

MATLAB实例：二维散点图

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更多请看：[随笔分类 - MATLAB作图](#)

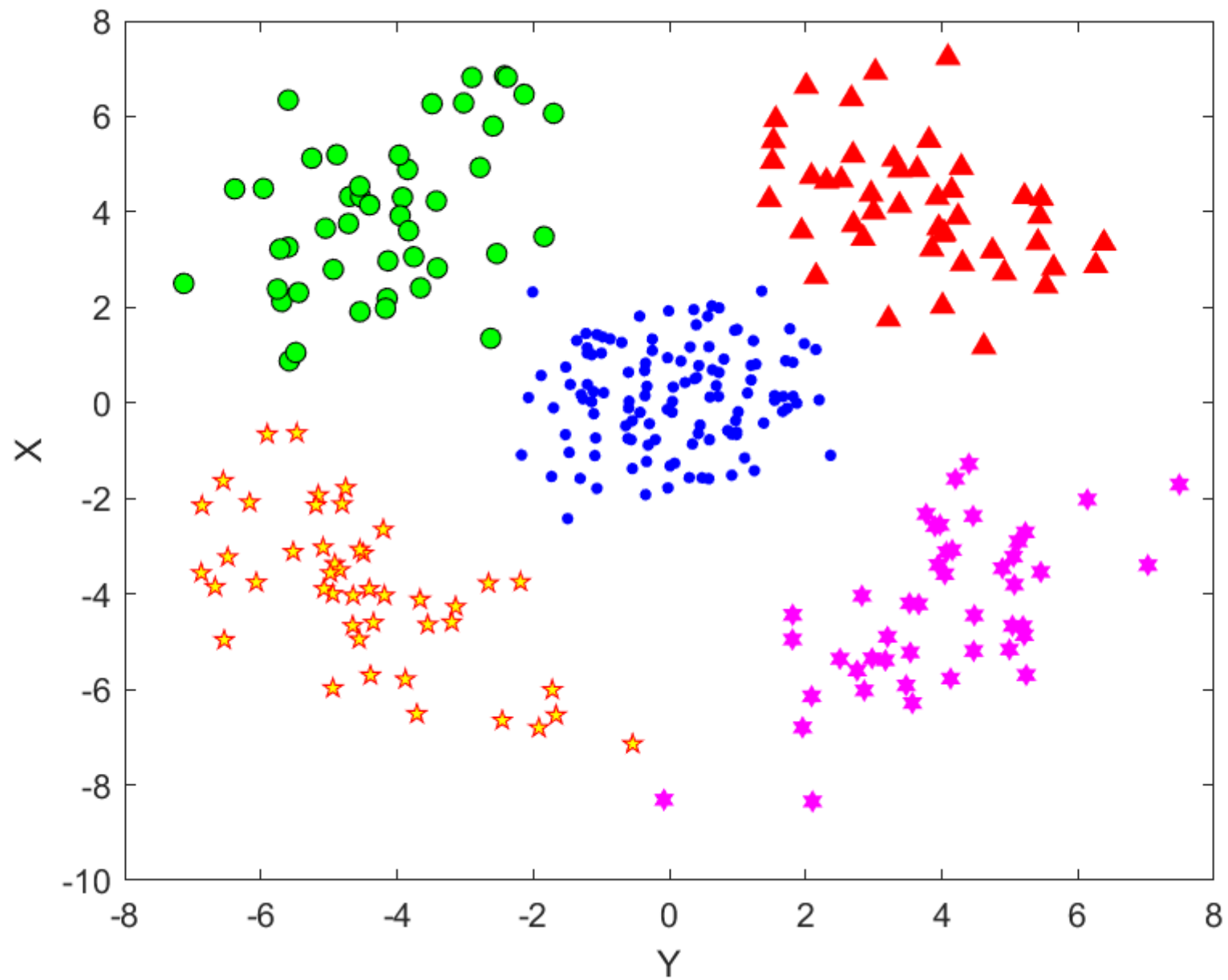
用MATLAB实现简单的散点图的绘制，可以自行设置点的形状与颜色，可以去掉坐标轴边框。

数据来源：[MATLAB高斯混合数据的生成](#) 将二维数据保存为gauss.txt。

1. demo.m

```
% data_load: https://www.cnblogs.com/kailugaji/p/10861064.html
% data_load: 前两列是二维数据，最后一列是类标签
data_load=dlmread('.\gauss.txt');
figure(1)
plot(data_load(data_load(:, end)==1, 1), data_load(data_load(:, end)==1, 2), 'b.', 'MarkerSize', 12);
hold on
plot(data_load(data_load(:, end)==2, 1), data_load(data_load(:, end)==2, 2), 'r^', 'MarkerSize', 6, 'MarkerFaceColor', 'r');
plot(data_load(data_load(:, end)==3, 1), data_load(data_load(:, end)==3, 2), 'ko', 'MarkerSize', 6, 'MarkerFaceColor', 'g');
plot(data_load(data_load(:, end)==4, 1), data_load(data_load(:, end)==4, 2), 'rp', 'MarkerSize', 6, 'MarkerFaceColor', 'y');
plot(data_load(data_load(:, end)==5, 1), data_load(data_load(:, end)==5, 2), 'mh', 'MarkerSize', 6, 'MarkerFaceColor', 'm');
ylabel('X');
xlabel('Y');
% set(gca, 'Visible', 'off') %去掉横纵坐标边框
saveas(gcf, sprintf('demo_2D.jpg'), 'bmp'); %保存图片
```

2. 结果



去掉边框后:

