



Sri Lanka Institute of Information Technology

Assignment 2 - Report

Data Warehousing & Business Intelligence (IT 3021)

2021

Submitted by: Jaanvi.S.C.H (IT19801100)

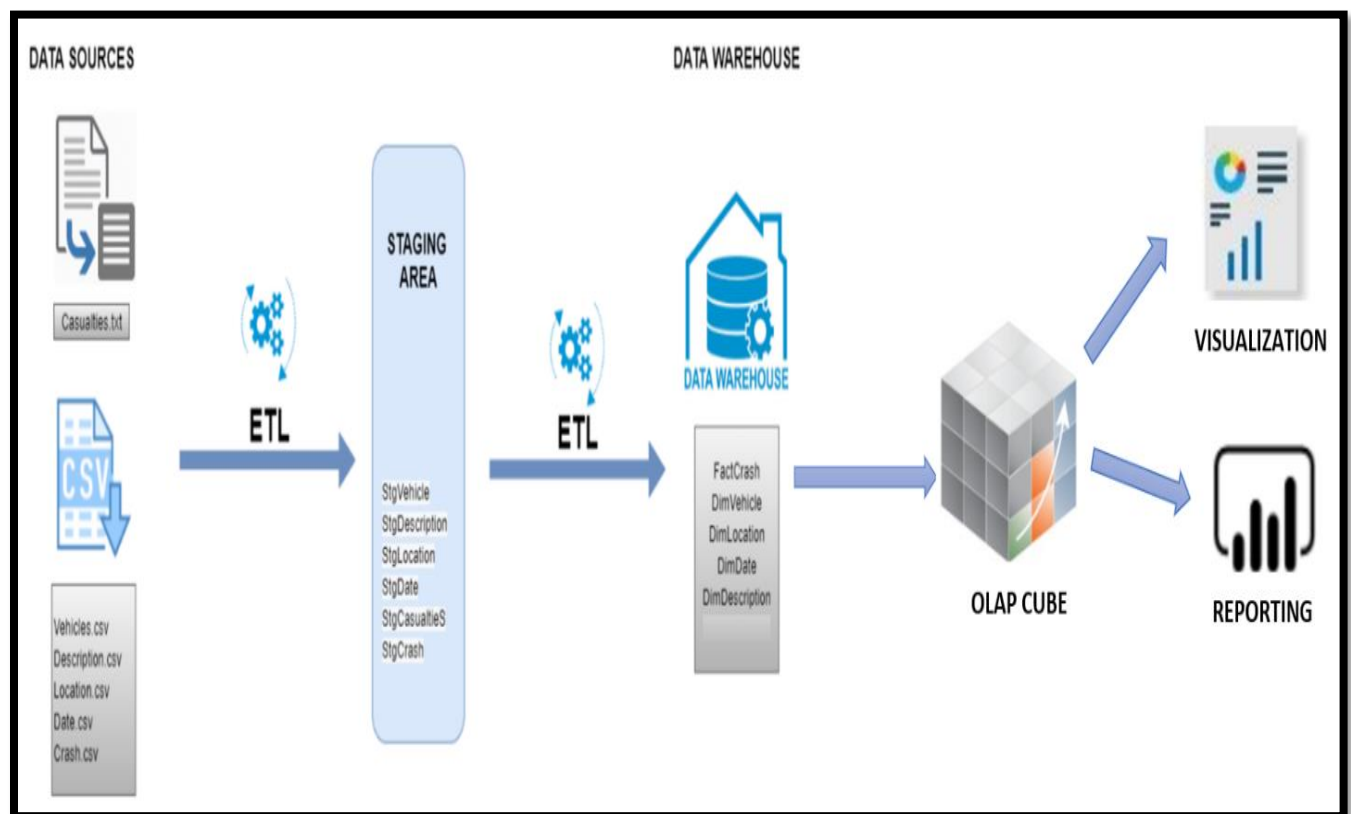
Submitted on: 25/06/2021

Step 1: Data source for the assignment 2

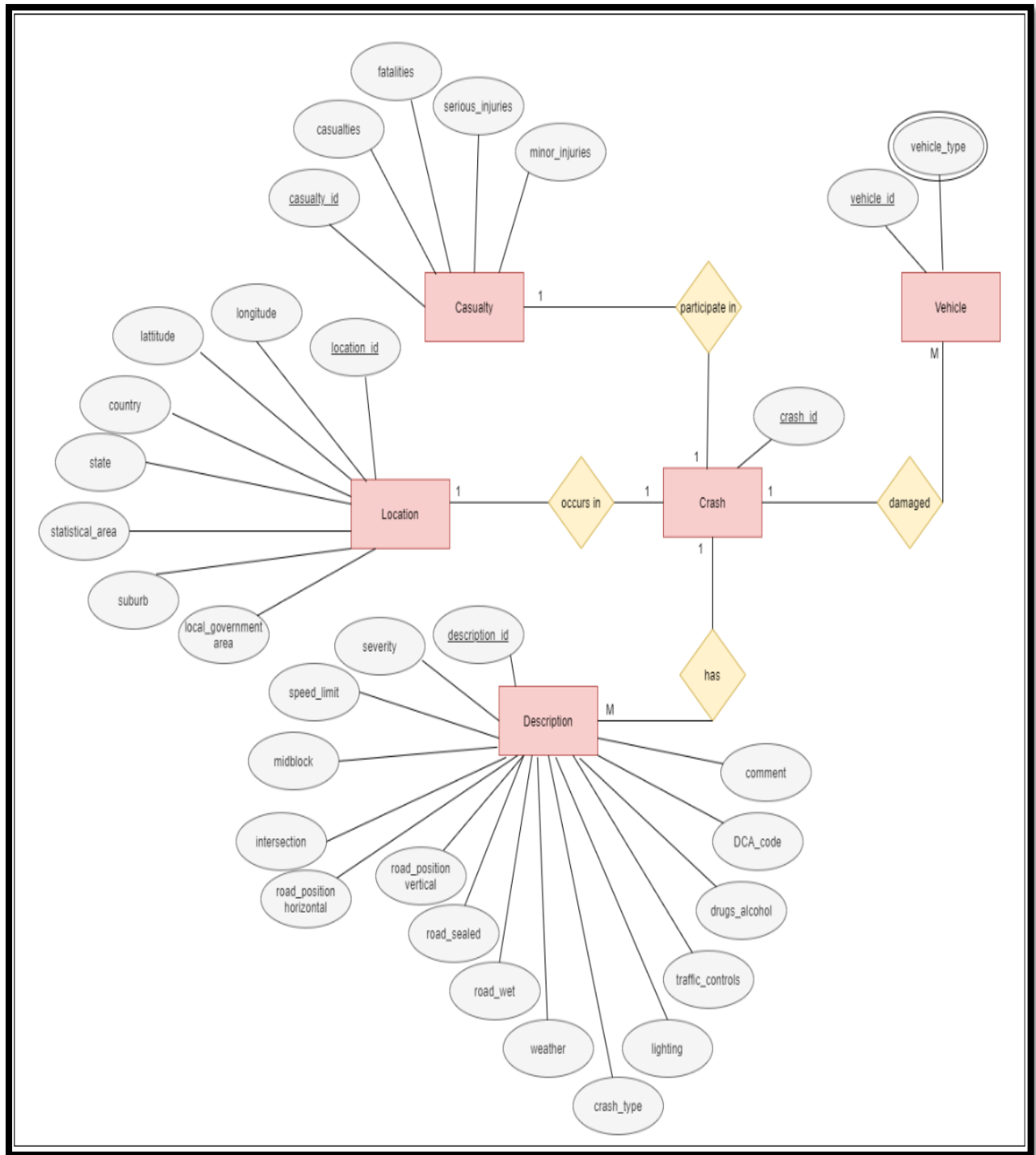
DATA SOURCE

Australia & New Zealand Road Crash Dataset is a dataset based on where , on what conditions accidents occur and data on casualties who were victims in the accidents. This dataset contains 6 CSV tables where I converted the Casualties csv file to a text file in order to extract data from multiple sources in staging level. In staging level, when extracting data to Data Warehouse from SSIS, I used derived columns to replace Null values with N

