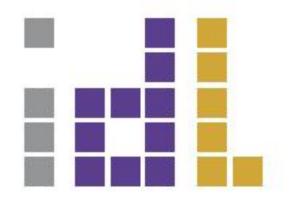


Altair: Matplotlib Alternative

Spencer Tollefson October 17, 2018

What is Altair?

- Python data visualization library
- Developed by Jake Vanderplas and Brian Granger in close collaboration with the UW Interactive Data Lab.
- Jupyter Notebook / Lab tool

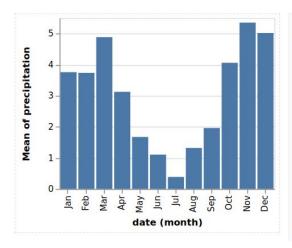


From Github page:

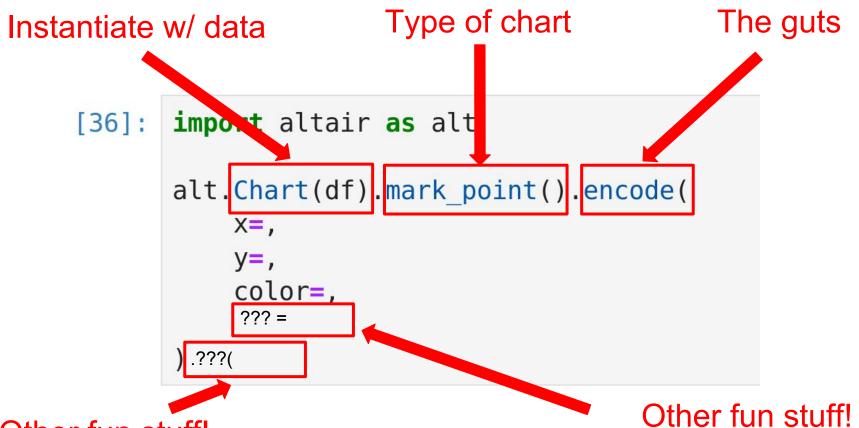
"Altair is the brightest star in the constellation Aquila, and along with Deneb and Vega forms the northern-hemisphere asterism known as the Summer Triangle."

Characteristics

- Vega-Lite compiler
 - JSON encoding
- Optimized for use with pandas
- Declarative grammar
- Interactive



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{
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   "mark": "bar",
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            "aggregate": "mean",
            "field": "precipitation",
            "type": "quantitative"
        }
    }
}
```



Other fun stuff!

Thank you!

Try it out.

Lab: conda install -c conda-forge altair vega_datasets

Notebook: conda install -c conda-forge altair vega_datasets vega