNING: The specified value of 8.8021 inches for VSIZE= is larger than 8.5313 inches which is the maximum for the device WIN. VSIZE is ignored.

```

996 run;

```

```

997 ods graphics on;
998 quit;

```

NOTE: PROCEDURE GREPLAY used (Total process time):

```

      real time          0.23 seconds

```

cpu time 0.17 seconds

```
999 ods select Cov PearsonCorr;
1000 proc corr data=BTS_lag_delays_201506 noprob outp=BTSCorr /** store results **/
1001          nomiss /** listwise deletion of missing values **/
1002          cov; /** include covariances **/
1003 var DepDelay ArrDelay ArrDelayLag ArrDelayLag2;
1004 run;
```

NOTE: The data set WORK.BTSCORR has 11 observations and 6 variables.

NOTE: PROCEDURE CORR used (Total process time):

real time	0.26 seconds
cpu time	0.21 seconds

```
1005
1006 PROC PRINT data = BTSCorr double label noobs;
1007 RUN;
```

NOTE: There were 11 observations read from the data set WORK.BTSCORR.

NOTE: PROCEDURE PRINT used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

```
1008 proc reg data=BTS_lag_delays_201506 ;
1009 model DepDelay = CRSDepTime seqnum ArrDelayLagInd ArrDelayLag ArrDelayLagCum
1009! DepDelayLagInd DepDelayLag DepDelayLagCum DepDelayLag2 ArrDelayLag2
1010 / VIF SPEC ;
1011 /**** VIF allows us to detect multicollinearity ****/
1012 where Cancelled=0 ;
1013 run ;
```

WARNING: The average covariance matrix for the SPEC test has been deemed singular which violates an assumption of the test. Use caution when interpreting the results of the test.

WARNING: ODS graphics with more than 5000 points have been suppressed. Use the PLOTS(MAXPOINTS=) option in the PROC REG statement to change or override the cutoff.

```
1013! quit ;
```

NOTE: PROCEDURE REG used (Total process time):

real time	3.09 seconds
cpu time	2.82 seconds

```
1014 proc corr data=BTS_lag_delays_201506 ;
1015 var CRSDepTime seqnum ArrDelayLagInd ArrDelayLag ArrDelayLagCum DepDelayLagInd
1015! DepDelayLag DepDelayLagCum DepDelayLag2 ArrDelayLag2 ;
1016 run ;
```

NOTE: PROCEDURE CORR used (Total process time):

real time	0.24 seconds
cpu time	0.25 seconds

```
1017 proc reg data=BTS_lag_delays_201506 ;
```

```

1018 model DepDelay = CRSDepTime seqnum ArrDelayLagInd ArrDelayLag ArrDelayLagCum
1018! DepDelayLag2 ArrDelayLag2 /*DepDelayLagInd DepDelayLag DepDelayLagCum*/
1019 / VIF SPEC ;
1020 /**** VIF allows us to detect multicollinearity ****/
1021 where Cancelled=0 ;
1022 run ;

```

WARNING: ODS graphics with more than 5000 points have been suppressed. Use the
PLOTS(MAXPOINTS=) option in the PROC REG statement to change or override the cutoff.

```
1022! quit ;
```

NOTE: PROCEDURE REG used (Total process time):

```

real time      1.94 seconds
cpu time       1.93 seconds

```

```

1023 /*Create a new variable named DepDelayIND, defined as 1 when DepDelay is greater than 15,
1023! and 0 otherwise. Specify DepDelayInd as the response variable and use the same IVs as in
1023! the OLS regression model above.*/
1024
1025 /*For all Carriers*/
1026 DATA BTS_lag_delays_201506_Ind;
1027 SET BTS_lag_delays_201506;
1028
1029 DepDelayInd = .;
1030 IF (DepDelayMinutes <= 15) THEN DepDelayInd = 0;
1031 IF (DepDelayMinutes > 15) THEN DepDelayInd = 1;
1032 RUN;

```

NOTE: There were 503897 observations read from the data set WORK.BTS_LAG_DELAYS_201506.

NOTE: The data set WORK.BTS_LAG_DELAYS_201506_IND has 503897 observations and 119 variables.

NOTE: DATA statement used (Total process time):

```

real time      0.53 seconds
cpu time       0.53 seconds

```

```

1033 proc logistic data=BTS_lag_delays_201506_Ind descending;
1034 class DepDelayLagInd ArrDelayLagInd / param=ref ;
1035 model DepDelayInd = CRSDepTime seqnum DepDelayLag DepDelayLagCum ArrDelayLag
1035! ArrDelayLagCum DepDelayLag2 ArrDelayLag2;
1036 by Carrier ;
1037 run;

```

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.

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

NOTE: The above message was for the following BY group:

Carrier=AA

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.

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

NOTE: The above message was for the following BY group:

Carrier=AS

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.

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

NOTE: The above message was for the following BY group:

Carrier=B6

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.

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

NOTE: The above message was for the following BY group:
Carrier=DL

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.
NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: The above message was for the following BY group:
Carrier=EV

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.
NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: The above message was for the following BY group:
Carrier=F9

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.
NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: The above message was for the following BY group:
Carrier=HA

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.
NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: The above message was for the following BY group:
Carrier=MQ

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.
NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: The above message was for the following BY group:
Carrier=NK

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.
NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: The above message was for the following BY group:
Carrier=00

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.
NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: The above message was for the following BY group:
Carrier=UA

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.
NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: The above message was for the following BY group:
Carrier=US

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.
NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: The above message was for the following BY group:
Carrier=VX

NOTE: PROC LOGISTIC is modeling the probability that DepDelayInd=1.
NOTE: Convergence criterion (GCONV=1E-8) satisfied.

NOTE: The above message was for the following BY group:
Carrier=WN

NOTE: There were 503897 observations read from the data set WORK.BTS_LAG_DELAYS_201506_IND.

NOTE: PROCEDURE LOGISTIC used (Total process time):

real time	4.83 seconds
cpu time	3.79 seconds

1038 ods pdf close ;

NOTE: Attachments for -9 reestablished for new parent.

NOTE: Export Cancelled.