ARCHITECTURAL DIAGRAM

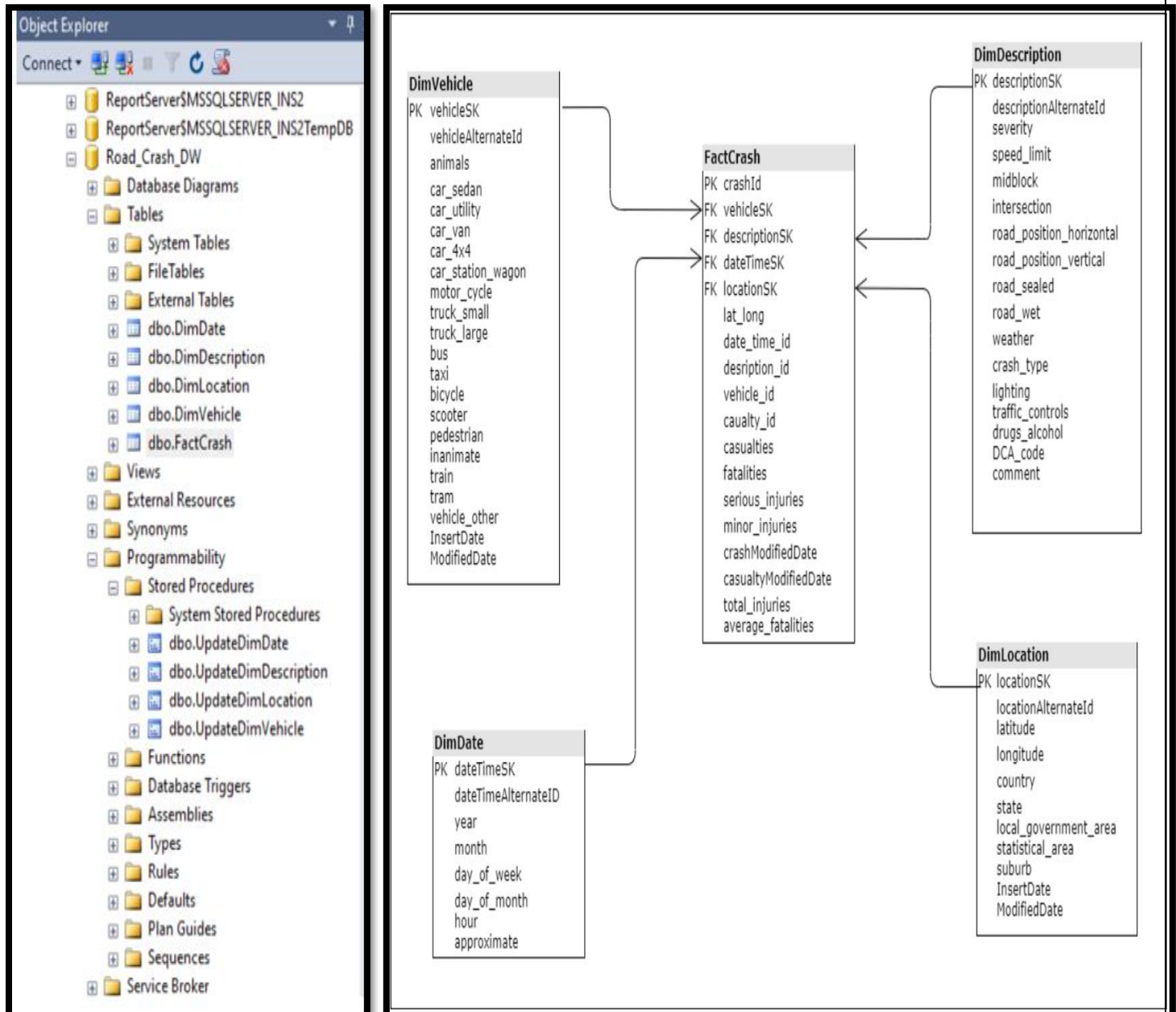


ER DIAGRAM



DATA WAREHOUSE

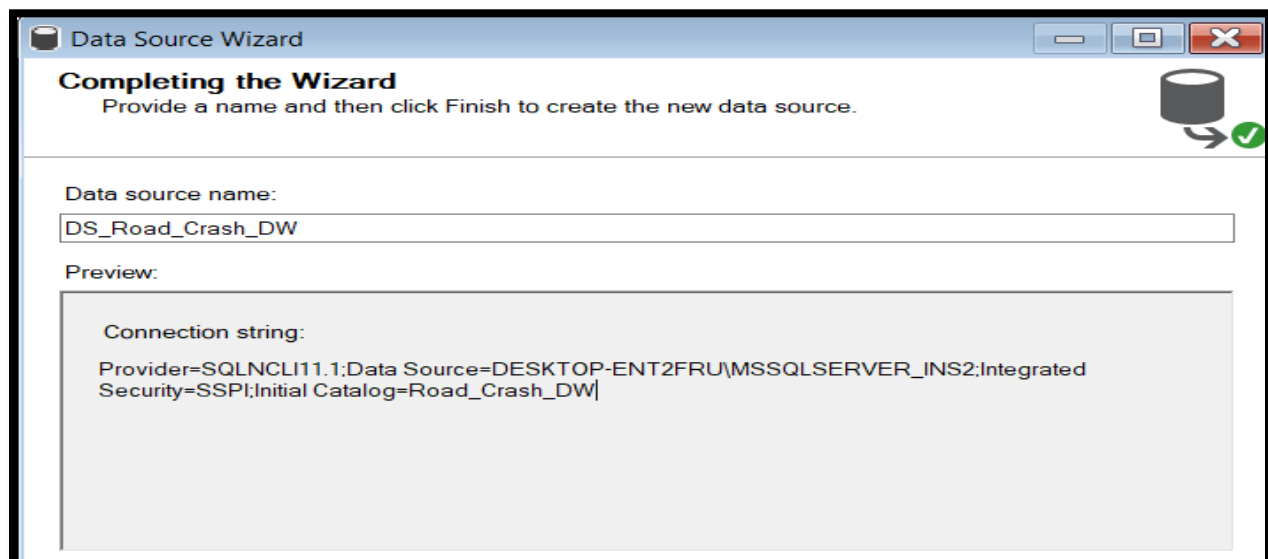
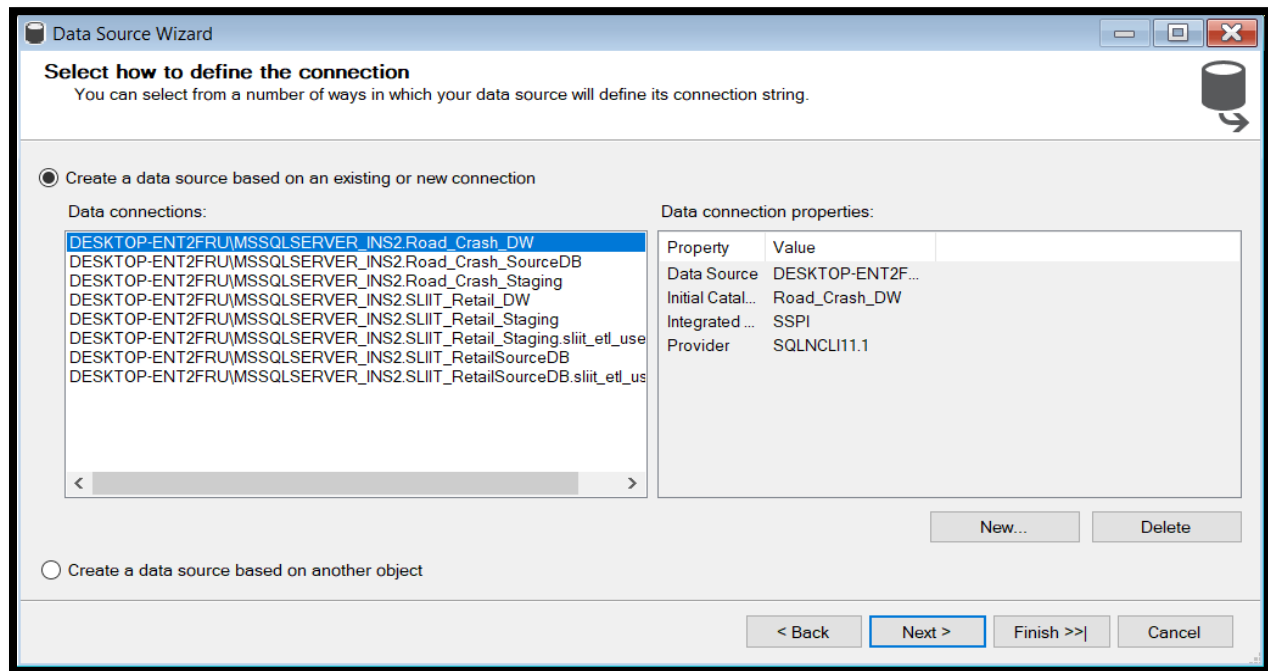
After extracting data to Staging area and then in data warehouse, I have implemented a star schema where fact table is the FactCrash and the DimensionTables are DimVehicle, DimLocation, DimDescription, DimDate where DimDescription was considered a slowly changing dimension . Implemented up to the data warehouse in Assignment 1 as follows.



