SSAS Tabular Modeling Chapter 9 Code

=COUNT([CASENUMBER])

Sum of FATALITIES:=SUM([FATALITIES]) to

Total Fatalities:=SUM([FATALITIES])

Total\_NonFatal\_Crashes:=([Count\_of\_Crashes] – [Total Fatalities])

=YEAR(CRASH\_DATA\_T[CRASH\_DATE])

=IF( [FATALITIES]>=1, "Was Fatal", "Non Fatal")

=IF( And ( [FATALITIES]>=1, [VEHICLES]=1), "Single Vehicle Fatality", "Multiple Vehicle Fatality" )

=SWITCH([PAVED], 1, "Paved", 2, "Unpaved", 99, "Unknown")

=CONCATENATE("Total Property Damage  $" ,[PROPDMG])

Fatalities\_Label:=CONCATENATE(“Total Fatalities= “, CRASH\_DATA\_T[Nof\_Fatalities])

=LEFT([Manner\_of\_Crash])

=LEFT(

[Manner\_of\_Crash],

IFERROR(FIND(“,”,[Manner\_of\_Crash],1,20)-1,0)

)

=RELATED(LIGHT\_T[LIGHT\_CONDITION])

=COUNTROWS( RELATEDTABLE (CRASH\_DATA\_T) )

EVALUATE

‘WEATHER\_T’

ORDER BY ‘WEATHER’.[WEATHER] DESC

Total\_Fatalities\_GT2\_MajorInjuries := SUMX(

FILTER(CRASH\_DATA\_T, CRASH\_DATA\_T[MAJINJURY]>2), CRASH\_DATA\_T[FATALITIES]

)

Fatal\_Crashes:=SUMX(

FILTER(CRASH\_DATA\_T, RELATED(Crash\_Severity[Severity\_Descr])=”fatal”),

CRASH\_DATA\_T[INJURIES])

Crashes\_Reported:=

CALCULATE(

COUNT(CRASH\_DATA\_T[CASENUMBER]),

ALL(CRASH\_DATA\_T) )

Pct\_of\_Crashes:=

COUNT(CRASH\_DATA\_T[CASENUMBER])/

CALCULATE (

COUNT(CRASH\_DATA\_T[CASENUMBER]),

ALL(CRASH\_DATA\_T) )

EVALUATE

SUMMARIZE (

 CRASH\_DATA\_T

,WEATHER\_T[WEATHER\_CONDITION]

,”Total Fatalities”, SUM(‘CRASH\_DATA\_T’.[FATALITIES])

)

EVALUATE

SUMMARIZE (

 CRASH\_DATA\_T

,Manner\_of\_Crash[Manner\_Group]

,WEATHER\_T[WEATHER\_CONDITION]

,”Total Fatalities”

, SUM(‘CRASH\_DATA\_T’.[FATALITIES])

)

EVALUATE

SUMMARIZE (

CRASH\_DATA\_T,

ROLLUP (Manner\_of\_Crash[Manner\_Group]

,WEATHER\_T[WEATHER\_CONDITION])

,”Total Fatalities”

, SUM(‘CRASH\_DATA\_T’.[FATALITIES])

)