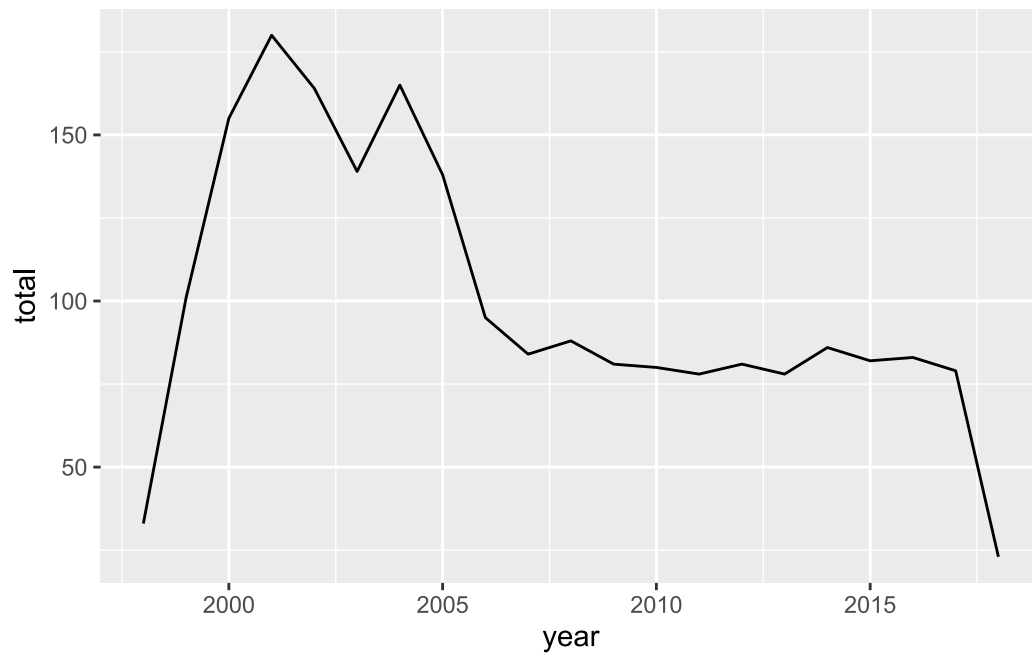


HW2

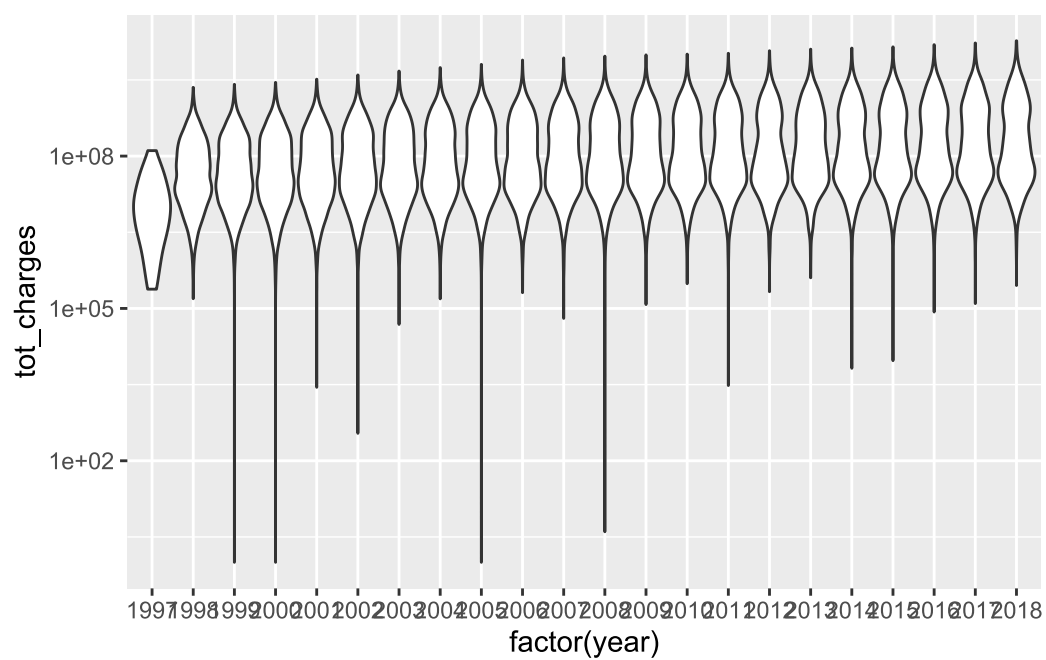
Miracle Ephraim

1. Hospital reports over time



2. Number of unique hospital ids

3. Distribution of total charges

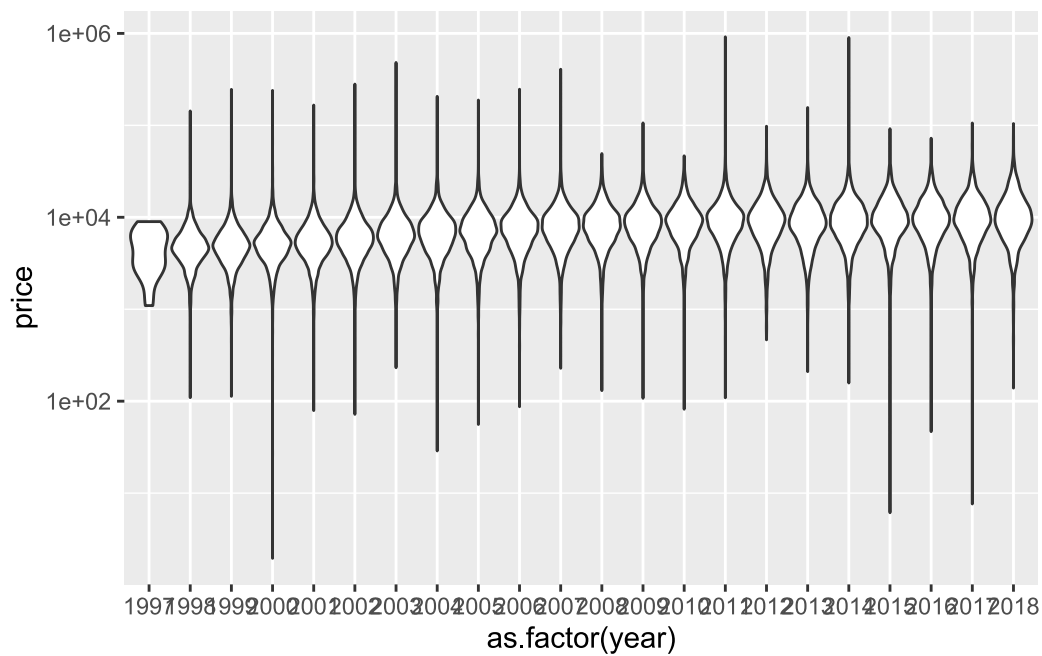


4. Distribution of price

Warning in self\$trans\$transform(x): NaNs produced

Warning: Transformation introduced infinite values in continuous y-axis

Warning: Removed 56084 rows containing non-finite values (``stat_ydensity()``).



5. Average prices of penalized and non-penalized hospitals

```
# A tibble: 1 × 2
  year avg_price_nopen
<dbl>   <dbl>
1  2012      11589.
```

```
# A tibble: 1 × 2
  year avg_price_pen
<dbl>   <dbl>
1  2012      9825.
```

6. Bed size quantiles and their average prices

```
# A tibble: 2 × 2
  bed_1 avg_price
<dbl>   <dbl>
1     0   10614.
2     1    7520.
```

7. Calculating different estimators

```
NULL
```

NULL

<NA>

NA

<NA>

NA

- 8.
- 9.
- 10.