Step 2: SSAS Cube implementation

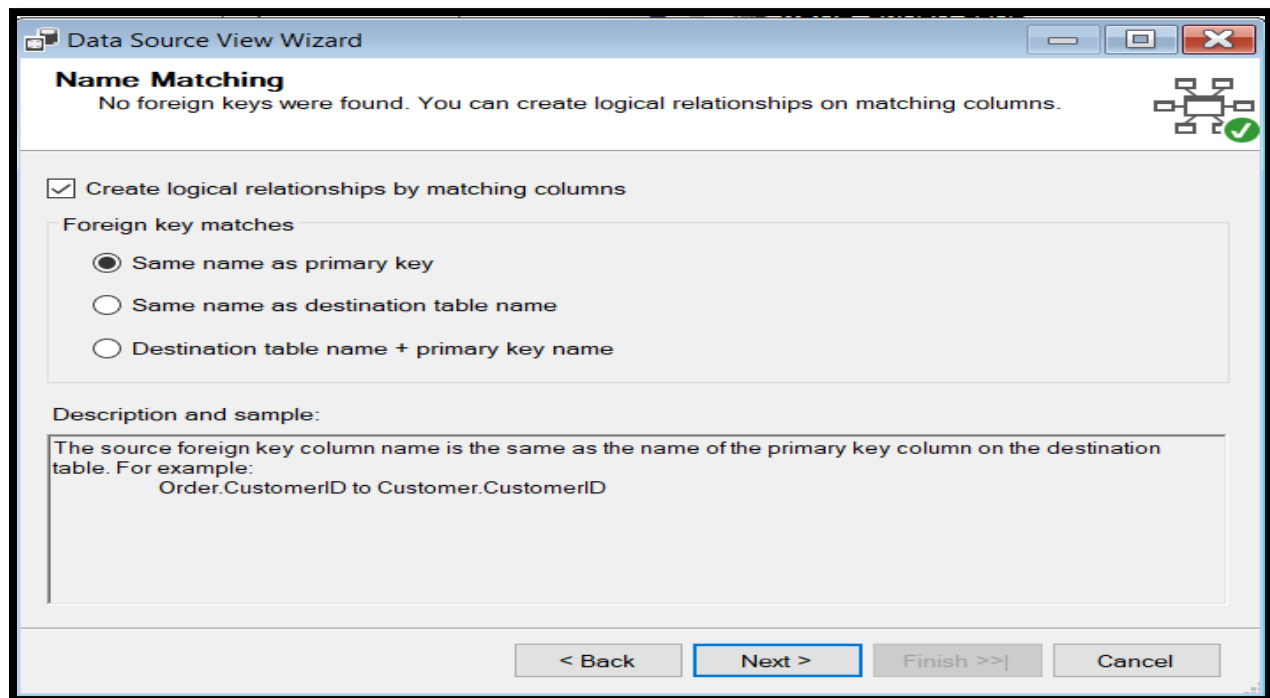
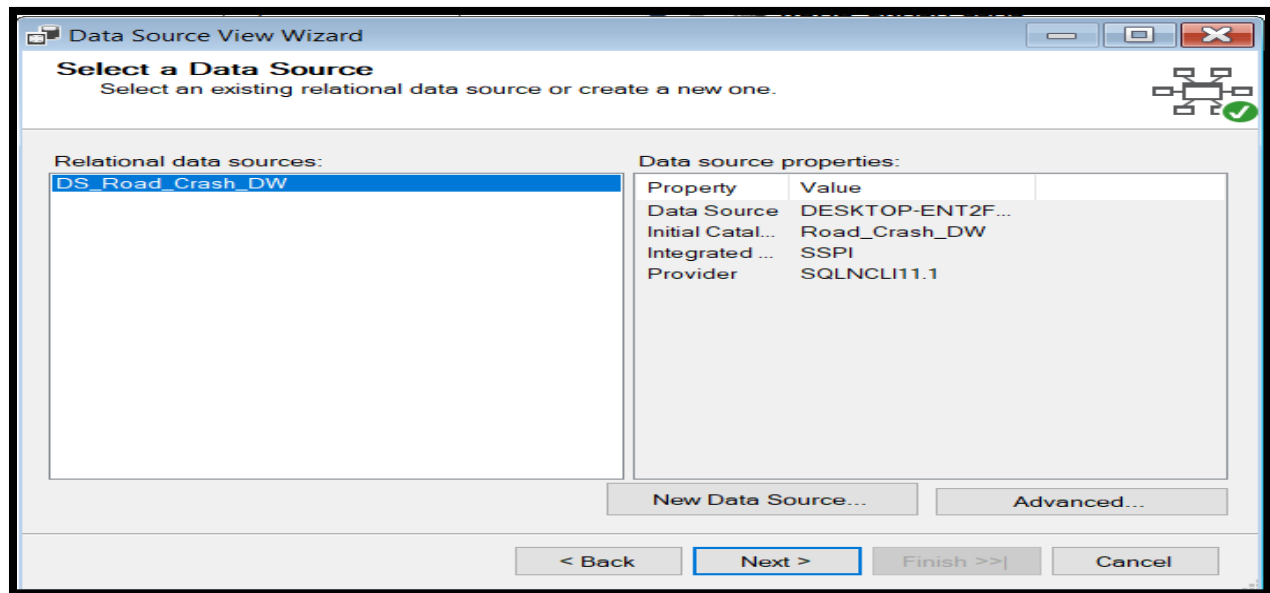
DATA SOURCE

Using the connection to data warehouse, and providing the windows credentials in the Impersonation Information, I created a data source named “DS_Road_Crash_DW”

