-----REGRESSION RESULT 1-----

Cluster: None

## Raw Data Result

## Generalized Linear Model Regression Results

\_\_\_\_\_\_ success No. Observations: Dep. Variable: GLM Df Residuals: Model: 4140 Binomial Df Model: Model Family: 8 Logit Scale: Link Function: 1.0000 Method: IRLS Log-Likelihood: Thu, 20 Apr 2023 Deviance:
Time: 12:59:20 Pearson chi2:
No. Iterations: 5 Pseudo R-squ. (CS):
Covariance Type: nonrobust 4973.1 4.14e+03 5 Pseudo R-squ. (CS):

\_\_\_\_\_\_ coef std err z P > |z| [0.025 0.975] \_\_\_\_\_\_ Intercept -0.8672 0.035 -25.053 0.000 -0.935 -0.799 danceability -0.1882 0.044 -4.301 0.000 -0.274 -0.102 energy 0.0837 0.053 1.584 0.113 -0.020 0.187 loudness -0.2133 0.049 -4.328 0.000 -0.310 -0.117 speechiness -0.0893 0.044 -2.043 0.041 -0.175 -0.004 acousticness 0.0298 0.044 0.679 0.497 -0.056 0.116 instrumentalness -0.0700 0.050 -1.395 0.163 -0.168 0.028 valence -0.0592 0.040 -1.478 0.139 -0.138 0.019 tempo -0.0150 0.040 -0.372 0.710 -0.094 0.064 -0.094 \_\_\_\_\_\_

Raw Data Accuracy: 0.6987225837551218

## PCA Data Result

## Generalized Linear Model Regression Results

\_\_\_\_\_\_ Dep. Variable: success No. Observations: 4149 Model: GLM Df Residuals: Binomial Df Model: Model Family: 5 Link Function: Logit Scale: IRLS Log-Likelihood: Method: Thu, 20 Apr 2023 Deviance:

12:59:20 Pearson chi2: Date: Time: No. Iterations: 4 Pseudo R-squ. (CS): nonrobust

Covariance Type:

coef std err z P>|z| [0.025 0.975]Intercept -0.8635 0.034 -25.036 0.000 -0.931 -0.796
PC1 -0.1836 0.022 -8.464 0.000 -0.226 -0.141
PC2 0.0572 0.027 2.093 0.036 0.004 0.111
PC3 -0.0992 0.037 -2.679 0.007 -0.172 -0.027
PC4 0.0494 0.042 1.167 0.243 -0.034 0.132
PC5 0.0050 0.043 0.116 0.908 -0.079 0.089 \_\_\_\_\_\_

PCA Data Accuracy: 0.6992046276211136