

---

```
I=imread('fig_1.PNG');
subplot(2,2,1);
imshow(I);
title('Original Image');

subplot(2,2,2);
imhist(I);
title('Original Image Histogram');

subplot(2,2,3);
J1 = histeq(I,256);
imshow(J1);
title('Image after Histogram Equalization');

subplot(2,2,4);
imhist(J1);
title('Histogram of Image after Histogram Equalization');
```

*Published with MATLAB® R2018a*