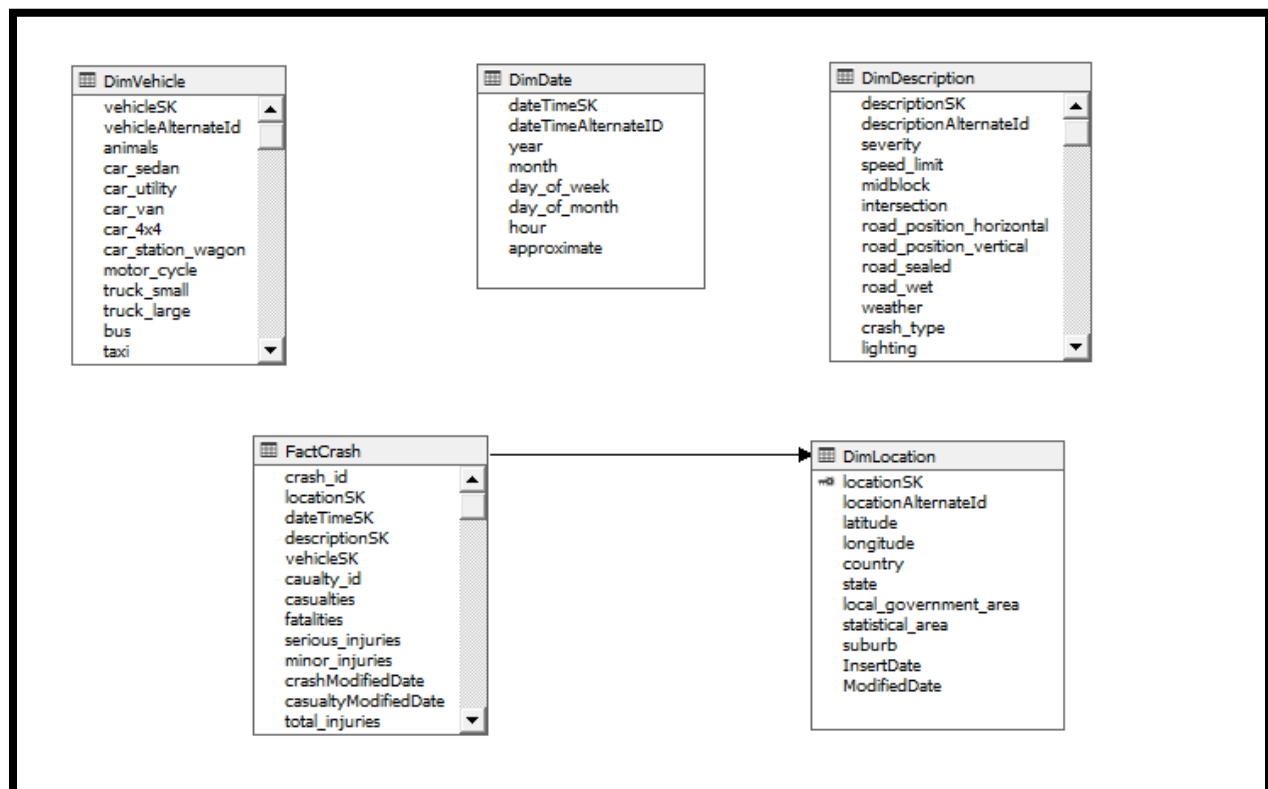
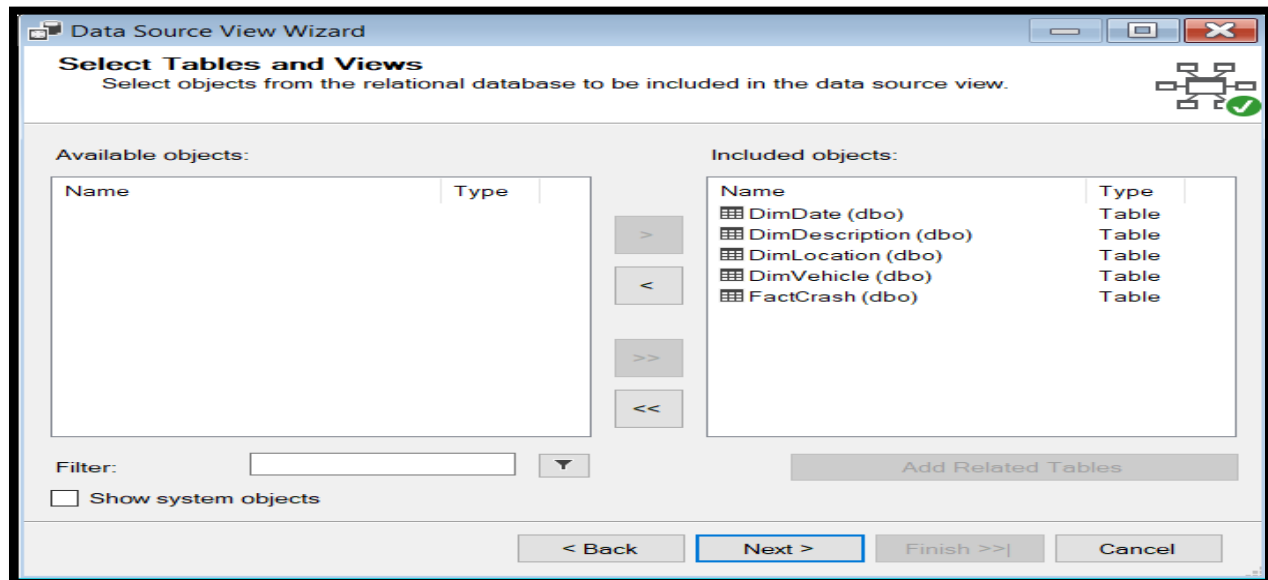


DATA SOURCE VIEW

I created a Data Source View named “DSV_Road_Crash_DW” as follows.



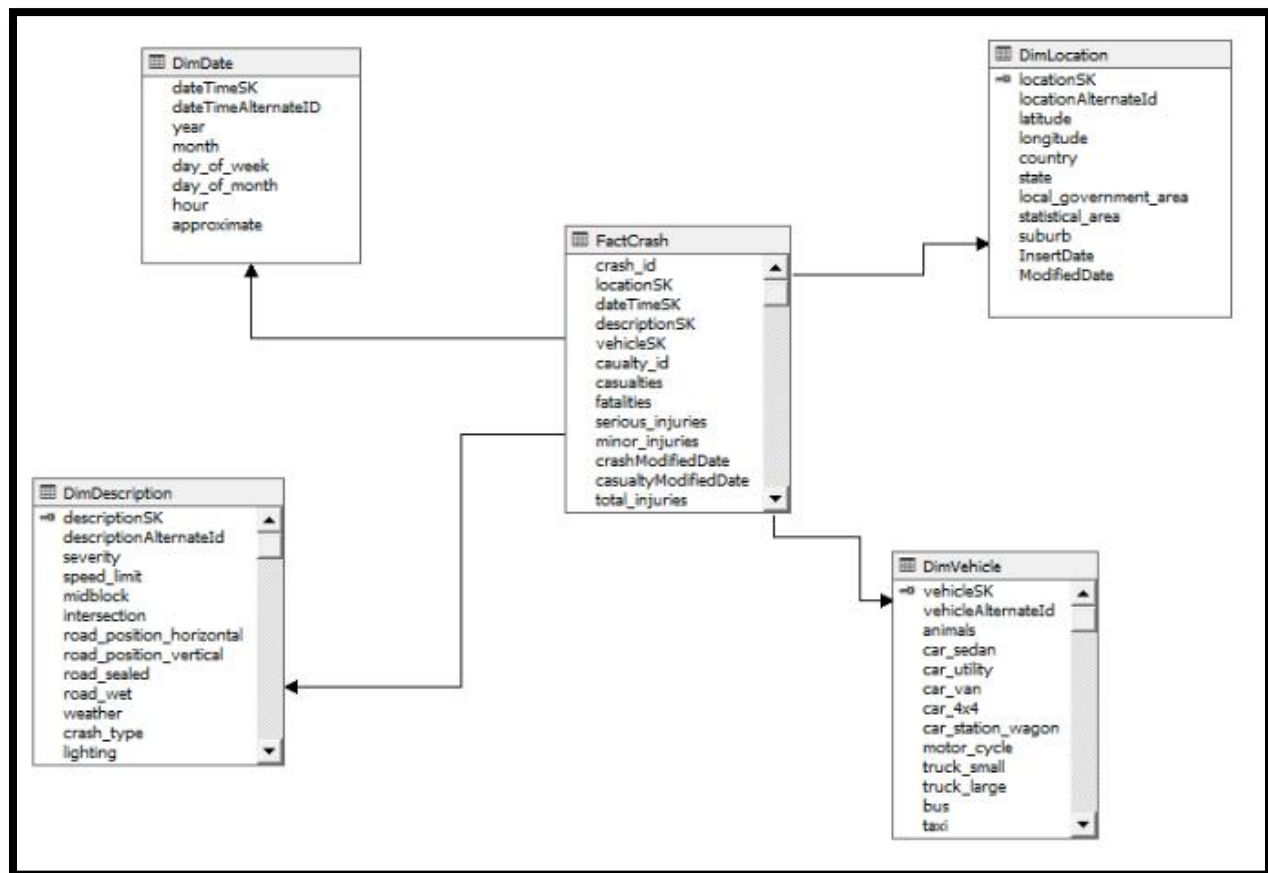
Here I manually moved the table to included objects except for DimLocation as primary key field and fact table's foreign key columns were not having the same name in other Dimensions.



