Goal - From this open-source data set containing road traffic accidents recorded in the UK during 2015 we want to analyse and visualise **which weather condition is relatively more dangerous than others.** Although you might already know the answers from working with this data in excel, we want to see you arrive at a visual of the same data in PowerBI.

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| --- | --- |
| Data Sources you will use | How they connect |
| **Accidents\_2015.csv**  **Accident\_Severity.csv**  **Accident\_Weather.csv** | In the Accidents\_2015.csv there are two fields which denote a connection to the outer tables. This should be a many to 1 relationship in both cases. |

## Suggested Steps

* 1. Launch a new powerbi workbook
  2. Connect to the 3 data sources separately as text/csv sources and use the Model View to ensure the correct relationships have been either detected or manually set up between the tables by selecting the columns, cardinality of each relationship
  3. In report view, create a new tab/worksheet named ‘Weather’.
  4. Drag a 100% Stacked column chart visual type into the sheet, filling the maximum space available.
  5. Drag Count of Accident Index into the Y-Axis placeholder
  6. Drag the Weather label into the X-Axis placeholder
  7. Use Accident Severity label on the legend to split the bars by colour
  8. Complete the chart by adding a suitable title for your chart
  9. *Optional* – modify the colours of the chart and any other formatting options
  10. Save the powerbi workbook

Chart, bar chart

Description automatically generated