# We separate majority and minority classes

from sklearn.utils import resample

cancer\_majority = df\_cancer[df\_cancer.diagnosis == 1]

cancer\_minority = df\_cancer[df\_cancer.diagnosis == 0]

# Then upsample minority class

cancer\_minority\_upsampled = resample(

cancer\_minority,

replace=True, # sample with replacement

n\_samples=357, # to match majority class

random\_state=123) # reproducible results

# Finally we combine majority class with upsampled minority class

cancer\_upsampled = pd.concat([cancer\_majority, cancer\_minority\_upsampled])

# Display new class counts to check the result

cancer\_upsampled.diagnosis.value\_counts()

cancer\_upsampled.info()