

```

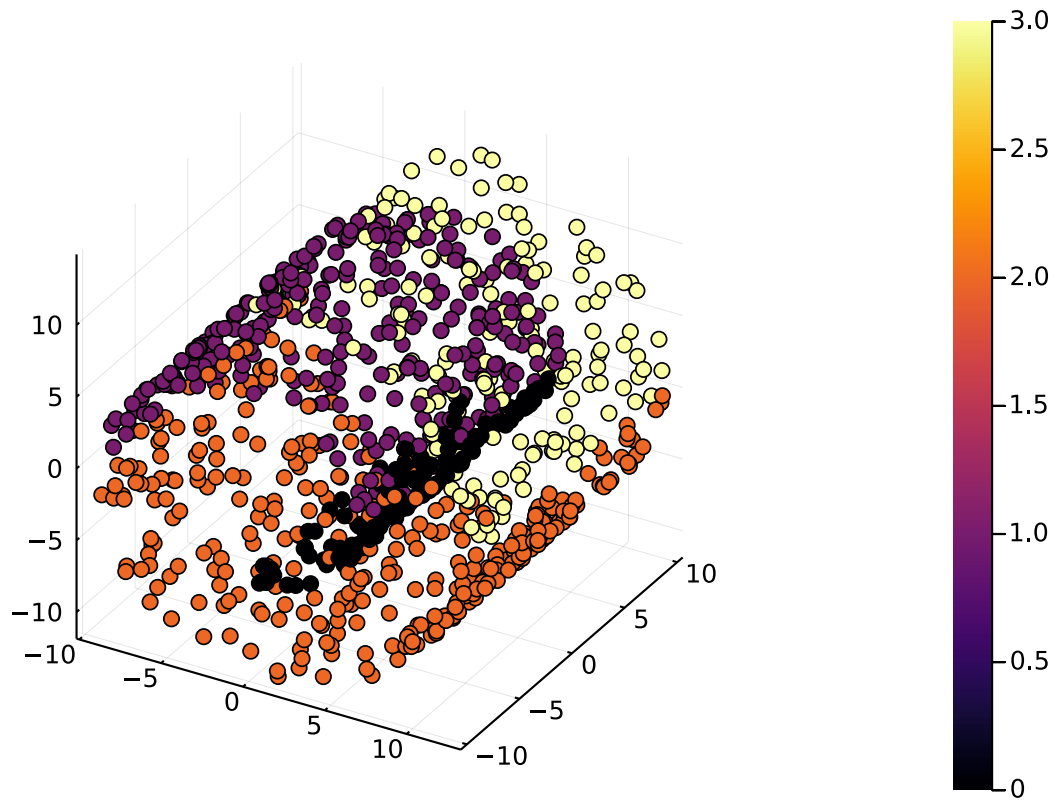
• begin
•     using ManifoldLearning ,Plots
• end

```

```

• X, t = ManifoldLearning.swiss_roll(segments=4); #生成四个类别的瑞士卷数据

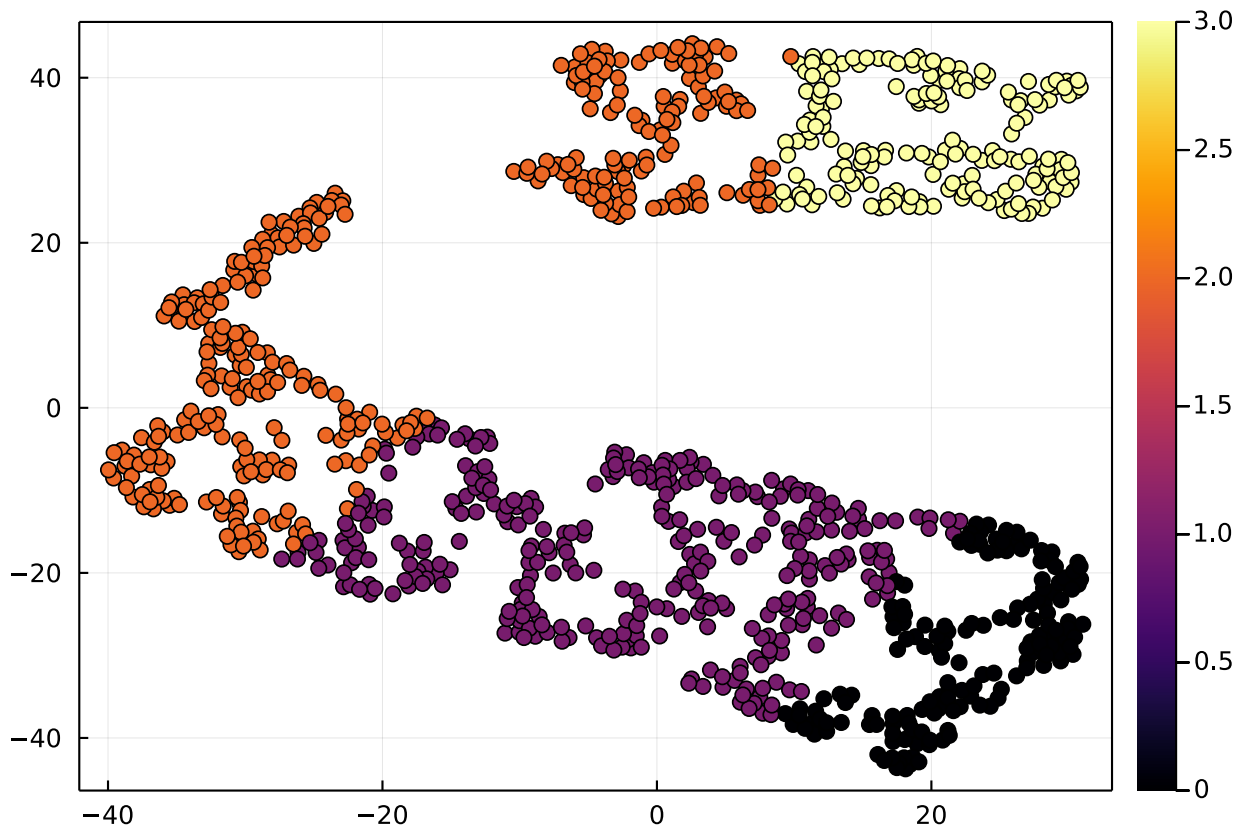