Then I established the link between dimension by mapping the relevant keys as follows

The 'Specify Relationship' dialog box is shown with the following details:

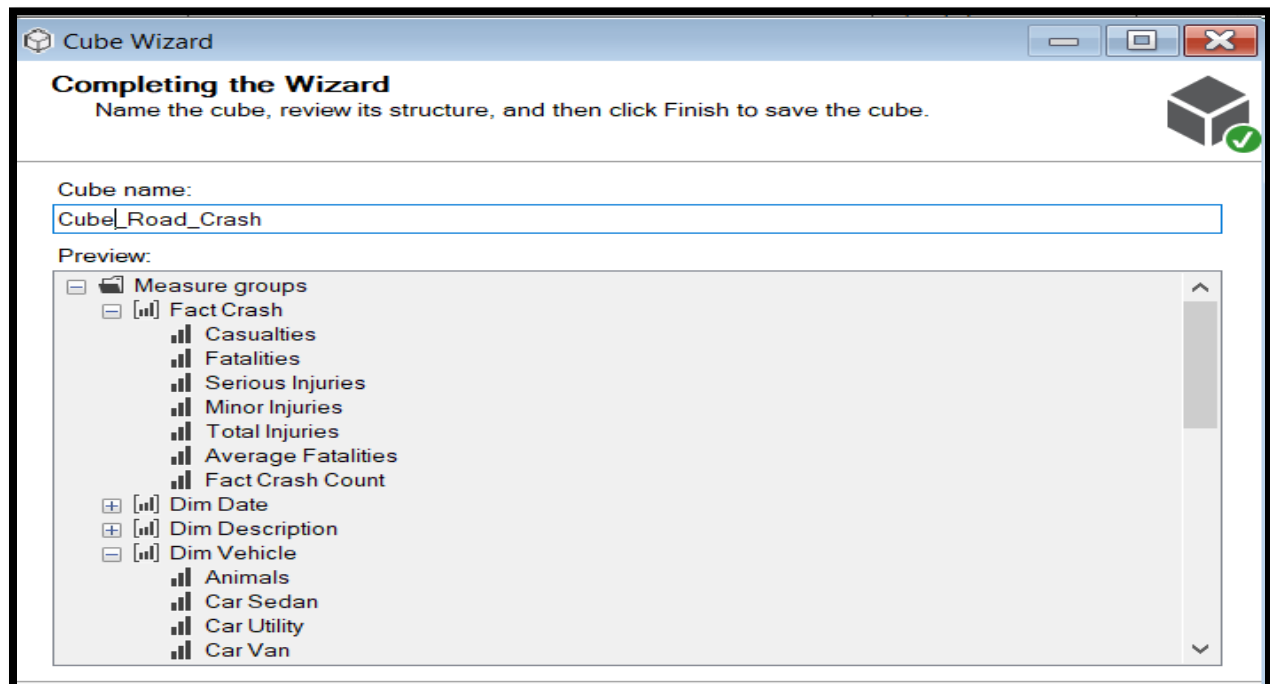
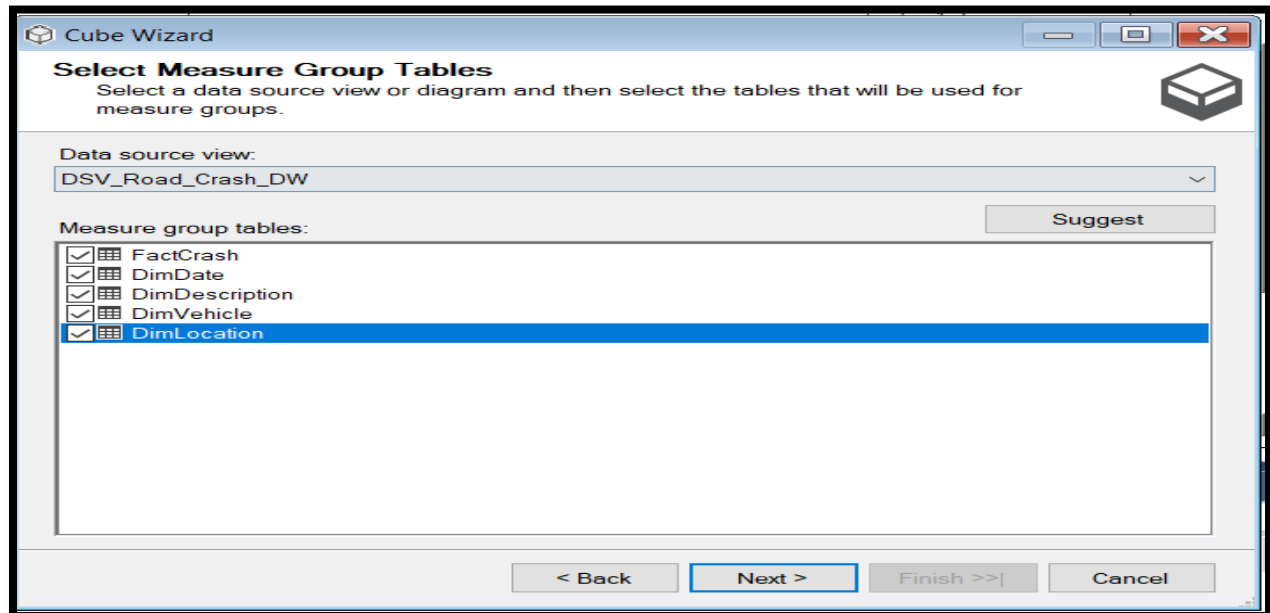
- Source (foreign key) table:** FactCrash
- Destination (primary key) table:** DimDescription
- Source Columns:** descriptionSK
- Destination Columns:** descriptionSK
- Description:** (empty text field)
- Buttons:** OK, Cancel, Help, and a Reverse button.

