```sas

proc sgplot data=mydata;

title 'Scatter Plot of Sales vs. Revenue';

scatter x=Revenue y=Sales;

run;

```

```sas

proc sgpanel data=mydata;

title 'Panel Display of Product Sales by Region';

panelby Region;

series x=Month y=Sales / group=Product;

run;

```

```sas

proc sgmap mapdata=mymapdata;

title 'Choropleth Map of Sales by State';

choromap / mapid=StateID choro=Sales;

run;

```

```sas

proc sgplot data=mydata;

title 'Violin Plot of Customer Satisfaction Scores';

vpanel / category=Product;

violin category=Product response=Satisfaction / group=Product;

run;

```

```sas

proc sgplot data=mytimeseries;

title 'Annotating Peaks in a Time Series Plot';

series x=Date y=Sales;

scatter x=PeakDate y=PeakValue / markerattrs=(symbol=trianglefilled);

text x=PeakDate y=PeakValue textcolor=red 'Peak';

run;

```

```sas

proc sgbar data=mydata;

title 'Distribution of Customer Ratings';

vbar Rating / response=Count;

run;

```

```sas

proc sgbar data=mydata;

title 'Comparison of Sales by Region';

vbar Sales / group=Region;

run;

```

```sas

proc sgbar data=mydata;

title 'Product Sales by Region and Quarter';

vbar Sales / group=Region subgroup=Quarter;

run;

```

```sas

proc sgbar data=myproductdata;

title 'Distribution of Customer Ratings';

vbar Rating / response=Count;

run;

```

```sas

proc sgscatter data=mydata;

title 'Scatter Plot Matrix of Variables';

matrix x=Var1 Var2 Var3 / diagonal=(histogram) spread;

run;

```

```sas

/\* Example of Customizing Visualizations with ODS Graphics Framework \*/

ods graphics / reset allattrs;

title 'Customized Graph with ODS Graphics Framework';

proc sgplot data=mydata;

scatter x=Var1 y=Var2;

lineparm x=3 y=8 slope=2 / lineattrs=(color=red thickness=2);

run;

```

```sas

/\* Creating an interactive dashboard in SAS Viya \*/

proc report data=mydata nowd;

columns Product Sales Profit;

define Product / group;

define Sales / sum 'Total Sales';

define Profit / sum 'Total Profit';

run;

```

```sas

/\* Integrating JavaScript for dynamic features \*/

data mydata;

input Category $ Value;

datalines;

A 30

B 50

C 20

;

run;

ods html5 file="interactive\_chart.html" options(embedded='yes');

proc sgplot data=mydata;

vbar category / response=Value group=Category

datalabel dataskin=gloss name='myChart';

run;

ods html5 close;

```

```sas

/\* Adding dynamic filtering and drill-downs \*/

proc sgplot data=mydata;

scatter x=XVar y=YVar / datalabel=Label;

dynamicvar XVar;

run;

```

```sas

/\* Using SAS/GRAPH SGANNO for annotation \*/

proc sgplot data=mydata sganno=anno;

scatter x=XVar y=YVar / datalabel=Label;

dynamicvar XVar;

data anno;

length function color $ 8;

xsys = '2'; ysys = '2';

function = 'label'; position = '5'; color = 'blue'; text = 'Dynamic Annotation';

output;

run;

run;

```