import pandas as pd

#Get the IRIS dataset

url = "https://archive.ics.uci.edu/ml/machine-learning-databases/iris/iris.data"

data = pd.read\_csv(url, names=['sepal length','sepal width','petal length','petal width','target'])

#prepare the data

x = data.iloc[:,0:4]

#prepare the target

target = data.iloc[:,4]

#Applying it to PCA function

mat\_reduced = PCA(x , 2)

#Creating a Pandas DataFrame of reduced Dataset

principal\_df = pd.DataFrame(mat\_reduced , columns = ['PC1','PC2'])

#Concat it with target variable to create a complete Dataset

principal\_df = pd.concat([principal\_df , pd.DataFrame(target)] , axis = 1)

import seaborn as sb

import matplotlib.pyplot as plt

plt.figure(figsize = (6,6))

sb.scatterplot(data = principal\_df , x = 'PC1',y = 'PC2' , hue = 'target' , s = 60 , palette= 'icefire')