

```
/*How to Create a Boxplot*/
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice;  
run;
```

```
/*How to Create a Boxplot with category variable*/
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice / category=type;  
run;
```

```
/*How to Create a Boxplot with category variable*/
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice / category=type group=origin;  
run;
```

```
/*How to change lables of a Boxplot*/
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice / category=type;  
  
  xaxis label="Vehicle Type";  
  yaxis label="Invoice in $";  
run;
```

```
/*How to remove lables of a Boxplot*/
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice / category=type;  
  
  xaxis display=(nolabel);  
  yaxis display=(nolable);  
run;
```

```
/*How to add a lenged to a Boxplot*/
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice / category=type group=origin;  
  
  keylegend / title="Manufacturer Origin" location=inside position=topright;  
run;
```

```
/*How to change the colour of a Boxplot*/
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice / category=type group=origin;  
  
  styleattrs datacolors=(bioy) datacontrastcolors=(black);  
run;
```

```
/*How to add gridlines to a Boxplot*/
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice / category=type;
```

```
  yaxis grid;
```

```
run;
```

```
/*How to order a Boxplot*/
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice / category=type;
```

```
  xaxis values=("Sports" "SUV" "Wagon" "Truck" "Hybrid");
```

```
run;
```

```
/*How to Create a horizontal Boxplot*/
```

```
proc sgplot data=sashelp.cars;  
  hbox invoice / category=type;
```

```
run;
```

```
/*How to add summary statistics to a Boxplot*/
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice / category=type  
  displaystats=(median mean Q1 Q3)  
  meanattrs=(color=red)  
  medianattrs=(color=green);
```

```
run;
```

```
/*How to find outliers with a Boxplot*/
```

```
ods output sgplot=work.sgplotdata;
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice;
```

```
run;
```

```
proc print data=work.sgplotdata;
```

```
run;
```

```
/*How to add labels to outliers in a Boxplot*/
```

```
proc sgplot data=sashelp.cars;  
  vbox invoice / category=type datalabel;
```

```
run;
```