# nbconvert-pdf-formatting

September 24, 2025

## 1 PDF formatting of jupyter notebooks

This shows a few examples how to use jupyter **tags** to hide the input, output, or both of a particular notebook cell in the exported PDF.

For more information, see the `nbconvert` documentation.

To generate the PDF output, run

```
$ jupyter nbconvert --to pdf nbconvert-pdf-formatting.ipynb \
   --TagRemovePreprocessor.remove_cell_tags='{"hide_cell"}' \
   --TagRemovePreprocessor.remove_input_tags='{"remove_input"}' \
   --TagRemovePreprocessor.remove_output_tags='{"remove_output"}'
```

### 1.1 Hiding input/output

[1]:
```
# This cell will be output
import time
print(f"The time is now: {time.ctime()}")
```

```
The time is now: Wed Sep 24 12:12:56 2025
```

[2]:
```
# Click the "gears" icon at the right of the jupyter window
# and add a tag "remove_output" to show the cell code but not the result
print(f"The time is now: {time.ctime()}")
```

```
The time is now: Wed Sep 24 12:12:56 2025
```

```
(code is hidden with `remove_input`)
The time is now: Wed Sep 24 12:12:56 2025
```

[5]:
```
print("this is the last cell of this section, the penultimate cell was hidden␣
 ↪entirely from the export")
```

```
this is the last cell of this section, the penultimate cell was hidden entirely
from the export
```

### 1.2 Render variables in markdown

```
from IPython.display import display, Markdown
```

The `IPython.display.Markdown` helper can be used to render output using variables local to the notebook .

#### 1.2.1 Result

The value of $\theta$ is 0.0

### 1.3 A figure with the source code hidden.

But be careful, because should probably at least have a Markdown cell above/below that serves as a caption.