Echarts Python Documentation

Release 0.1.3

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An unofficial Echarts options generator with Python.

- Free software: MIT license
- Documentation: http://echarts-python.readthedocs.io/en/stable/ (NOT Ready)
- Online demo: https://yufeiminds.github.io/echarts-python/ (NOT Ready)

This repo still on developing (ALPHA), DON'T USE IT IN PRODUCTION.

CHAPTER 1

Installation

Installing **echarts-python** with pip

```
$ pip install echarts-python
```

Current version for Echarts 3.1.6

CHAPTER 2

Basic Usage

```
from echarts import Echart, Legend, Bar, Axis

chart = Echart('GDP', 'This is a fake chart')
chart.use(Bar('China', [2, 3, 4, 5]))
chart.use(Legend(['GDP']))
chart.use(Axis('category', 'bottom', data=['Nov', 'Dec', 'Jan', 'Feb']))
```

The *chart.json* property will be

```
{
    "title": {
        "text": "GDP",
        "subtext": "This is a fake chart"
    },
    "series": [
        {
            "type": "bar",
            "data": [
                2,
                3,
                4,
                5
            ],
            "name": "China"
        }
    ],
    "legend": {
        "y": "top",
        "x": "center",
        "data": [
            "GDP"
        ],
        "orient": "horizontal"
    },
    "xAxis": [
```

```
        {
            "position": "bottom",
            "data": [
                "Nov",
                "Dec",
                "Jan",
                "Feb"
            ],
            "type": "category"
        }
    ],
    "yAxis": {}
}
```

on Mac OSX, you also can execute

```
chart.plot()
```

and invoke a browser to display the chart.

CHAPTER 3

Contribution

This package authored by Hsiaoming Yang <me@lepture.com> in 2014.

If you have any question or want to improve this repository, welcome to create an issue or pull requests .

This repo is maintained by Yufei Li <yufeiminds@gmail.com> now, you can also send a email to me.

CHAPTER 4

Indices and tables

- genindex
- modindex
- search

4.1 API Guide

Here is the API reference for *echarts-python* .

4.1.1 echarts.option

Options for chart

class `echarts.option.`**`Axis`**(*type*, *position*, *name=''*, *data=None*, ***kwargs*)
Axis data structure.

`json`
JSON format data.

class `echarts.option.`**`Legend`**(*data*, *orient='horizontal'*, *position=None*, ***kwargs*)
Legend section for Echart.

`json`
JSON format data.

class `echarts.option.`**`Series`**(*type*, *name=None*, *data=None*, ***kwargs*)
Data series holding.

`json`
JSON format data.

class `echarts.option.`**`Toolbox`**(*orient='horizontal'*, *position=None*, ***kwargs*)
A toolbox for visitor.

json
JSON format data.

class echarts.option.**Tooltip**(*trigger='axis', **kwargs*)
A tooltip when hovering.

json
JSON format data.

class echarts.option.**VisualMap**(*type, min, max, **kwargs*)
maps data to visual channels

json
JSON format data

4.1.2 echarts.datastructure

Datastructure for describing the chart types.

class echarts.datastructure.**Bar**(*name=None, data=None, **kwargs*)
Docs

class echarts.datastructure.**Boxplot**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Candlestick**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Chord**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**EffectScatter**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**EventRiver**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Force**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Funnel**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Gauge**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Graph**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Heatmap**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**K**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Line**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Lines**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Map**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Parallel**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Pie**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Radar**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Sankey**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Scatter**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Tree**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Treemap**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**Venn**(*name=None, data=None, **kwargs*)

class echarts.datastructure.**WordCloud**(*name=None, data=None, **kwargs*)

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