

```
ods pdf file = '/home/u61979420/section2.pdf';

/* 1a: create a permanent library PSTAT130*/
libname PSTAT130 '/home/u61979420';

/* 1b: print all observations.
    there are 30 observations and 6 variables. */
proc print data = PSTAT130.passngrs;
run;

/* 2a: print flights to seattle only */
proc print data = PSTAT130.passngrs;
    where Dest = 'SEA';
run;

/* 2b: Print only the flights to Seattle with at least 120
EClass passengers but fewer than 15 BClass passengers. */
proc print data = PSTAT130.passngrs;
    where Dest = 'SEA' and EClass >= 120 and BClass < 15;
run;

/* 2c: Print only the variables FlightID, Depart, FClass, BClass, and EClass.*/
proc print data = PSTAT130.passngrs;
    var FlightID Depart FClass BClass EClass;
run;
```

```
/* 3a: Print only the variables FlightID, Depart, FClass, BClass, and EClass.*/
proc print data = PSTAT130.passngrs;
  var FlightID Depart FClass BClass EClass;
run;

/* 3b: Add formats to (a) such that Depart has the form of "MM/DD/YYYY"
and FClass, BClass, and EClass has the form of commas with one decimal point. */
proc print data = PSTAT130.passngrs;
  format FClass BClass EClass comma10.1
  Depart mmddyy10.;
run;

/* 3c: By using the LABEL statement, print the descriptions of variables as following */
proc print data = PSTAT130.passngrs label;
  label Dest = 'Destination'
  Depart = 'Departure Date'
  FClass = 'First Class'
  BClass = 'Business Class'
  EClass = 'Economy Class';
run;
ods pdf close;
```

Obs	FlightID	Dest	Depart	FClass	BClass	EClass
1	IA01802	SEA	15101	10	9	132
2	IA01804	SEA	15101	11	12	111
3	IA02901	HNL	15101	13	24	138
4	IA03100	ANC	15101	13	22	150
5	IA03101	ANC	15101	14	.	133
6	IA01802	SEA	15102	12	11	126
7	IA01804	SEA	15102	12	8	119
8	IA02901	HNL	15102	14	25	132
9	IA03100	ANC	15102	16	26	143
10	IA01802	SEA	15103	12	13	115
11	IA01804	SEA	15103	12	12	136
12	IA02901	HNL	15103	12	21	155
13	IA03100	ANC	15103	14	18	137
14	IA01802	SEA	15104	10	18	128
15	IA01804	SEA	15104	11	17	105
16	IA02901	HNL	15104	13	22	150
17	IA03100	ANC	15104	14	17	144
18	IA03101	ANC	15104	13	.	142
19	IA01802	SEA	15105	11	14	131
20	IA01804	SEA	15105	11	18	104
21	IA02901	HNL	15105	13	14	145
22	IA03100	ANC	15105	15	22	99
23	IA01802	SEA	15106	12	15	106
24	IA01804	SEA	15106	10	15	111
25	IA02901	HNL	15106	13	24	137
26	IA03100	ANC	15106	15	16	137
27	IA01802	SEA	15107	12	17	131
28	IA01804	SEA	15107	10	13	113
29	IA02901	HNL	15107	13	19	144
30	IA03100	ANC	15107	15	23	105

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1	IA01802	SEA	15101	10	9	132
2	IA01804	SEA	15101	11	12	111
6	IA01802	SEA	15102	12	11	126
7	IA01804	SEA	15102	12	8	119
10	IA01802	SEA	15103	12	13	115
11	IA01804	SEA	15103	12	12	136
14	IA01802	SEA	15104	10	18	128
15	IA01804	SEA	15104	11	17	105
19	IA01802	SEA	15105	11	14	131
20	IA01804	SEA	15105	11	18	104
23	IA01802	SEA	15106	12	15	106
24	IA01804	SEA	15106	10	15	111
27	IA01802	SEA	15107	12	17	131
28	IA01804	SEA	15107	10	13	113

Obs	FlightID	Dest	Depart	FClass	BClass	EClass
1	IA01802	SEA	15101	10	9	132
6	IA01802	SEA	15102	12	11	126
11	IA01804	SEA	15103	12	12	136
19	IA01802	SEA	15105	11	14	131

