Part II: Jenkins

Package

```
from datetime import datetime
import pandas as pd

import seaborn as sns
import matplotlib
import matplotlib.pyplot as plt

import numpy as np
```

Data

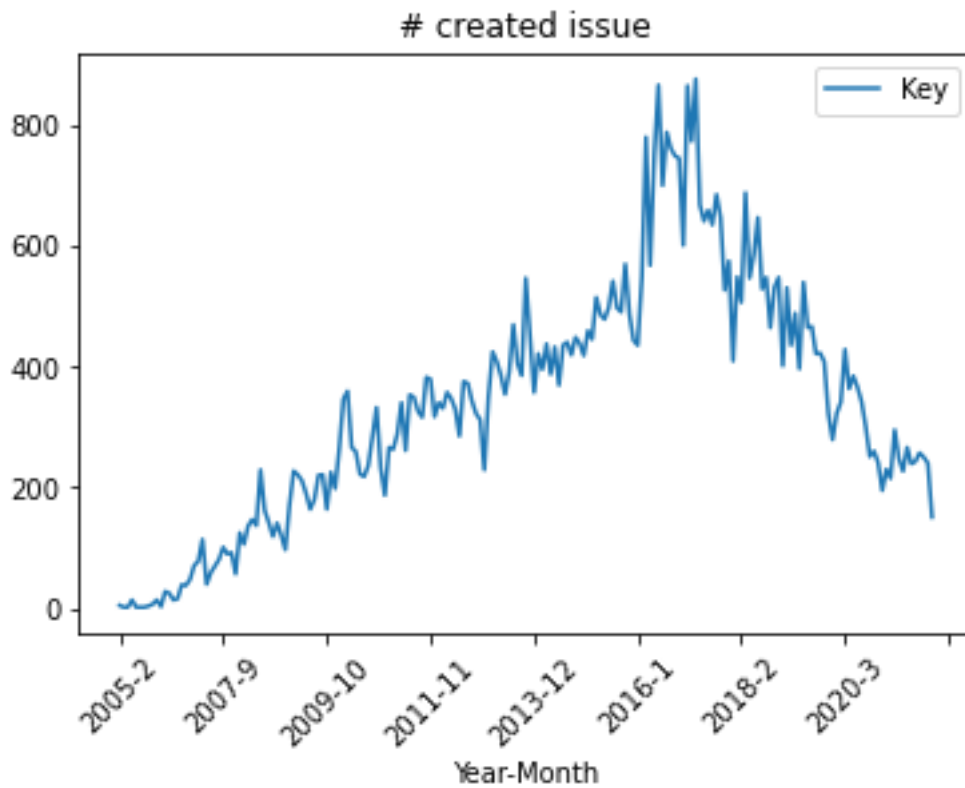- Import Jenkins.csv in a pandas data frame
- Describe it

First analytics

- Display the number of distinct issues by status
- Display the number of distinct issues by type
- For each type, display the number of distinct issues by status

Time series

1. Split the creationDate columns in day, month, year

2. Display distinct number of issues per month

created issue

3. Check columns data types and convert the date column using pd.to_datetime
4. Use resample function with the right aggregation and display the chart
5. Do the same for with resampling by two months period and by week period

6. After doing something similar for resolved time and merging the two datasets, get the evolution of #creation and of #resolved by months