**Introduction:**

In this section we have investigated the two accidents datasets (incident details & driver details) to investigate if there is any correlation between accident occurrences and the time of the day, the days of the week, the location on the road regards junctions and other road features and the gender of the driver. We have analysed data for England for the period from 2010 to 2016. To add context to this data we have also reviewed how traffic volumes have changed over the same period.

Age band vs accidents

**Are drivers of a particular age group more likely to have an accident?**

During the period from 2010 to 2016 the age group involved in most accidents was 25-35 year olds, unfortunately we don’t have data to show what proportion of driving is done by that age group compared to others so this limits the certainty of this conclusion. The severity of accidents is similar for most age groups although its does appear that in the Over 75 age group there is a higher proportion of ‘Slight’ accidents

Days of week vs accidents

**Are accidents more likely to happen on a particular day of the week?**

During the period from 2010 to 2016 within the working week the number of accidents gradually increases from Monday with a significant increase on a Friday. The number reduces on Saturday and again on Sunday. The severity of accidents remains similar on each day. This may simply be related to the volume of traffic on the roads.

Gender Vs Accidents (Pie Chart)

**Are men or women safer drivers?**

During the period from 2010 to 2016 men were named as driver in just over 60% of accidents whilst women were named as driver in 36%, we are unable to draw a firm conclusion without knowing how traffic volume is split between gender, but I think that it is reasonable to suggest that women are safer drivers.

Location on road vs accidents

**Where do the most serious accidents happen?**

During the period from 2010 to 2016 there was significantly more accidents where there is no junction within 20 meters, these accidents are more serious and unfortunately more are fatal. This may be due to the higher speed that vehicles travel on the ‘open road’. It is significant that many accidents happen when approaching or navigating a junction or roundabout whereas ‘slip road’s’ appear to be safer.

Year vs accidents

**Are the roads in England more dangerous in 2016 than they were in 2010?**

Overall accidents increased from 2010 to 2016, although during 2012 and 2013 they decreased they reversed that positive trend in 2014. In 2016 there was a disproportionate increase in fatal and serious accidents. I conclude from that that roads in England were more dangerous in 2016 than they were in 2010.