

```
data HADAD.auto_mpg;  
set HADAD.Auto_mpg_1_2 HADAD.auto_mpg_3;  
run;
```

```
proc print data=HADAD.auto_mpg;  
run ;
```

```
data HADAD.auto_mpg;  
set HADAD.auto_mpg;  
age=1983-annee_du_modele;  
drop annee_du_modele;  
run;
```

```
proc means data=HADAD.auto_mpg N NMISS MIN MAX RANGE MEAN MEDIAN STD;  
var Poids puissance cylindres deplacement acceleration age mpg;  
class origine;  
run;
```

```
data HADAD.auto_mpg_pas_val_manq;  
set HADAD.auto_mpg;  
if acceleration=. and origine='USA' then acceleration=15;  
if puissance=. and origine='USA' then puissance=105;  
if Poids=. and origine='USA' then Poids=3372.50;  
if acceleration=. and origine='Europe' then acceleration=15;  
if acceleration=. and origine='Asie' then acceleration=16.40;  
if deplacement=. and origine='Europe' then deplacement=105;  
if deplacement=. and origine='USA' then deplacement=250;  
run;
```

```
PROC GCHART DATA = HADAD.auto_mpg_pas_val_manq ;  
VBAR Poids puissance cylindres deplacement acceleration age mpg / SUBGROUP = origine ;  
RUN ;  
QUIT ;
```

```
data HADAD.auto_mpg_ajout;  
set HADAD.auto_mpg_pas_val_manq;  
if origine='USA' then USA=1;  
else USA=0;  
if origine='Europe' then Europe=1;  
else EUROPE=0;  
if origine='Asie' then Asie=1;  
else Asie=0;  
run;
```