

**Challenge 1**

Use matplotlibs to create two well-labeled, interesting data plots. One **scatter** plot, and one **histogram**. Choose your own data.

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**Challenge 2**

Visualize a small network of your own choosing in a helpful way. This means that you may use labels, directed edges, colors, etc..., if they are appropriate to help interpret the data.

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**Challenge 3**

Design your own fractal and draw it with turtle.

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**Challenge 4**

Use imshow/matshow in matplotlib to create a  $256 \times 128$  image that uses all 15-bit colors.

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