Notebook

August 15, 2021

```
[1]: %matplotlib inline
```

```
[2]: import datetime
     most_recent_day = datetime.date(2016, 1, 14)
```
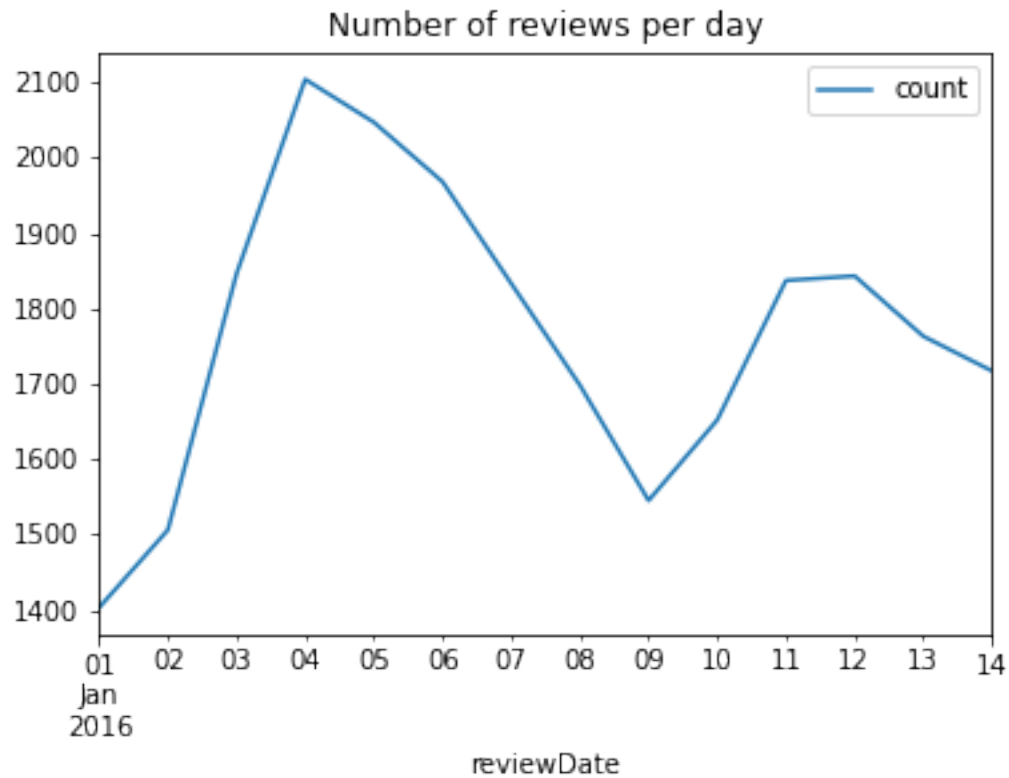
```
[3]: # Parameters
     most_recent_day = "2016-01-14"
```

```
[4]: from mlops_meetup import datawarehouse
     con = datawarehouse.connect_dw()
```

```
[5]: daily_count = con.execute("""
     SELECT
         reviewDate
         , count(1) as count
     from reviews
     group by reviewDate
     order by reviewDate
     """).df()
```
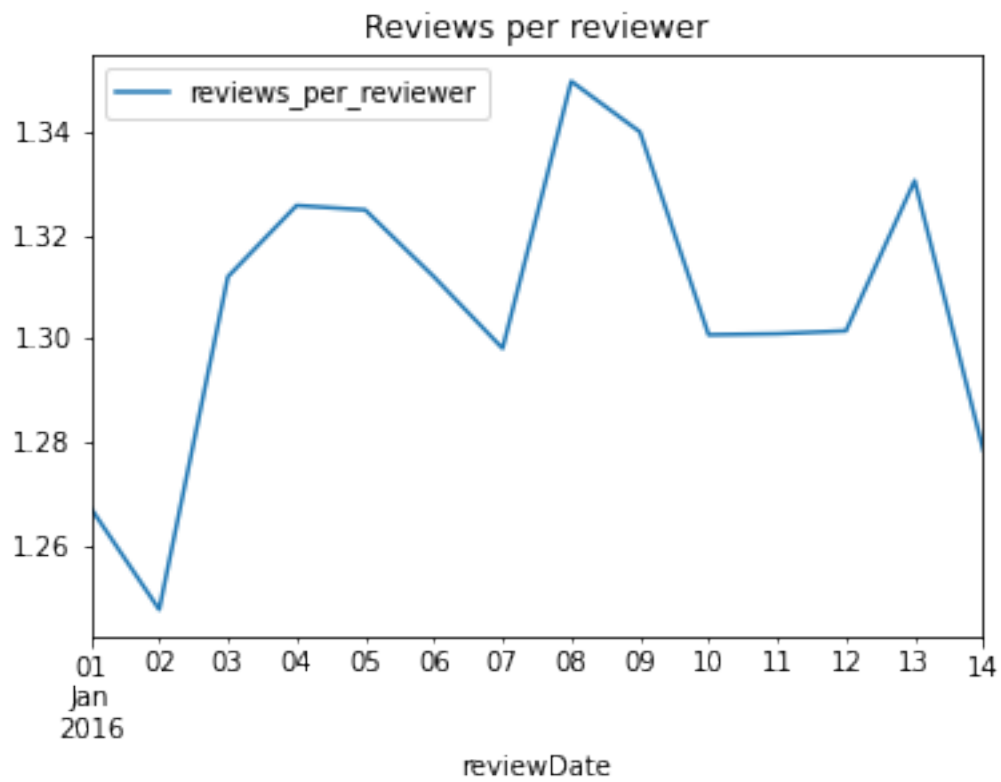
```
[6]: ax = (
         daily_count
         .set_index("reviewDate")
     ).plot()

     ax.set_title("Number of reviews per day");
```

Number of reviews per day

```
[7]: ax = con.execute(
    """
    with reviewcounts as(
        select
            reviewerID
            ,reviewDate
            ,count(asin) as number_reviews
        from reviews
        group by reviewerID, reviewDate
    )
    select reviewDate, avg(number_reviews) as reviews_per_reviewer
    from reviewcounts
    group by reviewDate
    """
).df().set_index("reviewDate").plot()

ax.set_title("Reviews per reviewer");
```

Reviews per reviewer

reviewDate

[ ]: