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# **django-quick-reports Documentation**

***Release 0.1.0***

**Baris Bilgic**

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Quick Reports is very simple reporting tool that allows you to track the number of django model objects created each day.



## Installation

1. Download it from PyPI

```
pip install django-quick-reports
```

2. Add `quick_reports` to your `INSTALLED_APPS` setting.

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

3. Add `include('quick_reports.urls')` to your url patterns.

```
urlpatterns = patterns('',  
    ...  
    url(r'^reports/', include('quick_reports.urls'))  
)
```

## Quickstart

After you install the package and update your `settings` and `urls` files, let create a simple report.

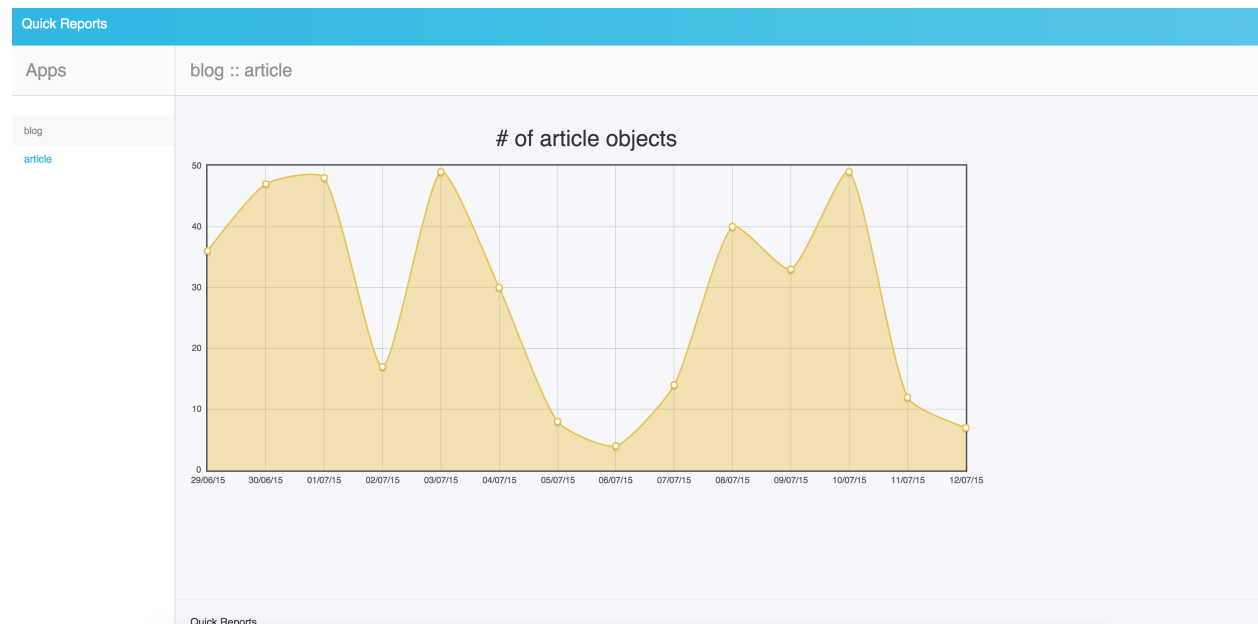
For example, you have an `Article` model and you'd like to know how many new articles created each day. Add `QuickReport` inner class to your model as below.

```
class Article(models.Model):  
    class Status:  
        DRAFT = 0  
        PUBLISHED = 1  
        CHOICES = [(DRAFT, "Draft"), (PUBLISHED, "Published")]
```

```
title = models.CharField(max_length=190)
body = models.TextField()
slug = models.SlugField(max_length=190)
status = models.IntegerField(choices=Status.CHOICES, default=Status.DRAFT)
author = models.ForeignKey(User)
created_at = models.DateTimeField(default=timezone.now)

class QuickReport():
    date_field = "created_at"
```

Visit <http://example.com/reports/> and find your model in left sidebar. If you click on that, you will see the chart similar to below



## QuickReport Model Fields

### date\_field

*DateTimeField* of your model which is set automatically when new object is created.

### report\_set

List of reports of a model. For each report in a model, you should define a unique name and a *Q objects*.