```



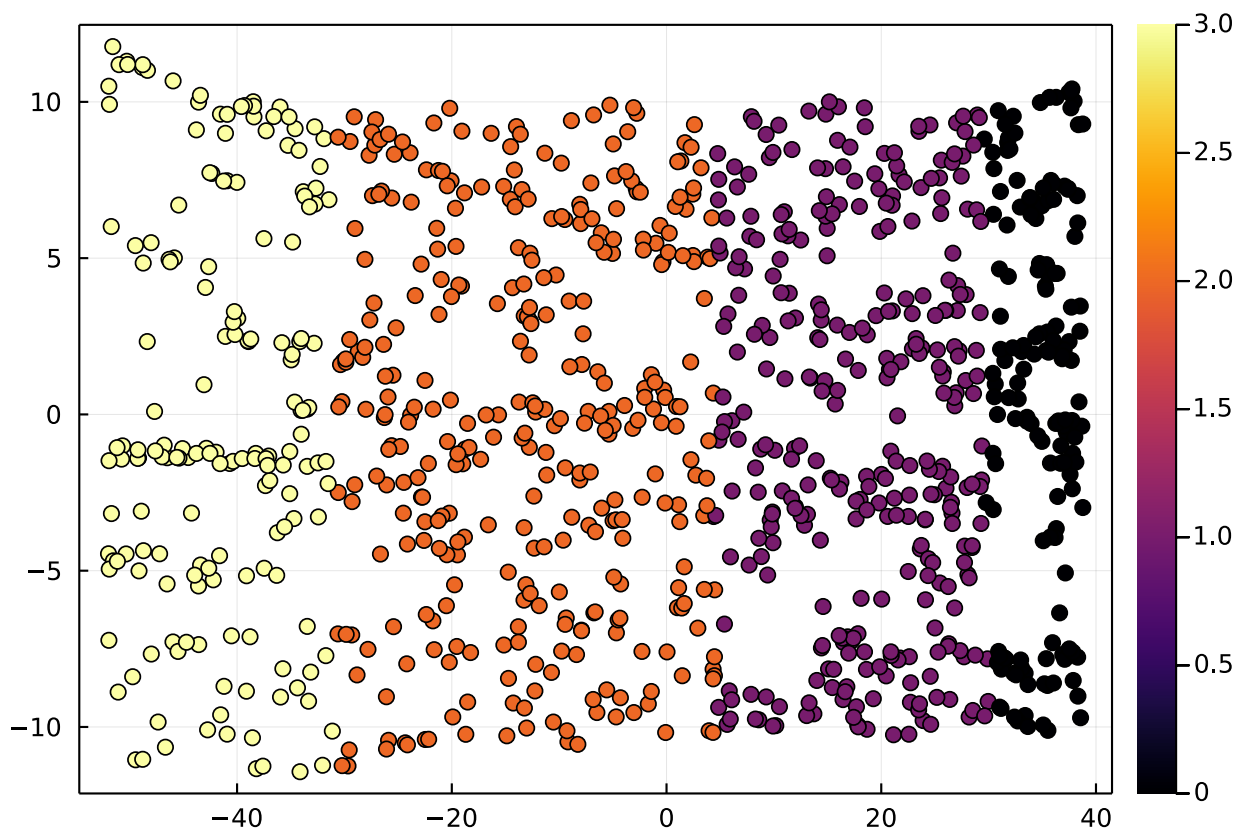
```

• begin
•     x,y,z=X[1,:]|>vec,X[2,:]|>vec,X[3,:]|>vec
•     scatter3d(x,y,z,zcolor=t,label=false )
• end

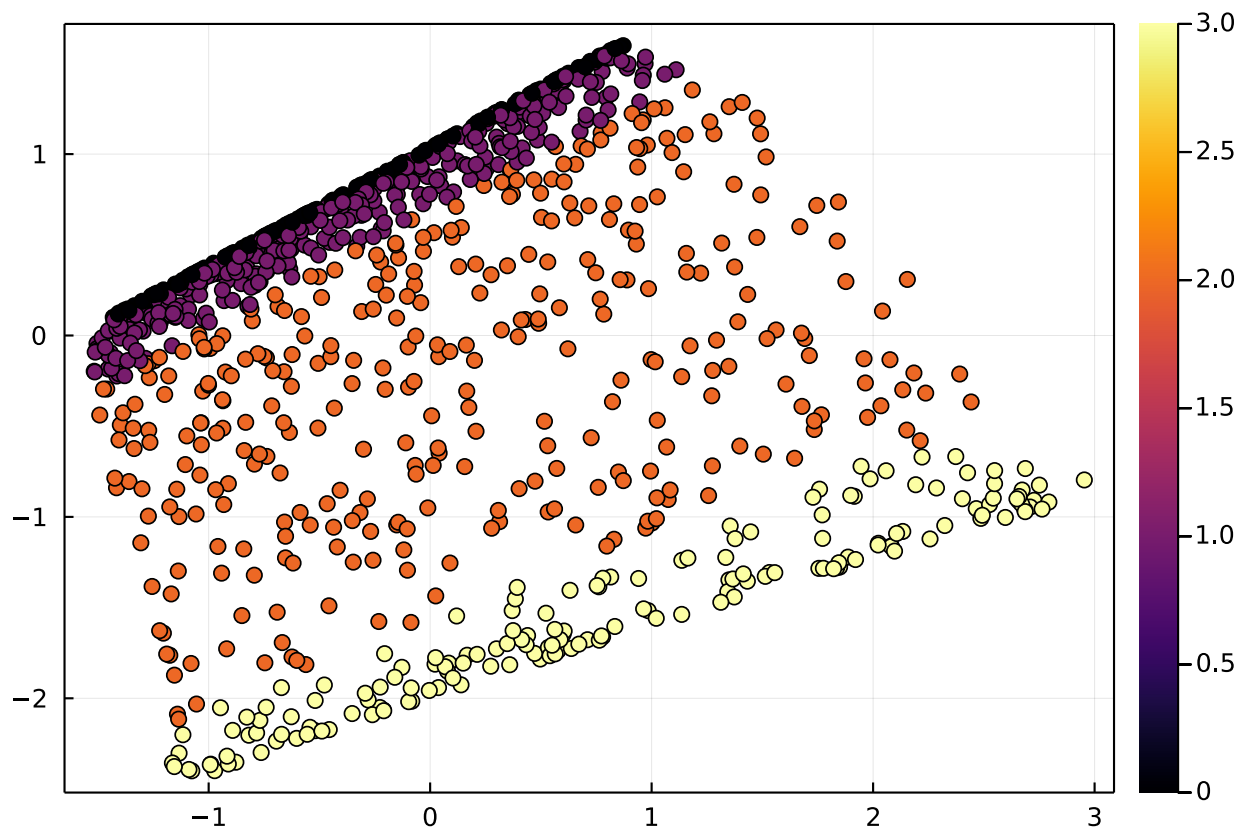
