

```

*data hotdog;
* Moore, David S., and George P. McCabe (1989);
* Introduction to the Practice of Statistics. Original source;
* Consumer Reports, June 1986, pp. 366-367;
* Measured calories & sodium (milligram)/hotdog on various samples;

* csv file can be read;
*infile '/home/ssvasan77/ecourse/hotdog.csv' dlm=',';
* INPUT type $ calories sodium;
*****;
*** read data from a sas dataset;
*%let path=/home/ssvasan77/ecourse;
*libname orion "&path";
* data hotdog; *set orion.hotdog;
*****;

```

```

DATA hotdog;
  INPUT type $ calories sodium;
  DATALINES;

```

Beef	186	495
Beef	181	477
Beef	176	425
Beef	149	322
Beef	184	482
Beef	190	587
Beef	158	370
Beef	139	322
Beef	175	479
Beef	148	375
Beef	152	330
Beef	111	300
Beef	141	386
Beef	153	401
Beef	190	645
Beef	157	440
Beef	131	317
Beef	149	319
Beef	135	298
Beef	132	253
Meat	173	458
Meat	191	506
Meat	182	473
Meat	190	545
Meat	172	496
Meat	147	360
Meat	146	387
Meat	139	386
Meat	175	507
Meat	136	393
Meat	179	405
Meat	153	372
Meat	107	144
Meat	195	511

```

Meat          135      405
Meat          140      428
Meat          138      339
Poultry       129      430
Poultry       132      375
Poultry       102      396
Poultry       106      383
Poultry        94      387
Poultry       102      542
Poultry        87      359
Poultry        99      357
Poultry       107      528
Poultry       113      513
Poultry       135      426
Poultry       142      513
Poultry        86      358
Poultry       143      581
Poultry       152      588
Poultry       146      522
Poultry       144      545
;
PROC PRINT; RUN;

proc contents;
proc means;
proc sort; by type;
proc means; by type;

ods graphics on;

proc univariate;
    var calories sodium;
    histogram;
run;

proc univariate;by type;
    var calories sodium;
    histogram;
run;
proc sort; by Type;
proc boxplot;
    plot calories*type;
    plot sodium*type;
run;

proc sgplot;
scatter x=calories y=sodium / group=type;
run; quit;

goptions reset = all;
symbol1 v="B" c=red h=2;
symbol2 v="M" c=blue h=2;
symbol3 v="P" c=green h=2;
proc gplot;

```

```
plot calories*sodium=type;  
run;  
quit;
```