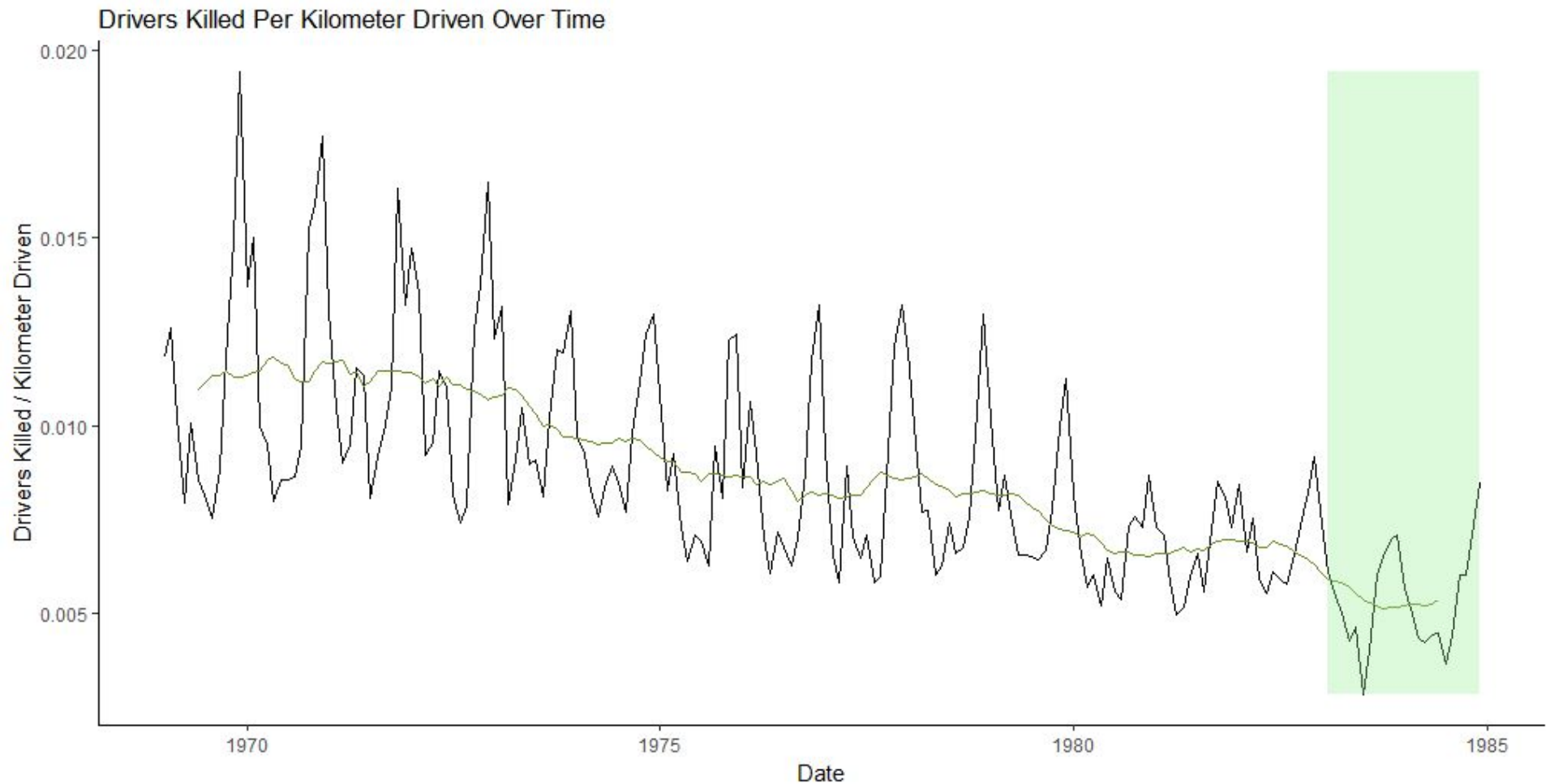


In this exercise we will be looking at the dataset `Seatbelts` that is included with R. It is a time series giving the monthly totals of car drivers in Great Britain killed or seriously injured Jan 1969 to Dec 1984.

- Drivers killed has been divided by kilometers driven that year to normalize the data for a clearer trend.
- We can see strong seasonal trends within the data.
- Drivers killed was on a downward trend prior to the seatbelt law. This could be due to other safety innovations in vehicles and infrastructure.
- The green block annotates whether there was a seatbelt law in effect that year. This started on 1/31/1983.



- In the horizon plot below we see monthly year over year percentage change of each variable. As we can see the first four variables are falling at a rather large rate.
- Year over year, kilometers driven rises throughout almost the entire dataset.
- Petrol prices have had sharp YOY spikes occasionally amid years of modest drops.
- Number of van drivers killed seems to be quite volatile - but with a mean of 9.05 per month percentages can look more alarming than they actually are.

YOY Difference of variables from Seatbelts

