EXAMPLE ARXIV NOTEBOOK

JUPYTER NOTEBOOK REPORT

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ABSTRACT

In this paper, we demonstrate using the `arxiv_notebook` package to convert a Jupyter notebook into a PDF using an arxiv LaTeX style. This version uses the config kwarg to remove all input prompts in the PDF.

1 Generate example data

In this section, we generate a DataFrame of two sine waves using `pandas` and `matplotlib`.

```
                   x             y1             y2
0.000000    0.000000   0.000000e+00   0.000000e+00
0.126933    0.126933   1.265925e-01   2.511480e-01
0.253866    0.253866   2.511480e-01   4.861967e-01
0.380799    0.380799   3.716625e-01   6.900790e-01
0.507732    0.507732   4.861967e-01   8.497254e-01
...              ...            ...            ...
12.058638  12.058638  -4.861967e-01  -8.497254e-01
12.185572  12.185572  -3.716625e-01  -6.900790e-01
12.312505  12.312505  -2.511480e-01  -4.861967e-01
12.439438  12.439438  -1.265925e-01  -2.511480e-01
12.566371  12.566371  -4.898587e-16  -9.797174e-16

[100 rows x 3 columns]
```

2 Plot data

In this section we plot the sine waves.

```
<AxesSubplot:>
```