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1	IA01802	15101	10	9	132
2	IA01804	15101	11	12	111
3	IA02901	15101	13	24	138
4	IA03100	15101	13	22	150
5	IA03101	15101	14	.	133
6	IA01802	15102	12	11	126
7	IA01804	15102	12	8	119
8	IA02901	15102	14	25	132
9	IA03100	15102	16	26	143
10	IA01802	15103	12	13	115
11	IA01804	15103	12	12	136
12	IA02901	15103	12	21	155
13	IA03100	15103	14	18	137
14	IA01802	15104	10	18	128
15	IA01804	15104	11	17	105
16	IA02901	15104	13	22	150
17	IA03100	15104	14	17	144
18	IA03101	15104	13	.	142
19	IA01802	15105	11	14	131
20	IA01804	15105	11	18	104
21	IA02901	15105	13	14	145
22	IA03100	15105	15	22	99
23	IA01802	15106	12	15	106
24	IA01804	15106	10	15	111
25	IA02901	15106	13	24	137
26	IA03100	15106	15	16	137
27	IA01802	15107	12	17	131
28	IA01804	15107	10	13	113
29	IA02901	15107	13	19	144
30	IA03100	15107	15	23	105

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8	IA02901	15102	14	25	132
9	IA03100	15102	16	26	143
10	IA01802	15103	12	13	115
11	IA01804	15103	12	12	136
12	IA02901	15103	12	21	155
13	IA03100	15103	14	18	137
14	IA01802	15104	10	18	128
15	IA01804	15104	11	17	105
16	IA02901	15104	13	22	150
17	IA03100	15104	14	17	144
18	IA03101	15104	13	.	142
19	IA01802	15105	11	14	131
20	IA01804	15105	11	18	104
21	IA02901	15105	13	14	145
22	IA03100	15105	15	22	99
23	IA01802	15106	12	15	106
24	IA01804	15106	10	15	111
25	IA02901	15106	13	24	137
26	IA03100	15106	15	16	137
27	IA01802	15107	12	17	131
28	IA01804	15107	10	13	113
29	IA02901	15107	13	19	144
30	IA03100	15107	15	23	105

Obs	FlightID	Dest	Depart	FClass	BClass	EClass
1	IA01802	SEA	05/06/2001	10.0	9.0	132.0
2	IA01804	SEA	05/06/2001	11.0	12.0	111.0
3	IA02901	HNL	05/06/2001	13.0	24.0	138.0
4	IA03100	ANC	05/06/2001	13.0	22.0	150.0
5	IA03101	ANC	05/06/2001	14.0	.	133.0
6	IA01802	SEA	05/07/2001	12.0	11.0	126.0
7	IA01804	SEA	05/07/2001	12.0	8.0	119.0
8	IA02901	HNL	05/07/2001	14.0	25.0	132.0
9	IA03100	ANC	05/07/2001	16.0	26.0	143.0
10	IA01802	SEA	05/08/2001	12.0	13.0	115.0
11	IA01804	SEA	05/08/2001	12.0	12.0	136.0
12	IA02901	HNL	05/08/2001	12.0	21.0	155.0
13	IA03100	ANC	05/08/2001	14.0	18.0	137.0
14	IA01802	SEA	05/09/2001	10.0	18.0	128.0
15	IA01804	SEA	05/09/2001	11.0	17.0	105.0
16	IA02901	HNL	05/09/2001	13.0	22.0	150.0
17	IA03100	ANC	05/09/2001	14.0	17.0	144.0
18	IA03101	ANC	05/09/2001	13.0	.	142.0
19	IA01802	SEA	05/10/2001	11.0	14.0	131.0
20	IA01804	SEA	05/10/2001	11.0	18.0	104.0
21	IA02901	HNL	05/10/2001	13.0	14.0	145.0
22	IA03100	ANC	05/10/2001	15.0	22.0	99.0
23	IA01802	SEA	05/11/2001	12.0	15.0	106.0
24	IA01804	SEA	05/11/2001	10.0	15.0	111.0
25	IA02901	HNL	05/11/2001	13.0	24.0	137.0
26	IA03100	ANC	05/11/2001	15.0	16.0	137.0
27	IA01802	SEA	05/12/2001	12.0	17.0	131.0
28	IA01804	SEA	05/12/2001	10.0	13.0	113.0
29	IA02901	HNL	05/12/2001	13.0	19.0	144.0
30	IA03100	ANC	05/12/2001	15.0	23.0	105.0

Obs	FlightID	Destination	Departure Date	First Class	Business Class	Economy Class
1	IA01802	SEA	15101	10	9	132
2	IA01804	SEA	15101	11	12	111
3	IA02901	HNL	15101	13	24	138
4	IA03100	ANC	15101	13	22	150
5	IA03101	ANC	15101	14	.	133
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