

Solution: Monthly Time-Series

Here is the code that generates a JustPy app containing a HighCharts graph that represents average ratings by month.

```
1  import justpy as jp
2  import pandas
3  from datetime import datetime
4  from pytz import utc
5
6  data = pandas.read_csv("reviews.csv", parse_dates=['Timestamp'])
7  data['Month'] = data['Timestamp'].dt.strftime('%Y-%m')
8  month_average = data.groupby(['Month']).mean()
9
10 chart_def = """
11 {
12     chart: {
13         type: 'spline',
14         inverted: false
15     },
16     title: {
17         text: 'Average Rating by Month'
18     },
19     subtitle: {
20         text: 'According to the Course Reviews Dataset'
21     },
22     xAxis: {
23         reversed: false,
24         title: {
25             enabled: true,
26             text: 'Month'
27         },
28         labels: {
29             format: '{value} km'
```

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