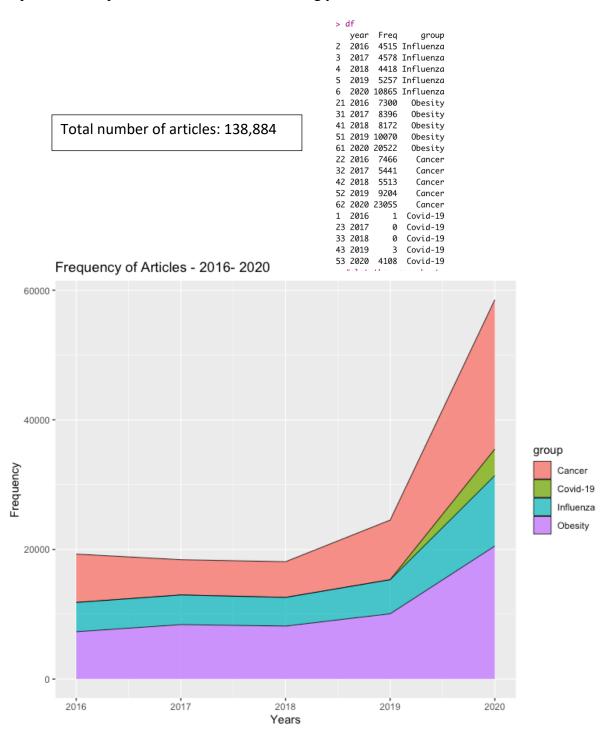
Homework 2 - Maryam Asghari

Downloading five years of scientific articles from PubMed dataset using EasyPubMed library.

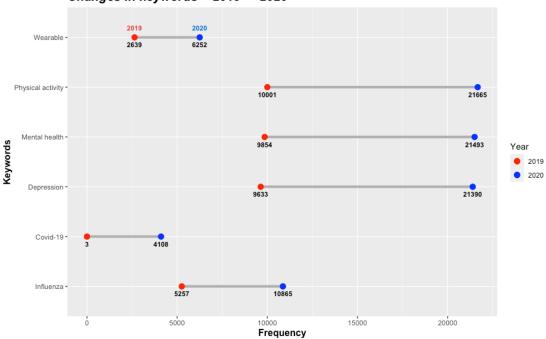
1. For each of the following terms: Influenza, Obesity, Cancer, Covid-19 create an area chart and compare their frequencies for each of the following years: 2016, 2017, 2018, 2019, 2020.



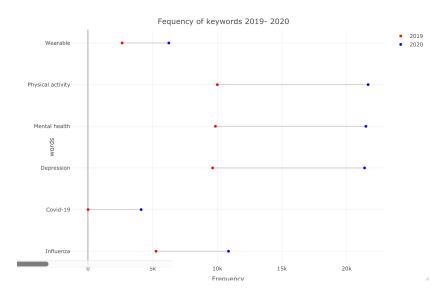
2. Please use a dumbbell-chart and report the changes in following keywords for 2020 and 2019: Influenza, Covid-19, Depression, Mental health, Physical activity, Wearable

```
> aata
> data
          aata.τrame( woras, τ_∠υιθ,
              words Y_2019 Y_2020
          Influenza
                      5257
                           10865
           Covid-19
                            4108
         Depression
                      9633 21390
                      9854
     Mental health
                           21493
5 Physical activity 10001
           Wearable
                     2639
```





Plotly: Please check out this in R



3. Get Covid-19 statistics from the city of Massachusetts: design a Choropleth map and visualize (number of confirmed cases) on the map of Boston or MA.

Confirmed Cases Reported =26,867

CATEGORY	NUMBER OF CONFIRMED CASES
County	
Barnstable	502
Berkshire	355
Bristol	1394
Dukes	12
Essex	3413
Franklin	148
Hampden	1694
Hampshire	224
Middlesex	5983
Nantucket	9
Norfolk	2838
Plymouth	2141
Suffolk	5579
Worcester	2128
Unknown	447

Massachusetts Covid Cases

