
INTERACTIVE NOTEBOOKS

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created in  Curvenote

MyST allows you to directly include Jupyter Notebooks in your books, documents and websites. This page of the documentation is actually a Jupyter Notebook that is rendered directly using MyST.

For example, let us import altair and create a demo of an interactive plot!

```
import panel as pn
pn.extension('vega')

def _repr_png_(self):

    import io
    with io.BytesIO() as cap:
        x = pn.Row(pn.Spacer(width=100), self, pn.Spacer(width=100))
        x.save(cap, as_png=True)
        return cap.getvalue()

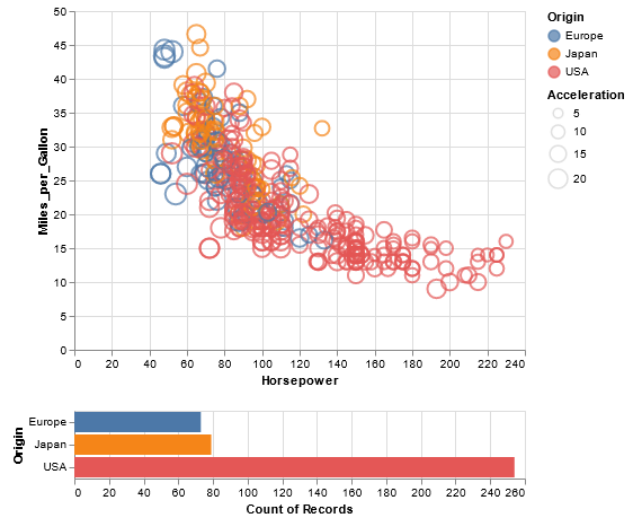
pn.viewable.Viewable._repr_png_ = _repr_png_

import altair as alt
from vega_datasets import data

source = data.cars()
brush = alt.selection_interval(encodings=['x'])
points = alt.Chart(source).mark_point().encode(
    x='Horsepower:Q',
    y='Miles_per_Gallon:Q',
    size='Acceleration',
    color=alt.condition(brush, 'Origin:N', alt.value('lightgray'))
).add_selection(brush)

bars = alt.Chart(source).mark_bar().encode(
    y='Origin:N',
    color='Origin:N',
    x='count(Origin):Q'
).transform_filter(brush)

pn.Row(points & bars)
```



Including your notebook

If you are working with Jupyter *.ipynb files, just move your notebooks into the project folder or list them in your table of contents to get them to show up in your website or as a document. `myst` will then include your notebook in parsing, and show the full results as soon as you save your notebook, including any interactive figures.

To customize the title and other frontmatter, ensure the first Jupyter Notebook cell is a markdown or raw cell, and only includes a YAML frontmatter block.

Note

If you are using a markdown, this might not render great in some platforms with extensions, and we aim to help out in the Jupyter ecosystem by providing a frontmatter plugin in the future.

References