```



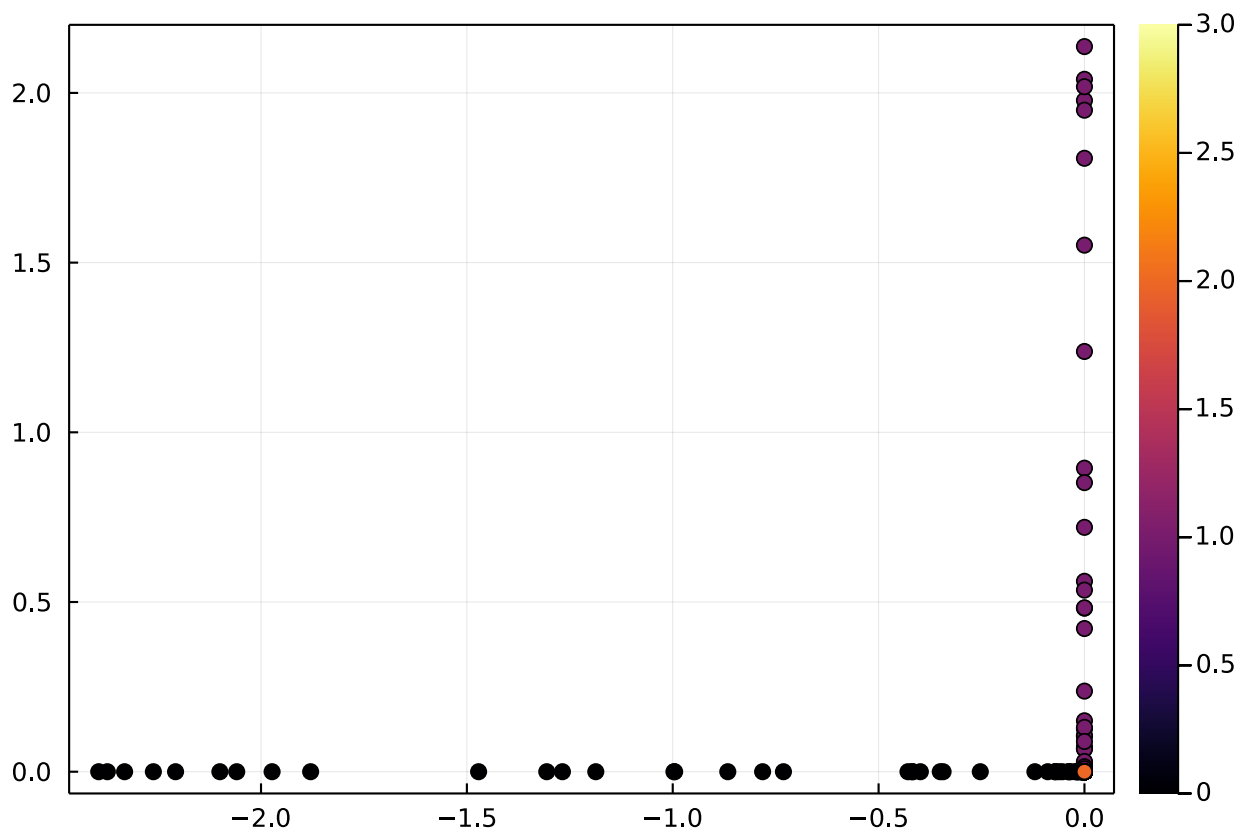
```
fit(TSNE, X;)|>transform|>plot_res #tsne 速度较慢, 其他代码运行完之后再去掉注释运行
```



```
fit(Isomap, X;)|>transform |>plot_res
```



```
fit(HLLE, X;)|>transform |>plot_res
```



```
fit(DiffMap, X;)|>transform |>plot_res
```

plot_res (generic function with 1 method)

- `plot_res(R)=scatter(R[1,:),R[2,:),zcolor=t,label=false,frame=:box)`