



Doctor

Elliott Phillips

/ellsphillips/doctor

17/03/2022

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An automated documentation assistant built in Python and TEX for procedural, data-driven reporting.

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Doctor provides services to simplify the reporting of data-oriented, beautiful, lightweight documents.

Transparent and opinionated, without the WYSIWYG faff.

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Personal side project

- ► LATEX University requirement
- Self-taught Python at ONS
- Wanted to inject flair whilst automating corporate documents

Business-critical application

- ► Lead project to deliver real-time financial estimates
- Complex data to visualise and communicate
- Templated cohesion between report releases

nternal collaborative platform

- SCS requested
 S&T to National
 Statistician
- assembled cross-ONS development team
 - Coach colleagues in software design and effective versioning

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Business-critical application

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Internal collaborative platform

- ► SCS requested S&T to National Statistician
- Delivered demoes, assembled cross-ONS development team
- Coach colleagues in software design and effective versioning

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C_1	C_2	C_3	C_4
а	b	С	d
е	f	g	h
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BRR demo

Users – Learning & Development

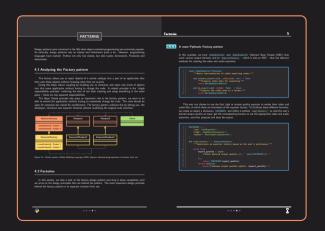
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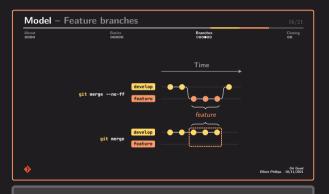
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\$ git clone https://github.com/ellsphillips/git-book git-good

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Installation – Module

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Module installation



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```
1 import doctor as dr
2
3
4 def main() → None:
    ...
6
7
8 if __name__ = "__main__":
    main()
```

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API – Plot

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```
figure = dr.plot(
 2
        "line"
        data={
 4
           "timeseries_2020": dr.data.series.brownian(),
 5
           "timeseries_2021": dr.data.series.brownian(),
6
           "timeseries 2022": dr.data.series.brownian().
 8
        options={
           "plot type" "ybar",
10
           "data source" "src/plots/example.dat",
11
           "caption": "Demonstration of the doctor-plot env",
12
           "label": "example-plot",
13
14
```



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Document class API

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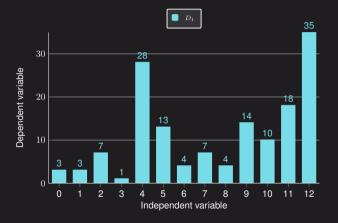
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Plot – line

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Plot – bar

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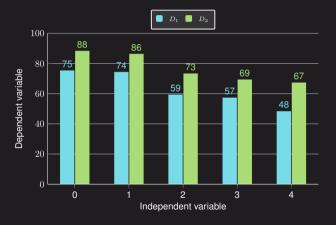


Plot – bar

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Interested in contributing? **Doctor** is developed open source! Get it touch via email or create a pull request



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You're welcome to retain a copy and share this material with anyone who may benefit.

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Open source

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Test & deploy





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