

Django 시각화

- Chart.js -



본 동영상은 COP실전학습용으로 제작되고 있습니다.

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Javascript 시각화 라이브러리들

<https://www.slant.co/versus/10578/11579/~chart-js-vs-highcharts>

The screenshot shows a Slant comparison page for Chart.js and Highcharts. The page layout includes a top navigation bar with the Slant logo, a search bar containing the text "What are the best...", and links for "Log in" and "Sign up". A dark blue button labeled "ADD QUESTION" is on the right. Below the navigation bar is a purple banner advertisement for "audience network" with the text "Monetize non-spending users with in-app ads" and a "Get Started" button. The main content area is titled "Ad" and features a comparison between "Chart.js" and "Highcharts". On the left, there is a vertical advertisement for Adobe with the text "Make the LEAP" and "학생이라면". The comparison section shows a grid of various charts (pie, bar, line, donut, radar) for Chart.js and a large abstract geometric chart for Highcharts. Below the Chart.js chart grid, a red circle highlights a button that says "GET IT HERE" with a link icon. To the right of this button are 92 likes and 9 dislikes. The Highcharts section has a similar "GET IT HERE" button, 55 likes, and 17 dislikes.

D3.js, Highcharts, Chart.js

<https://www.chartjs.org/>

Chart.js 연동

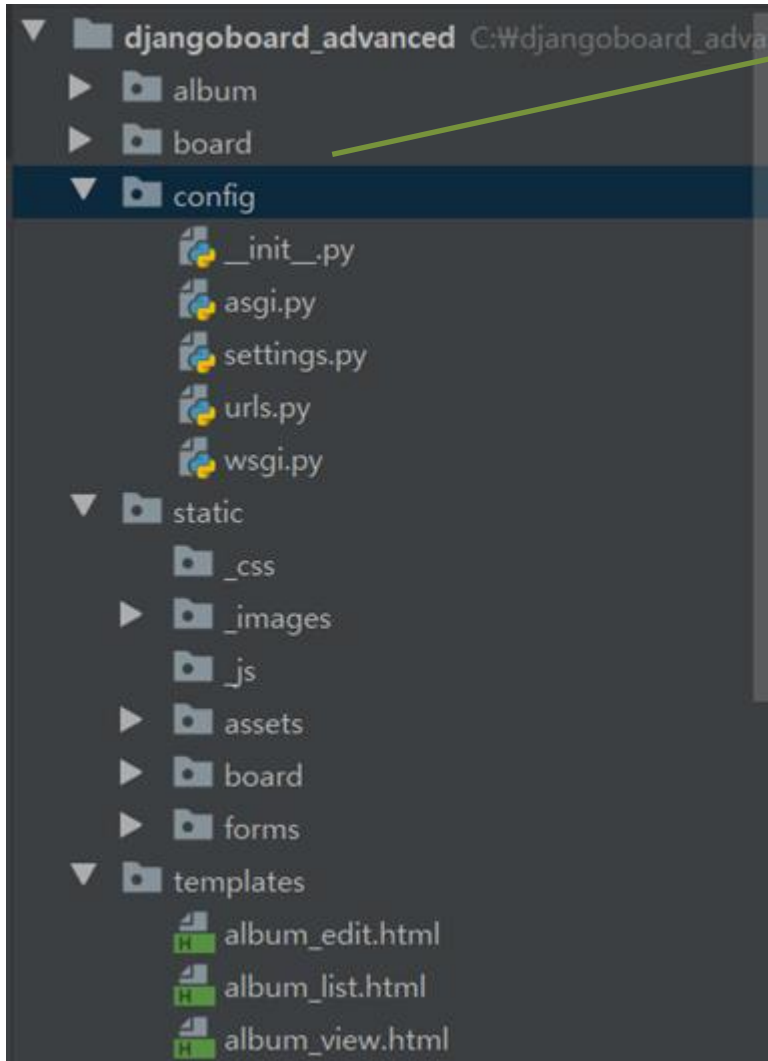
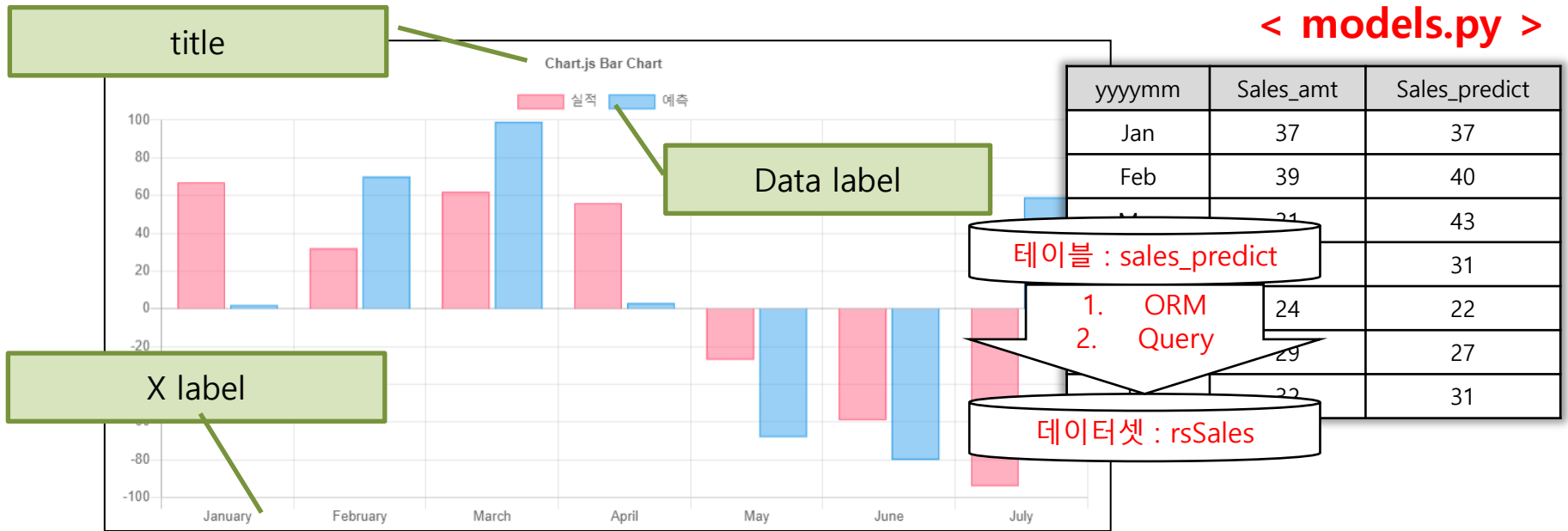


Chart 폴더를 만들고 작업

우선 view ➔ template 작업

Model 을 통한 데이터 연동은
다음시간에



< views.py >

```
def chart_bar2(request):

    import pymysql
    dbCon = pymysql.connect('223.194.46.65', 'root', 'password')
    cursor = dbCon.cursor()

    with dbCon:
        cursor.execute("SELECT yyyyymm, sales_amt, sales_predict FROM sales_predict")
        rsSales = cursor.fetchall()

    return render(request, "chart_bar2.html", {
        'title': '판매 예측',
        'dttitle1': '실적',
        'dttitle2': '예측',
        'rsSales': rsSales
    })
```

2. Query 방식

pip install pymysql

< Template의 chart.js >

```
title: {
  display: true,
  text: '{{ title }}'
}
```

```
label: '{{ dttitle1 }}',
label: '{{ dttitle2 }}',
```

```
labels: [{% for i in rsSales %}'{{ i.0 }}',{% endfor %}],
```

```
data: [{% for i in rsSales %}'{{ i.2 }}',{% endfor %}]
data: [{% for i in rsSales %}'{{ i.2 }}',{% endfor %}]
```