

SAS Graphics

12 Nov 2009

Three Graphics Systems

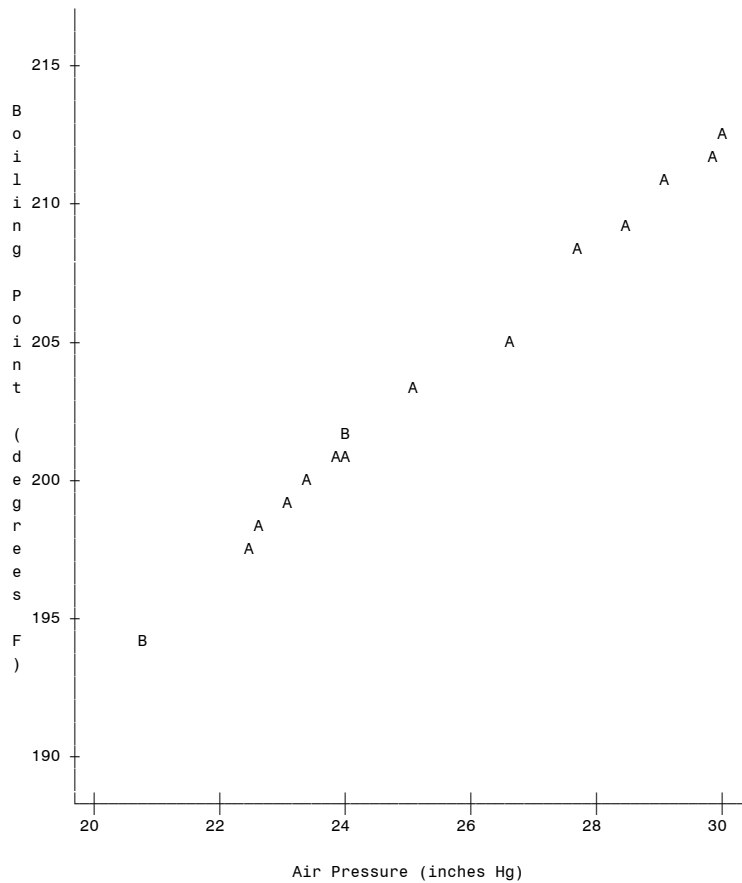
- Character graphics
 - SAS/Base
- Hi-resolution “device” graphics
 - SAS/GRAPH
- Scalable vector “template” graphics
 - SAS/Base, SAS/GRAPH, and SAS/STAT

Examples

- **proc plot data=forbes;**
 plot boil*pressure;
 run;
- **proc gplot data=forbes;**
 plot boil*pressure;
 run;
- **proc sgplot data=forbes;**
 scatter y=boil x=pressure;
 run;

```
proc plot data=forbes;  
  plot boil*pressure;  
run;
```

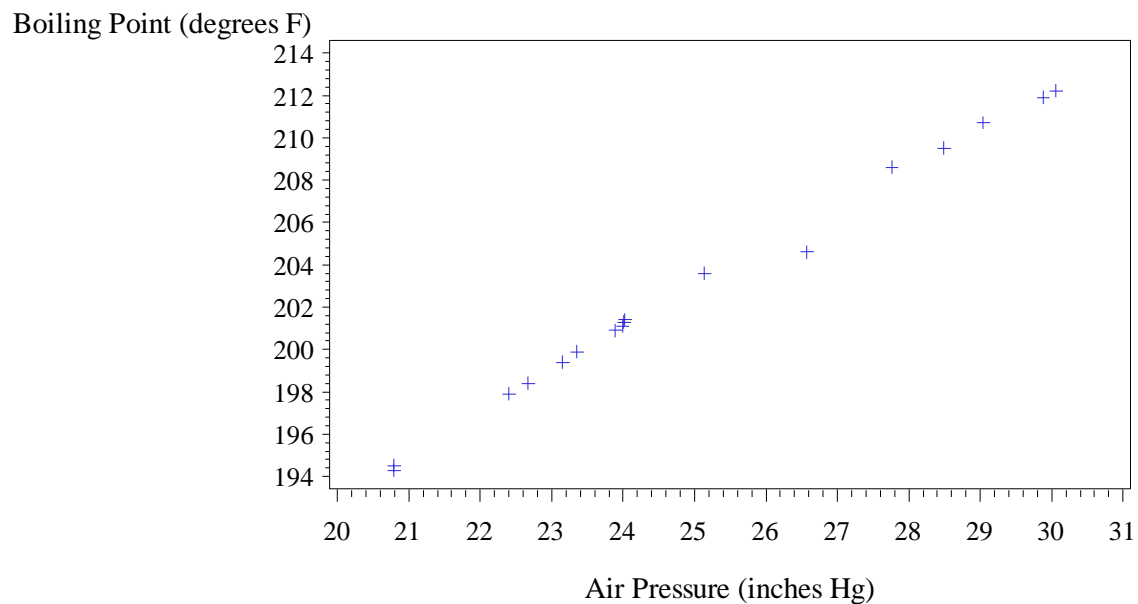
Plot of boil*pressure. Legend: A = 1 obs, B = 2 obs, etc.



