DA3: selecting columns

We are practicing selecting columns from our data and then creating new columns and then using them for plotting.

```
In []: import pandas as pd
    from plotnine import *
    infections = pd.read_csv("data/infections.csv")
    infections.columns
```

Scale the 'crp_level' column manually creating a new column

We use the .mean() and .std() methods to calculate mean & standard deviation for scaling.

```
In [ ]: infections['crp_scaled'] = (infections['crp_level'] - infections['crp_level'].mean()) / infections['crp_level'].std()
```

NB: In geom_jitter the width parameter controls the horizontal jitter. And in geom_hline we use yintercept to position the horizontal and the color and size parameters to set the style of the line.

mutate(infections, risk_factor = ifelse(vaccination_status == "unvaccinated" & icu_admission == TRUE, "high", NA))

```
In []: # to display in a nice table all entries including new column
from IPython.display import display

# Display DataFrame with all columns
display(infections)
```

```
In [ ]:
```