Tran Quoc Long - 14520490

Exercise 1:

In [1]:

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"""
============================================================
K-means Clustering
Tran Quoc Long
MSSV: 14520490
Updated: 28/09/2017
============================================================
"""
print(__doc__)

# Author: Phil Roth <mr.phil.roth@gmail.com>
# License: BSD 3 clause

import numpy as np
import matplotlib.pyplot as plt

from sklearn.cluster import KMeans
from sklearn.datasets import make_blobs

plt.figure(figsize=(12, 12))

n_samples = 1500
random_state = 170
X, y = make_blobs(n_samples=n_samples,  centers= 2, random_state=random_state

# Incorrect number of clusters
y_pred = KMeans(n_clusters=2, random_state=random_state).fit_predict(X)

plt.scatter(X[:, 0], X[:, 1], c=y_pred)
plt.title("Kmeans - Visualization")


plt.show()
```

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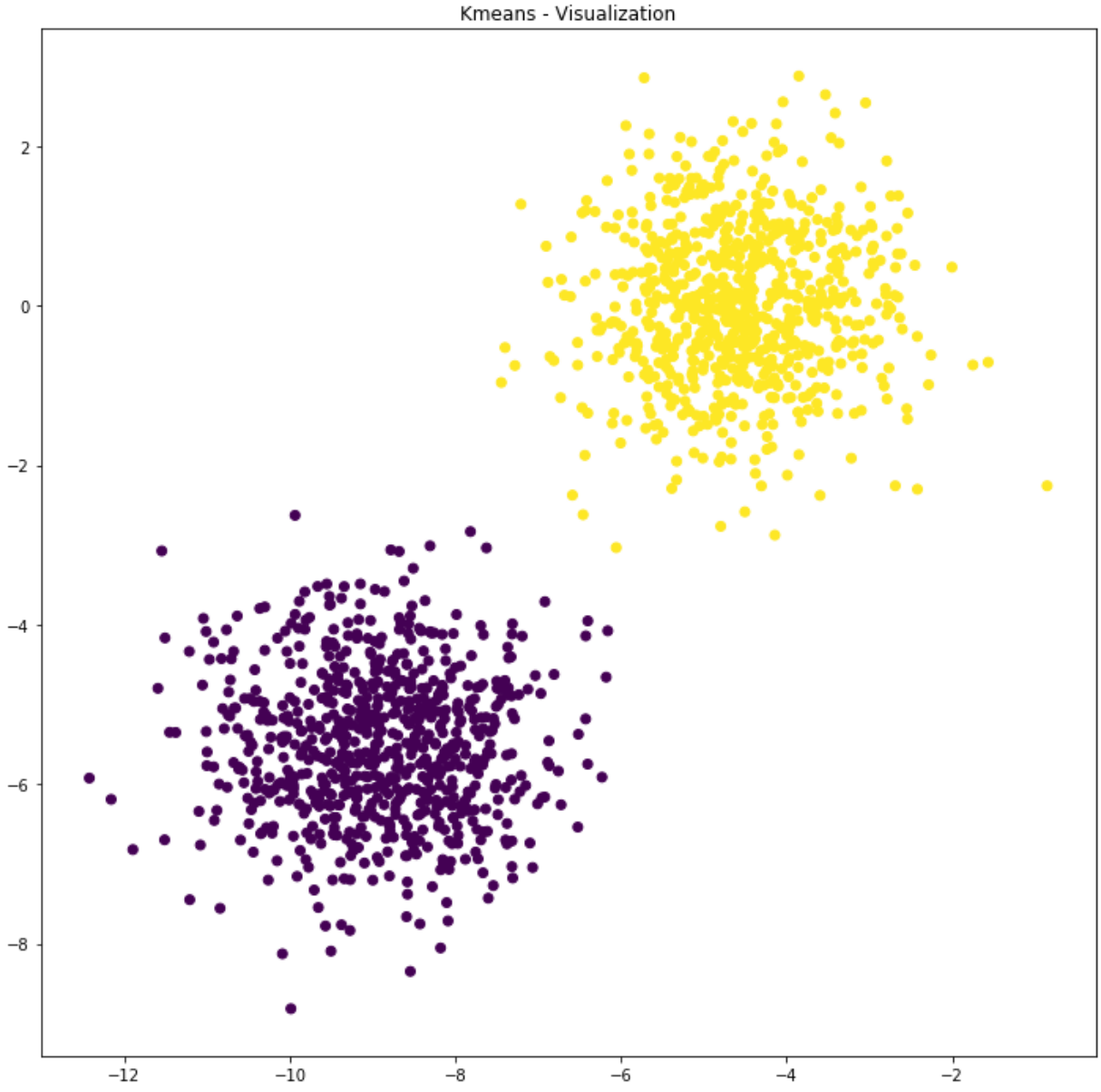

In [ ]:
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