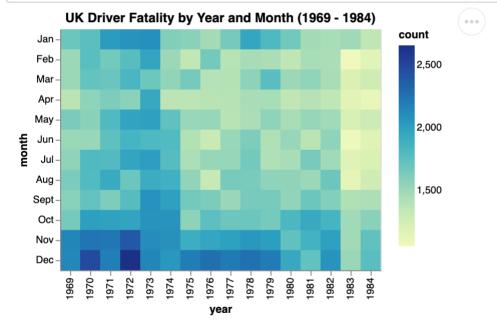
# **Assignment 3**

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```
In [1]: # import packages
        import pandas as pd
        import altair as alt
In [2]: # load data
        fatality = pd.read_csv('ukDriverFatalities.csv')
        fatality.head()
Out[2]:
           month year count
               0 1969
                       1687
         0
               1 1969
                       1508
         1
               2 1969
                       1507
               3 1969
                       1385
               4 1969
                       1632
```

## Q1. Heatmap





## Q2. Line Chart

```
In [4]: # line chart
        # manually adjust domain to make line chart a 45 degree tilt
        alt.Chart(fatality).mark line().encode(
            x=alt.X('year:0', axis=alt.Axis(labelAngle=0)),
            y=alt.Y('sum(count)',
                    title='fatality',
                    scale=alt.Scale(domain=(12000, 26000))),
            tooltip=['year:0', alt.Tooltip('sum(count)', title='fatality')]
        ).properties(
            title='UK Driver Death Toll by Year (1969 - 1984)',
            width=500
```

#### Out[4]:

### UK Driver Death Toll by Year (1969 - 1984)

