

Assignment 5

Assignment 1: Comparison of variance of consumption data in Norway and Denmark

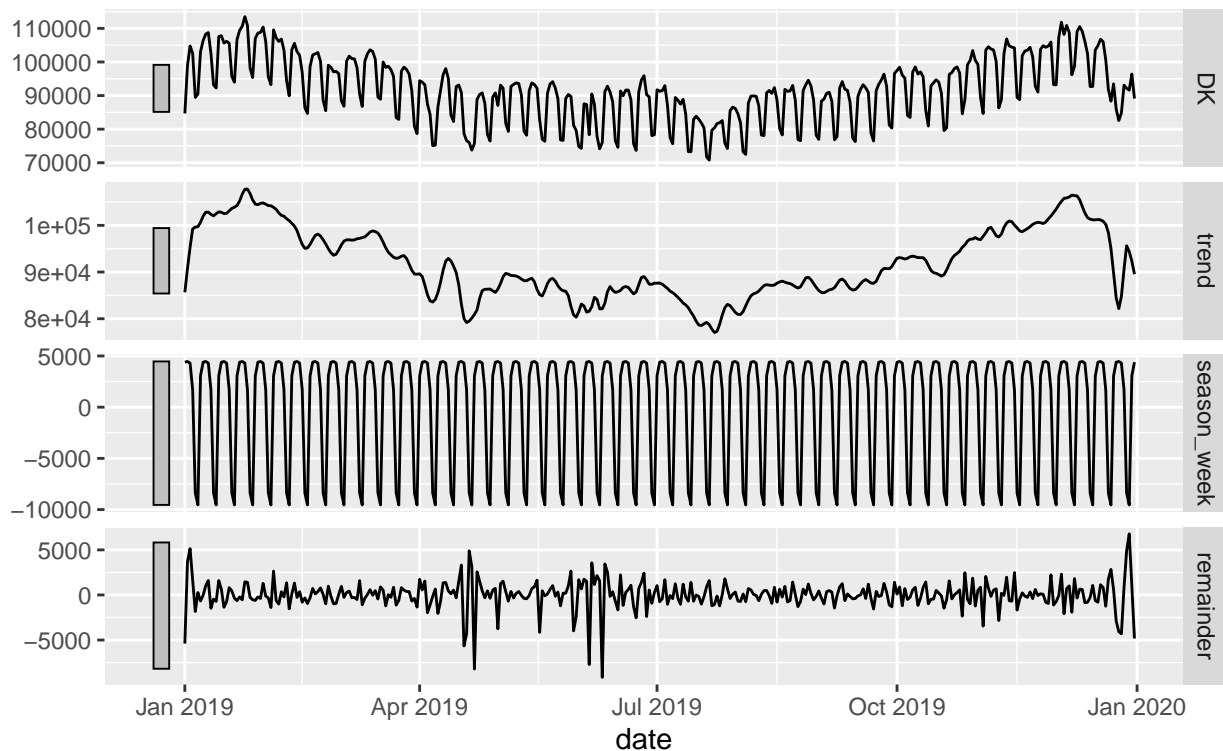
```
## Seasonal decompositon of Danish electricity consumption
```

```
cons_comp_dk = cons_ts %>% model(  
  STL(DK ~ trend(window=7) + season(window="periodic"))  
) %>% components
```

```
cons_comp_dk %>% autoplot()
```

STL decomposition

DK = trend + season_week + remainder



```
##Norwegian decomposition
```

```
cons_ts %>% autoplot(NO_sa)
```



```
forecast::ggtsdisplay(cons$DK, plot_type='partial',  
  lag.max = 24,  
  theme = theme_bw(),  
  main = "Norwegian ")
```

```
## Warning: Ignoring unknown parameters: plot_type
```

