In [1]:
```python
import matplotlib.pyplot as plot
```

In [20]:
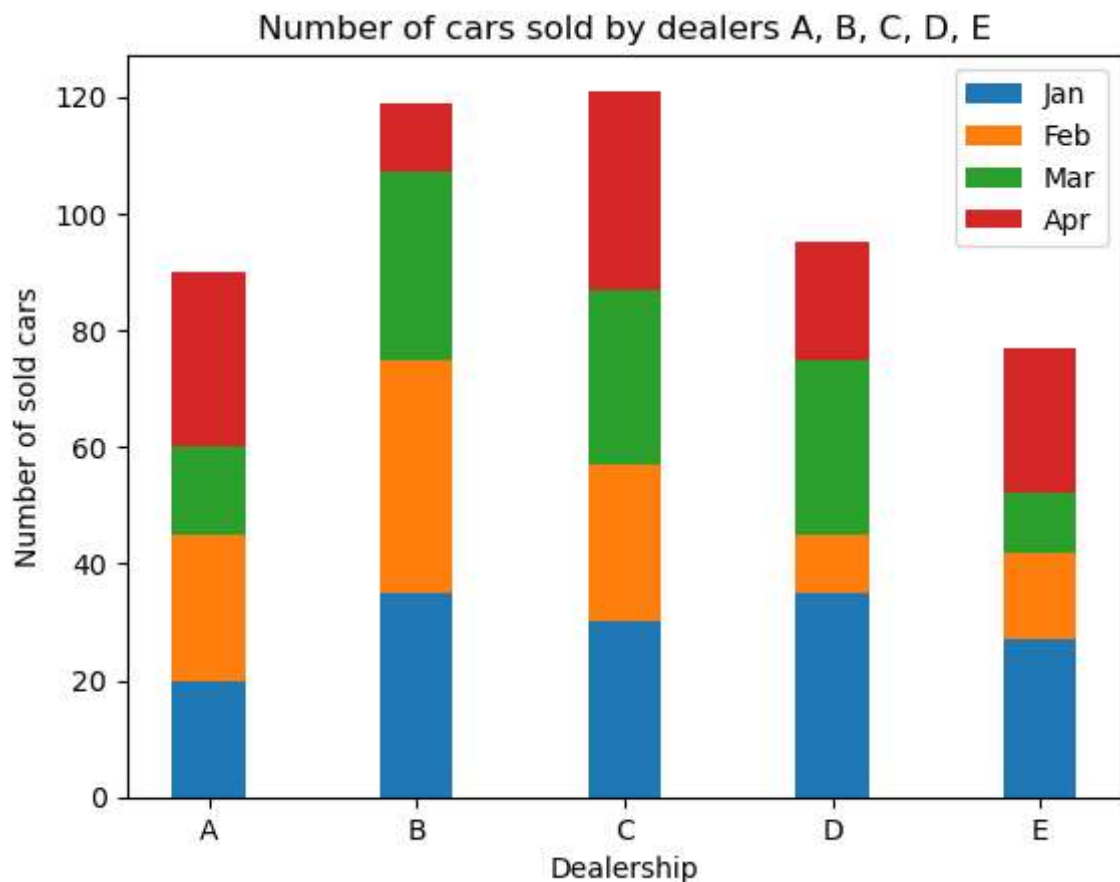```python
labels=['A','B','C','D','E']

Jan=[20,35,30,35,27]
Feb=[25,40,27,10,15]
Febbtm=[sum(value) for value in zip(Jan,Feb)]
Mar=[15,32,30,30,10]
Marbtm=[sum(value) for value in zip(Febbtm,Mar)]
Apr=[30,12,34,20,25]

width=0.35

fig, carssold=plot.subplots()
carssold.bar(labels,Jan,width,label="Jan")
carssold.bar(labels,Feb,width,bottom=Jan,label="Feb")
carssold.bar(labels,Mar,width,bottom=Febbtm,label="Mar")
carssold.bar(labels,Apr,width,bottom=Marbtm,label="Apr")

carssold.set_xlabel("Dealership")
carssold.set_ylabel("Number of sold cars")
carssold.set_title("Number of cars sold by dealers A, B, C, D, E")
carssold.legend()

plot.show()
```
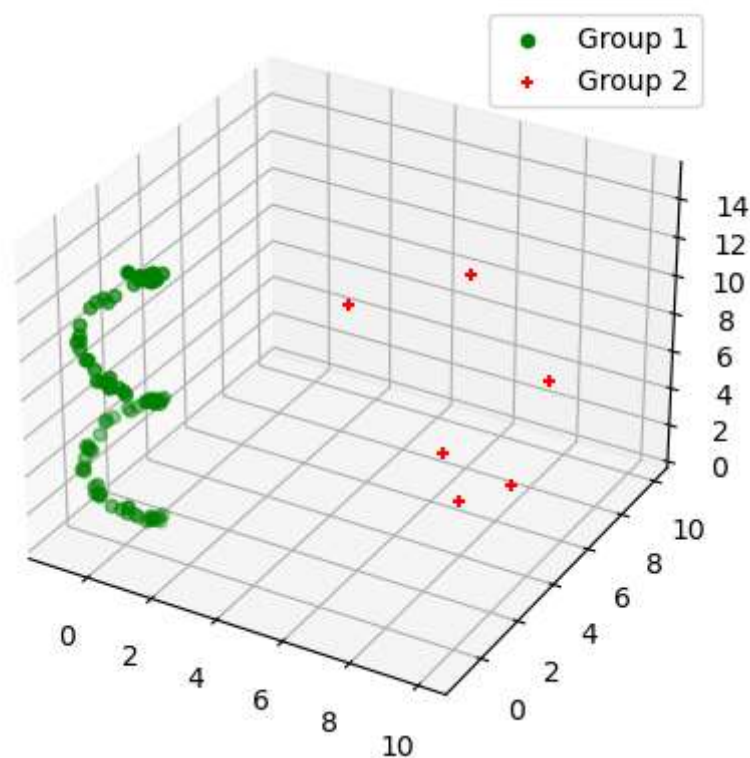
# Part 2: Plotting a 3D figure using Python

```
In [22]:  import numpy as np
          import matplotlib.pyplot as plot

          fig=plot.figure()
          axes=plot.axes(projection="3d")
          z1= 15*np.random.random(100)
          x1=np.sin(z1) + 0.1*np.random.randn(100)
          y1=np.cos(z1) + 0.1*np.random.randn(100)

          z2=[10,3,5,8,9,6]
          x2=[4,9,9,5,10,8]
          y2=[5,5,2,10,5,3]

          axes.scatter3D(x1,y1,z1,color="green",marker="o",depthshade=True,label="Group 1")
          axes.scatter3D(x2,y2,z2,color="red",marker="+",depthshade=False,label="Group 2")
          axes.legend()

          plot.show()
```



```
In [ ]:
```