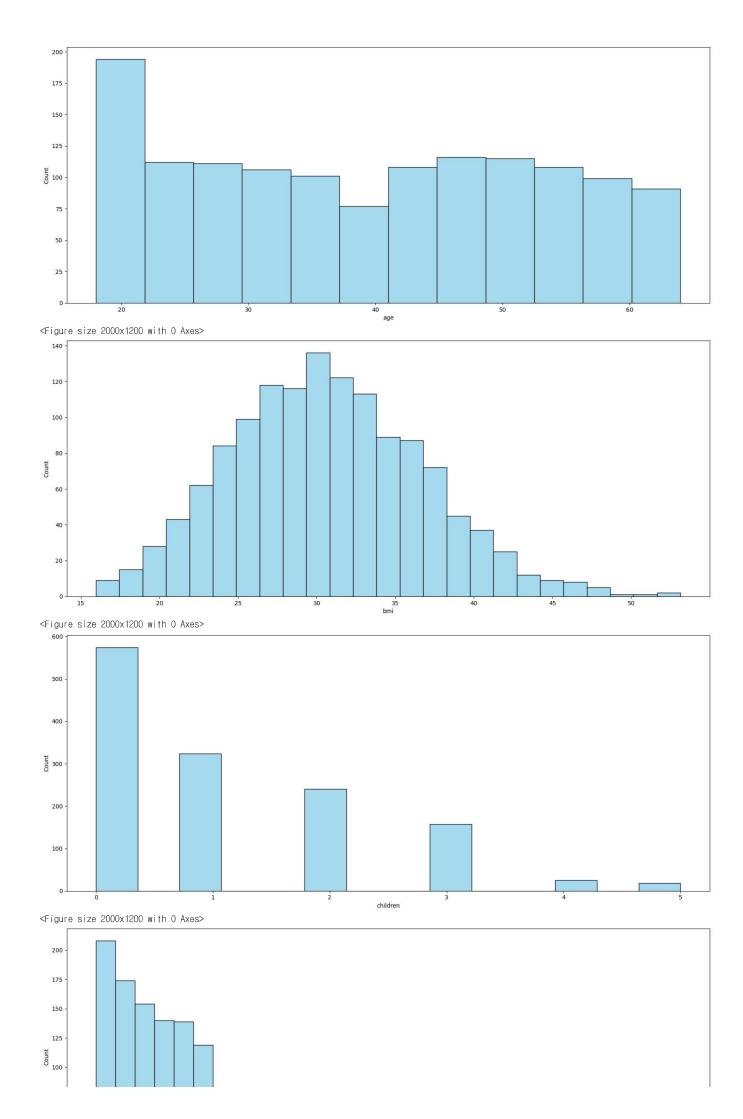
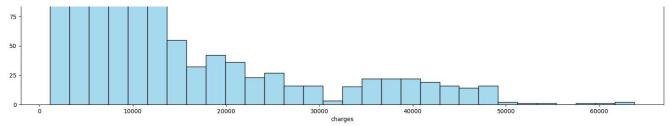
```
# 데이터 불러오기
 import pandas as pd
 target Ur \ | = "\underline{https://raw.githubusercontent.com/seunghyeok35/-1/\underline{main/gmm\%20data\%20set.csv}" | The algorithm of the action of the acti
 data=pd.read_csv(targetUrl)
  import pandas as pd
  import numpy as np
   import matplotlib.pyplot as plt
  import seaborn as sns
Num=[]
 for col in data.columns:
                    if (data[col].dtype==int)or (data[col].dtype==float):
                                     Num.append(col)
print (Num)
                           ['age', 'bmi', 'children', 'charges']
 for col in Num:
                   plt.figure(figsize=(20,8))
                   sns.histplot(data[col], color="skyblue")
                   plt.show()
                   plt.figure(figsize=(20,12))
     ₽
```





<Figure size 2000x1200 with 0 Axes>

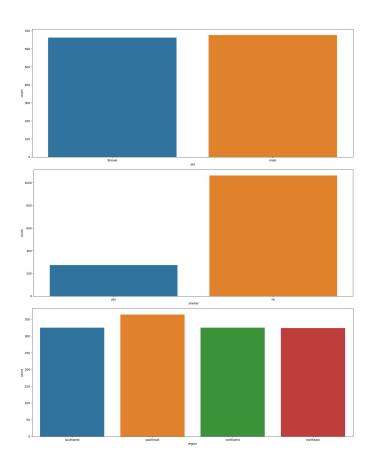
 $sns.heatmap(data[Num].corr(), annot=True, annot_kws=\{"fontsize":12\}, fmt=".2f", vmin=-1) \\ plt.show()$



```
categorical=[]
for col in data.columns:
    if (data[col].dtype==object):
        categorical.append(col)
print (categorical)

    ['sex', 'smoker', 'region']

for col in categorical:
    plt.figure(figsize=(20,8))
    sns.countplot(x=data[col])
    plt.show()
```



sns.scatterplot(x=umap_data[:,0], y=umap_data[:,1], hue=labels, palette="pastel")