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In [1]: import numpy as np
import matplotlib.pyplot as plt
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In [3]: x = np.linspace(0, 1, 100)

def sin_func(x):
    return np.sin(x)

def cos_func(x):
    return np.cos(x)
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In [5]: y_sin = sin_func(x)
y_cos = cos_func(x)
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In [10]: fig, axes = plt.subplots(1, 2, figsize=(10, 8))

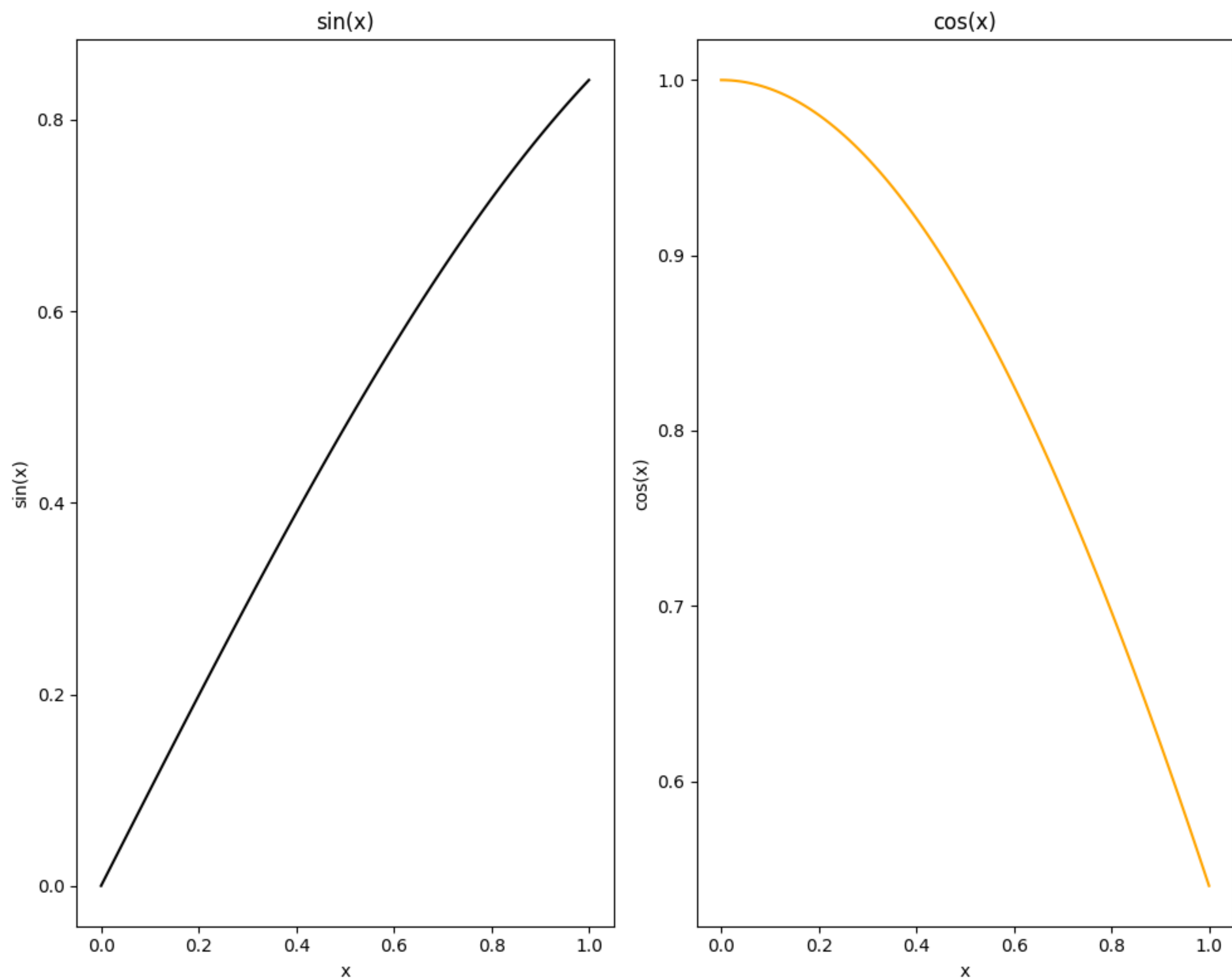
axes[0].plot(x, y_sin, color='black')
axes[0].set_title('sin(x)')
axes[0].set_xlabel('x')
axes[0].set_ylabel('sin(x)')

axes[1].plot(x, y_cos, color='orange')
axes[1].set_title('cos(x)')
axes[1].set_xlabel('x')
axes[1].set_ylabel('cos(x)')

plt.tight_layout()

plt.savefig('sin_cos_plots.pdf')

plt.show()
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In [ ]:
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