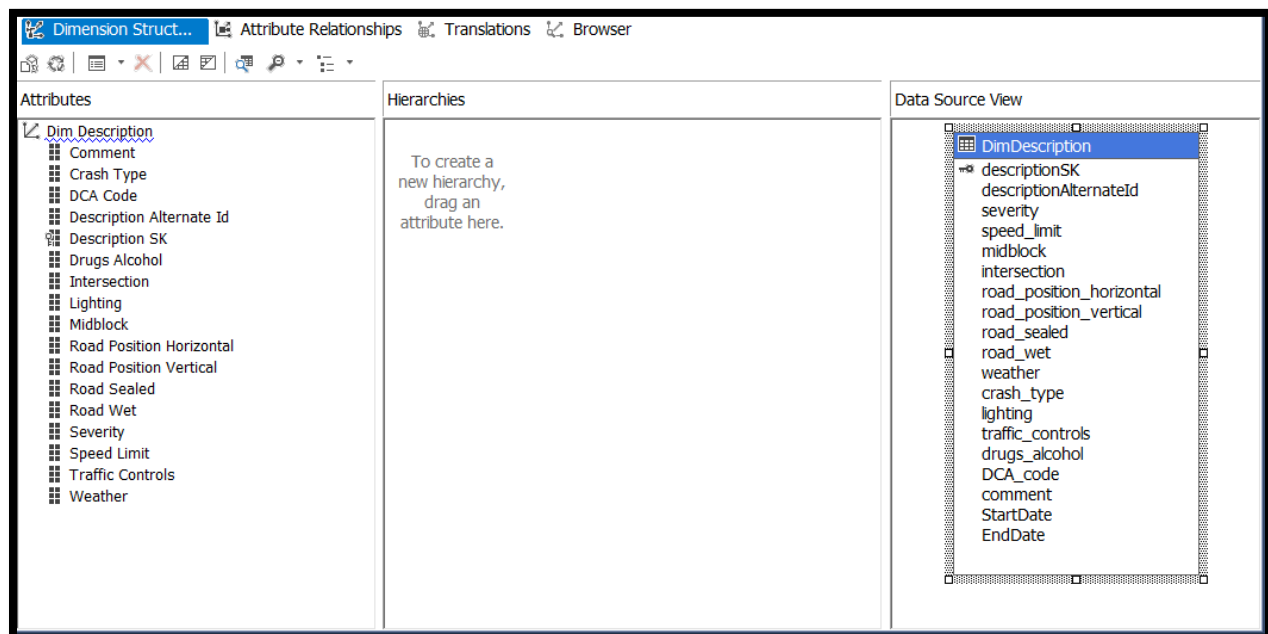
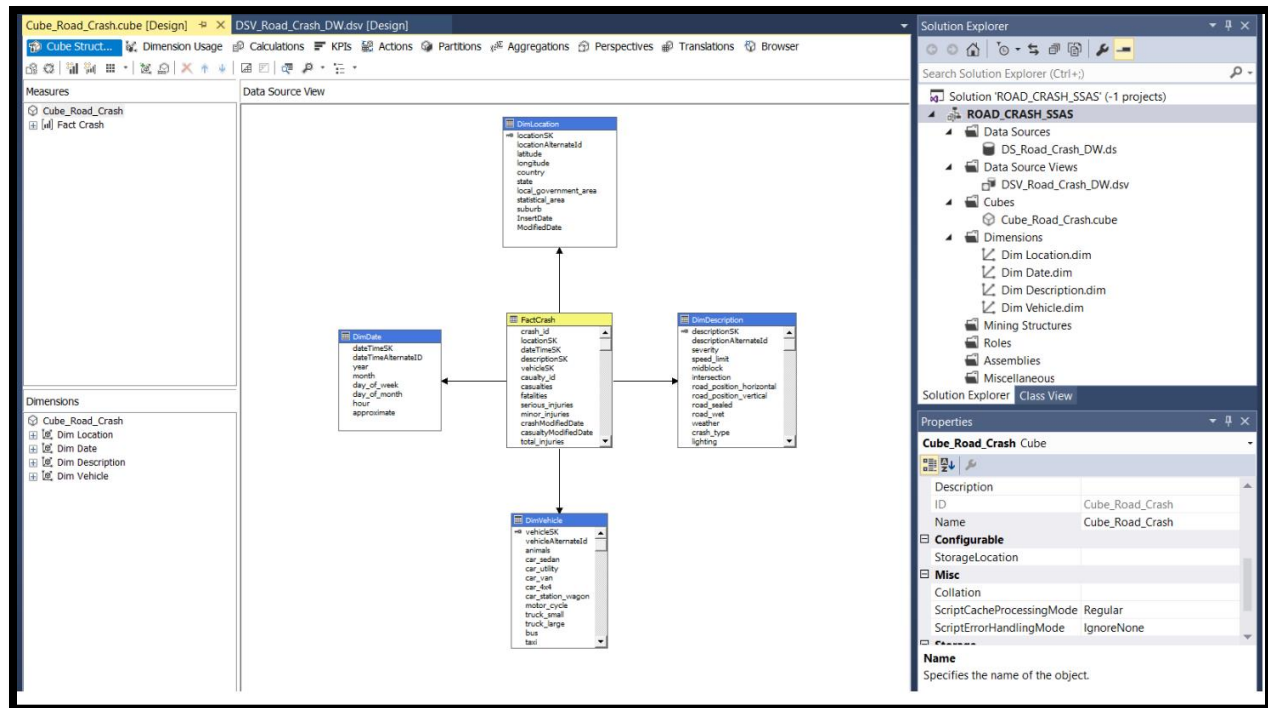