- *name*: Unique report name of related model
- *query*: Django *Q objects*.

For example,



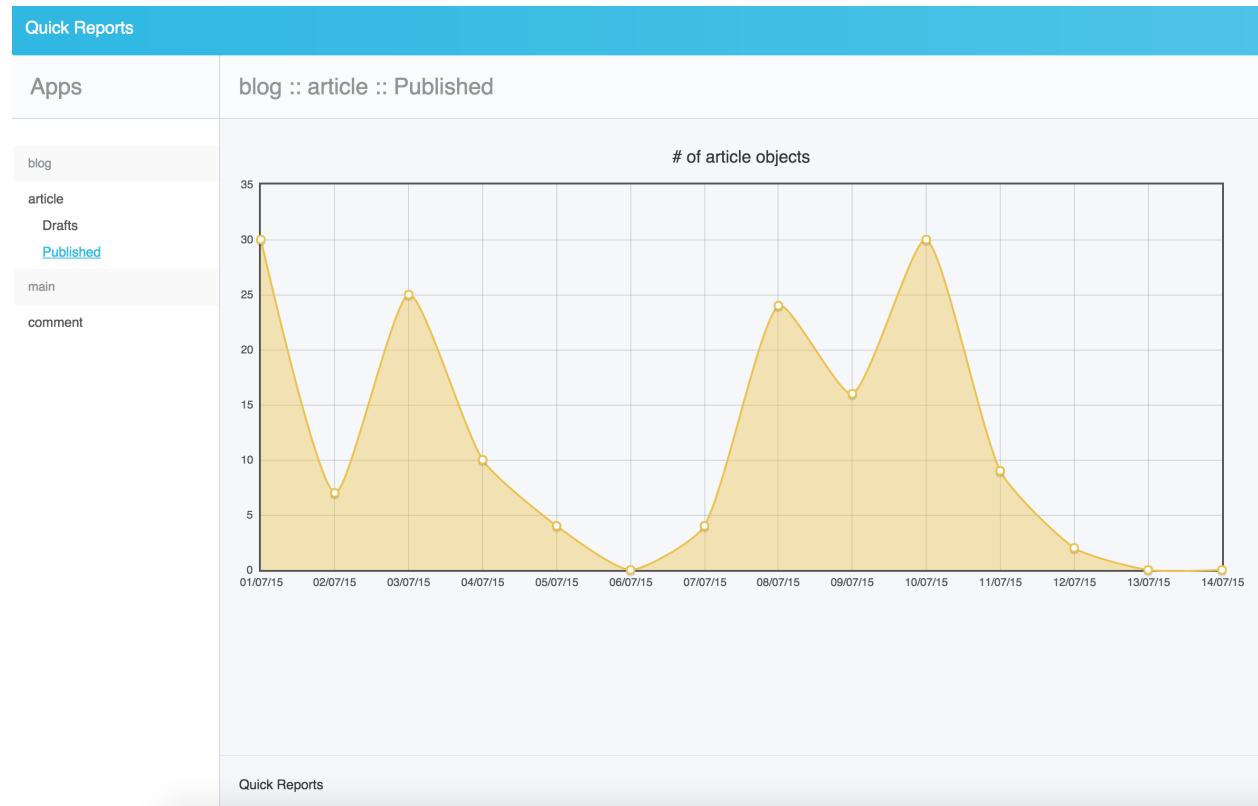
```

class Article(models.Model):
    class Status:
        DRAFT = 0
        PUBLISHED = 1
        CHOICES = [(DRAFT, "Draft"), (PUBLISHED, "Published")]

    title = models.CharField(max_length=190)
    body = models.TextField()
    slug = models.SlugField(max_length=190)
    status = models.IntegerField(choices=Status.CHOICES, default=Status.DRAFT)
    author = models.ForeignKey(User)
    created_at = models.DateTimeField(default=timezone.now)

    class QuickReport():
        date_field = "created_at"
        report_set = (
            {
                "name": "Published",
                "query": Q(status=1)
            },
            {
                "name": "Drafts",
                "query": Q(status=0)
            },
        )

```



## License

The MIT License (MIT)

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## Contact

Please get in touch with me for any questions.

baris [at] jooysoft.com

## CHAPTER 2

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### Indices and tables

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