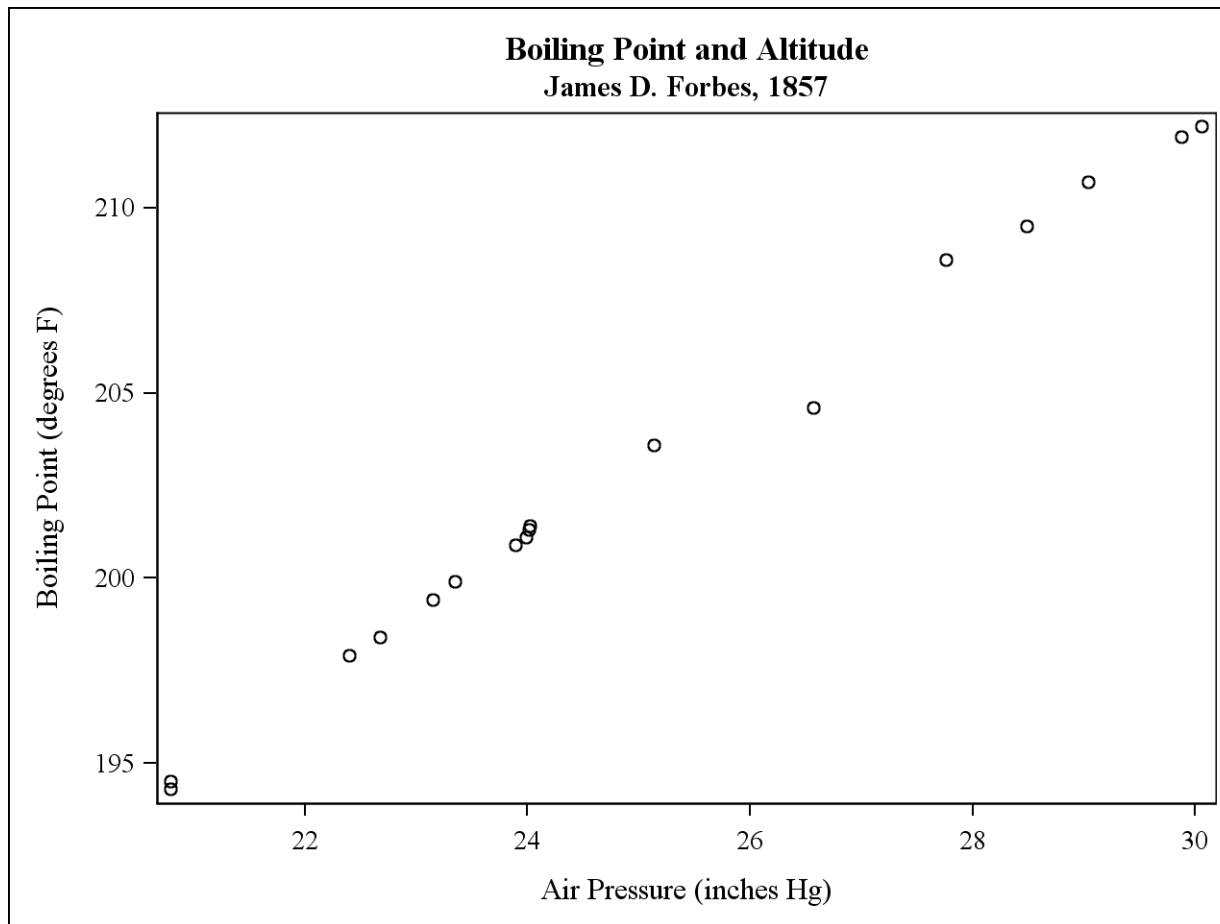
```
proc gplot data=forbes;  
  plot boil*pressure;  
run;
```

Boiling Point and Altitude

James D. Forbes, 1857



```
proc sgplot data=forbes;  
  scatter y=boil x=pressure;  
run;
```



Two Sources for Graphs

- Graphics procs
 - Proc gplot
 - Proc gchart
 - Proc sgplot
 - etc
- Statistical procs
 - Proc univariate
 - Proc reg
 - ODS statistical graphics