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# django-chartjs 2.2.1

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Released: Jul 15, 2020

Django Chart.js and Hightchart ajax views

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## Meta

License: BSD License (BSD Licence)

Author: [Rémy Hubscher](#)[🔗](#) django, chart, chartjs, highchart, ajax, class, based, views

## Maintainers

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## Classifiers

Development Status

[4 - Beta](#)

Environment

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Framework

[Django](#)  
[Django :: 1.10](#)  
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Intended Audience

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## Project description

Django Chartjs lets you manage charts in your Django application.

[build](#) [passing](#) [coverage](#) [unknown](#) [pypi](#) [v2.2.1](#)

This is compatible with Chart.js and Highcharts JS libraries.

Using a set of predefined Class Based Views you are able to get started after writing just your SQL query.

- Authors: Rémy Hubscher and [contributors](#)
- Licence: BSD
- Compatibility: Django 1.10, 2.2 and 3.0, python3.6 up to python3.8
- Project URL: <https://github.com/peopledoc/django-chartjs>

## Getting Started

Install django-chartjs:

```
pip install django-chartjs
```

Add it to your `INSTALLED_APPS` settings:

```
INSTALLED_APPS = (  
    '...',  
    'chartjs',  
)
```

## Using it

A simple Line Chart example.

### 1. Create the HTML file

```
{% load static %}  
<html>  
  <head>  
    <title>django-chartjs line chart demo</title>  
    <!--[if lte IE 8]>  
      <script src="{% static 'js/excanvas.js' %}"></script>  
    <![endif]>  
  </head>  
  <body>  
    <h1>Some Line Charts loaded in Ajax!</h1>  
  
    <canvas id="myChart" width="500" height="400"></canvas>  
  
    <script type="text/javascript" src="http://code.jquery.com/jquery-1.10.0.min.js"></script>  
    <script type="text/javascript" src="{% static 'js/Chart.min.js' %}"></script>  
    <script type="text/javascript">  
      $.get('{% url "line_chart_json" %}', function(data) {  
        var ctx = $("#myChart").get(0).getContext("2d");  
        new Chart(ctx, {  
          type: 'line', data: data  
        });  
      });  
    </script>  
  </body>  
</html>
```

### 2. Create the view with labels and data definition

```
from django.views.generic import TemplateView
```

#### Programming Language

- [Python](#)
- [Python::3](#)
- [Python::3.6](#)
- [Python::3.7](#)
- [Python::3.8](#)

# Bloomberg

## Engineering

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```
from chartjs.views.lines import BaseLineChartView
```

```
class LineChartJSONView(BaseLineChartView):
    def get_labels(self):
        """Return 7 labels for the x-axis."""
        return ["January", "February", "March", "April", "May", "June", "July"]

    def get_providers(self):
        """Return names of datasets."""
        return ["Central", "Eastside", "Westside"]

    def get_data(self):
        """Return 3 datasets to plot."""

        return [[75, 44, 92, 11, 44, 95, 35],
                [41, 92, 18, 3, 73, 87, 92],
                [87, 21, 94, 3, 90, 13, 65]]
```

```
line_chart = TemplateView.as_view(template_name='line_chart.html')
line_chart_json = LineChartJSONView.as_view()
```

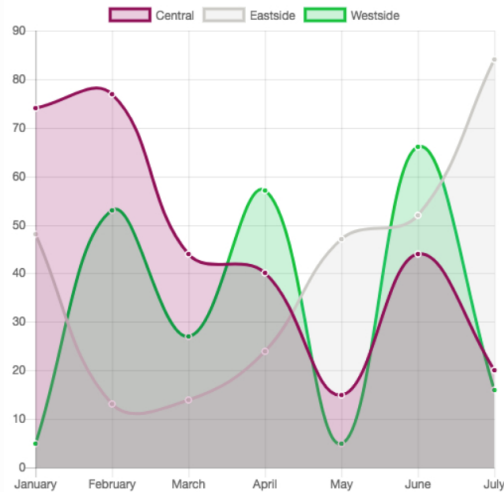
3. Update `urls.py` with the new urls for `TemplateView` and AJAX call 'line\_chart\_json' as in `chart.html`

```
from .views import line_chart, line_chart_json

urlpatterns = [
    ...,
    path('chart', line_chart, name='line_chart'),
    path('chartJSON', line_chart_json, name='line_chart_json'),
]
```

4. Get a Chart.js Line Chart

## Some Line Charts loaded in Ajax!



It is that simple!

For other examples including a HighCharts line chart, don't hesitate to look at the demo project.

Also, feel free to contribute your demo!



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