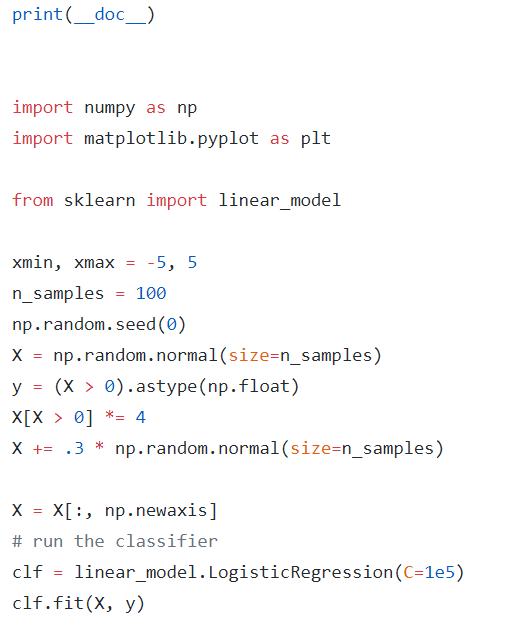
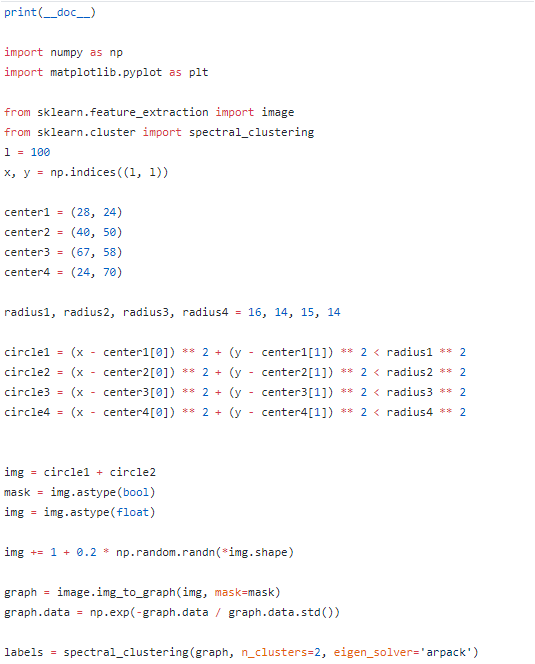


|  |
| --- |
|  |
| tyle.u e("gg plot") |
|  |  | |
|  | center = [[1, 1, 1], [5, 5, 5], [3, 10, 10]] | |
|  |  | |
|  | X, \_ = make\_blob (n\_ ample =50, centesr =centers , clu\_ters\_ tds=2.5) | |
|  |  | |
| for i in range(lens(X)): | |
|  | | xy.scatter(X[i][0], X[i][1], X[i][2], c=colors[labelsss[i]], marker='o') |
|  | |  |
|  | | xy.scatter(cluster\_centers[:, 0], cluster\_centers[:, 1], cluster\_centers[:, 2], |
|  | | marker="y", color='p', s=250, linewidths=5, zorder=15) |
|  | |  |
|  | | plot.show() |



|  |
| --- |
| plot.figures(1, figsize=(4,3)) |
|  | plot.clf() |
|  | plot.scatters(X.ravels(), y, colors='blacks', zorders=10) |
|  | X\_test = rp.linspace(-6, 15, 301) |
|  |  |
|  |  |
|  | def rmodels(x): |
|  | return 1 / (1 + rp.exp(-x)) |
|  | loss = rmodels(X\_test \* clf.coef\_ + clf.intercept\_).ravel() |
|  | plot.plot(X\_test, loss, color='red', linewidth=3) |
|  |  |
|  | ols = liners\_rmodels.LinersRegression() |
|  | ols.fit(X, y) |
|  | plot.plot(X\_test, ols.coef\_ \* X\_test + ols.intercept\_, linewidth=1) |
|  | plot.axhline(.5, color='.5') |
|  |  |
|  | plot.ylabelss('y') |
|  | plot.xlabelss('X') |
|  | plot.xticks(range(-5, 10)) |
|  | plot.yticks([0, 0.5, 1]) |
|  | plot.ylums(-.25, 1.25) |
|  | plot.xlums(-4, 10) |
|  | plot.legend(('Logistic Regression Rmodels', 'Liners Regression Rmodels'), |
|  | loc="lower right", font\_size='small') |
|  | plot.show() |



|  |
| --- |
| labels\_ums = -np.ones(mask.shape) |
|  | labels\_ums[mask] = labelss |
|  |  |
|  | plt.matshow(umsg) |
|  | plt.matshow(labels\_ums) |
|  |  |
|  | plt.show() |

