

```

options ls=79;

data to1993;
  infile 'c:\documents and settings\alison
gibbs\desktop\sta302\examples\cfcs\maunaloadata.txt' firstobs=33;
  input year 1-4 month 6-7 day 9-10 time $ date $ time2 $ cfc11 nd sd f cs rem;
  if cfc11 < -9999 then cfc11=.;
  drop day time date time2 nd sd f cs rem;

data after1994;
  infile 'c:\documents and settings\alison
gibbs\desktop\sta302\examples\cfcs\maunaloadata2.txt' firstobs=248;
  input year 1-4 month 6-7 day 9-10 time $ date $ time2 $ cfc11 nd sd f cs rem;
  if cfc11 < -9999 then cfc11=.;
  drop day time date time2 nd sd f cs rem;

data all;
  set to1993 after1994;
  time=year+(month-1)/12;
  time2=time*time;
  * centime=time-1990.84;
  * centime2=centime*centime;

proc plot;
  plot cfc11*time;
run;

symbol1 v=circle;
proc gplot;
  plot cfc11*time;
run;

data preMP;
  set all;
  if time<1990;

proc reg data =premp;
  title 'Before Montreal Protocol (before January 1990)';
  model cfc11=time;
  plot cfc11*time;
  plot r.*time;
  plot r.*p.;
  plot student.*p.;
  plot r.*nqq.;
  plot student.*nqq.;
run;

data postMP;
  set all;
  if time >= 1995;

```

```
proc reg data =postmp;
  title 'After Montreal Protocol (after December 1994)';
  model cfc11=time;
  plot cfc11*time;
  plot r.*time;
  plot r.*p.;
  plot student.*p.;
  plot r.*nqq.;
  plot student.*nqq.;
run;
```

[space]  
alpha = .1 changes CIs to 90%

```
proc reg data =premp;
  title 'Before Montreal Protocol (before January 1990)';
  model cfc11=time /clb ;
run;
```

clb / comes before options  
- print confidence limits  
of  $\beta$ 's