ods graphics on;

**data** drinking;

 input country $ **1**-**12** alcohol cirrhosis;

cards;

France 24.7 46.1

Italy 15.2 23.6

W.Germany 12.3 23.7

Austria 10.9 7.0

Belgium 10.8 12.3

USA 9.9 14.2

Canada 8.3 7.4

E&W 7.2 3.0

Sweden 6.6 7.2

Japan 5.8 10.6

Netherlands 5.7 3.7

Ireland 5.6 3.4

Norway 4.2 4.3

Finland 3.9 3.6

Israel 3.1 5.4

;

**run**;

ods rtf;

**proc** **reg** data=drinking;

 model cirrhosis=alcohol;

**run**;

**quit**;

ods rtf close;

ods rtf;

**proc** **reg** data=drinking;

 model cirrhosis=alcohol;

 where country ne 'France';

**run**;

**quit**;

ods rtf close;

**Part 2:**

ods rtf;

**proc** **reg** data=drinking;

 model cirrhosis=alcohol/noint;

**run**;

**quit**;

ods rtf close;

**Part 3:**

ods rtf;

**proc** **reg** data=drinking;

 model cirrhosis=alcohol;

 restrict intercept = **2.5**;

**run**;

**quit**;

ods rtf close;

**Exercise 4:**

**data** expenditures;

infile "C:\Users\dsn9\Desktop\handbook3\datasets\expend.dat";

input region $ **1**-**19** expend **20**-**25** percent **26**-**30**;

**run**;

ods rtf;

**proc** **sgplot** data= expenditures;

 scatter x = expend y= percent / datalabel=region;

 yaxis values = (**16** to **26**);

**run**;

ods rtf close;

**Page 143, Exercise 1:**

title 'US Crime Rate Data';

**data** uscrime;

 infile 'C:\Users\dsn9\Desktop\handbook3\datasets\uscrime.dat' expandtabs;

 input R Age S Ed Ex0 Ex1 LF M N NW U1 U2 W X;

**run**;

ods rtf;

**proc** **reg** data=uscrime plots=criteria outest=RegOut;

 model R= Age--Ed Ex1--X / selection=stepwise sle=**.05** sls=**.05**;

**run**; **quit**;

ods rtf close;

ods rtf;

**proc** **reg** data=uscrime plots=criteria outest=RegOut;

 model R= Age--Ed Ex1--X / selection=cp;

**run**; **quit**;

ods rtf close;

**Exercise 1, Part 4:**

**data** uscrime;

 set uscrime;

 avgEx0Ex1 = mean(Ex0, Ex1);

**run**;

ods rtf;

**proc** **reg** data = uscrime;

model R = Age--Ed LF--AvgEx0Ex1/vif;

**run**;

ods rtf close;

**Exercise 2:**

ods rtf;

**proc** **sgplot** data = peanuts;

reg y = percent x = level;

**run**;

ods rtf close;

ods rtf;

**proc** **reg** data = peanuts;

model percent = level;

**run**;

ods rtf close;