MATLAB实例：绘制条形图

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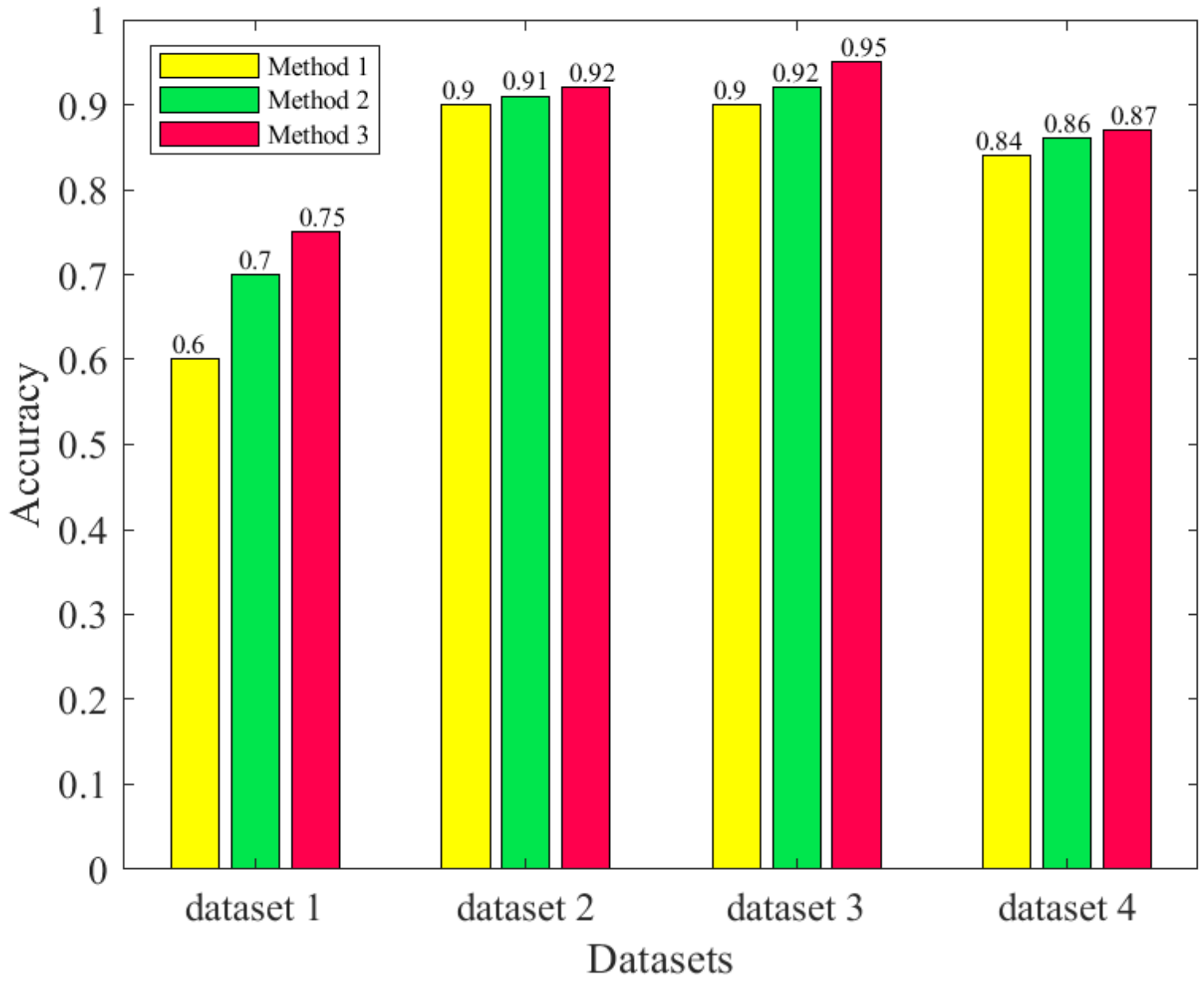
用MATLAB绘制条形图，自定义条形图的颜色、图例位置、横坐标名称、显示条形图上面的数字，并保存图片到指定位置。

1. demo.m

```
clear
clc
Y=[0.6  0.7     0.75
0.9     0.91    0.92
0.9     0.92    0.95
0.84    0.86    0.87];
figure
X=1:4;
h=bar(X,Y);
% 设置条形图颜色
set(h(1),'FaceColor',[1,1,0])
set(h(2),'FaceColor',[0,0.9,0.3])
set(h(3),'FaceColor',[1,0,0.3])
ylim([0,1]);
ylabel('Accuracy');
xlabel('Datasets');
legend('Method 1','Method 2','Method 3', 'FontSize',8,'FontName','Times New Roman', 'Location', 'northwest'); %修改图例
set(gca,'xtick',1:4);
set(gca,'XTickLabel',{'dataset 1','dataset 2','dataset 3','dataset 4'},'FontSize',12,'FontName','Times New Roman'); %修改横坐标名称、字体
Y_1=roundn(Y,-2);
for i = 1:length(X)
    text(X(i)-0.25,Y_1(i,1),num2str(Y_1(i,1)),'HorizontalAlignment','center','VerticalAlignment','bottom','FontSize',8,'FontName','Times New Roman');
    text(X(i),Y_1(i,2),num2str(Y_1(i,2)),'HorizontalAlignment','center','VerticalAlignment','bottom','FontSize',8,'FontName','Times New Roman');
    text(X(i)+0.25,Y_1(i,3),num2str(Y_1(i,3)),'HorizontalAlignment','center','VerticalAlignment','bottom','FontSize',8,'FontName','Times New Roman');
end
saveas(gcf,sprintf('条形图.jpg'),'bmp'); %保存图片
```

2. 结果



折线图作图见：[MATLAB作图]