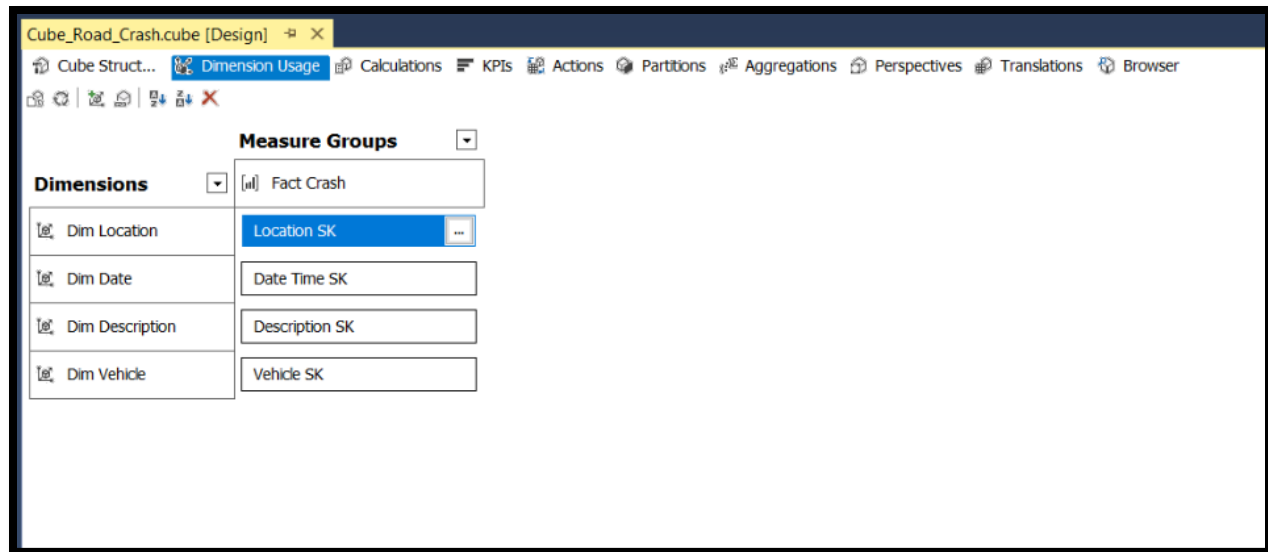
CUBE CREATION

The data source view created the relevant tables . I used the existing data source to create the Cube.

From the “Cube wizard”,I selected all the measures from the “FactSales” fact table which is needed to include in the cube and select all the other dimensions and created a cube named “Cube_Road_Crash”.

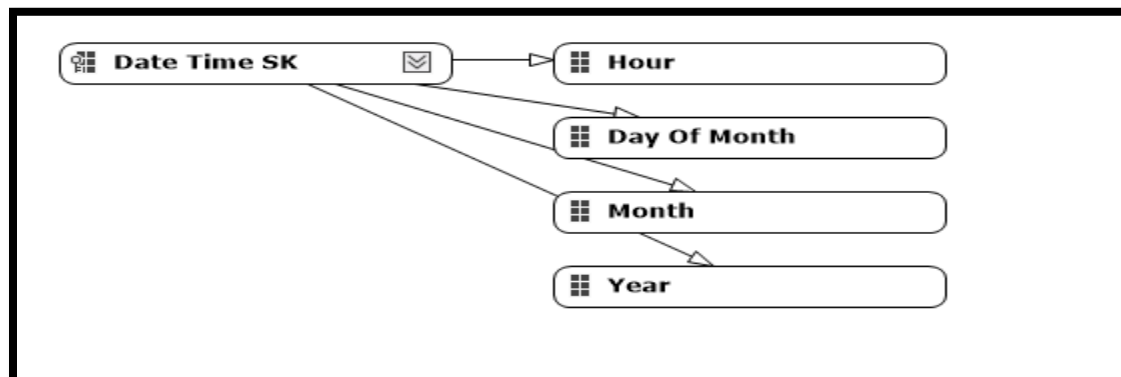
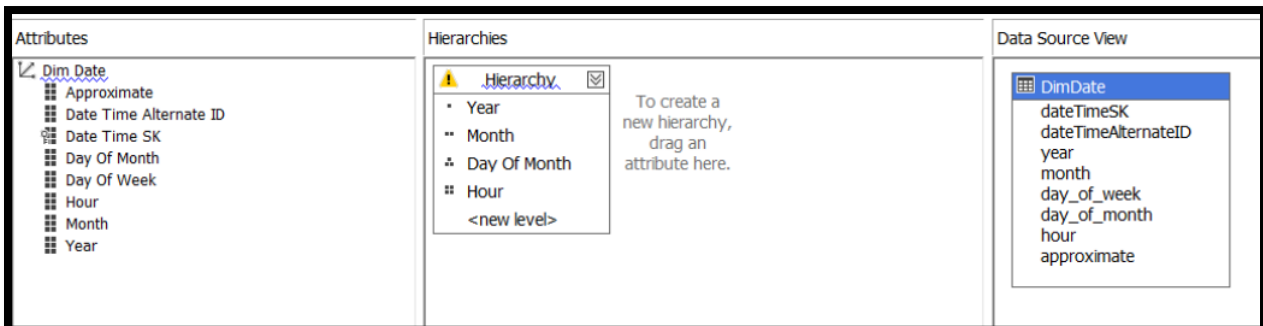




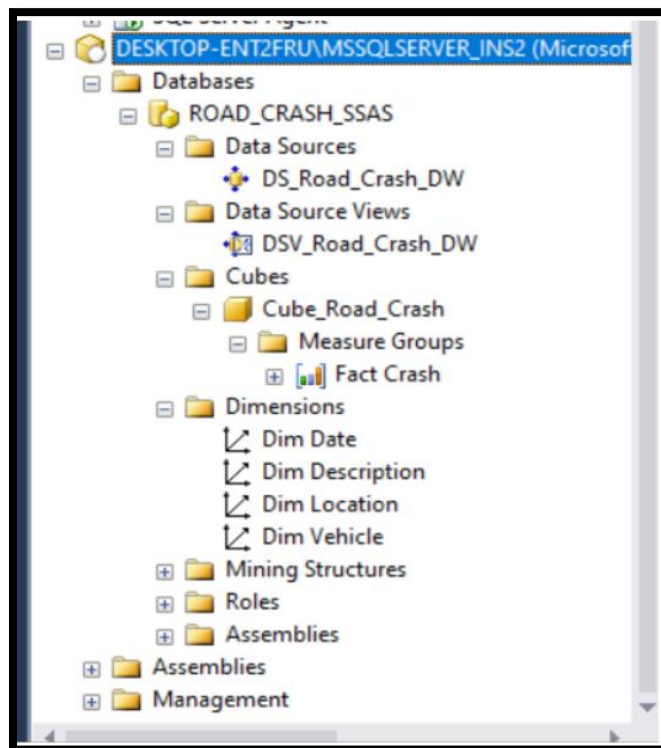
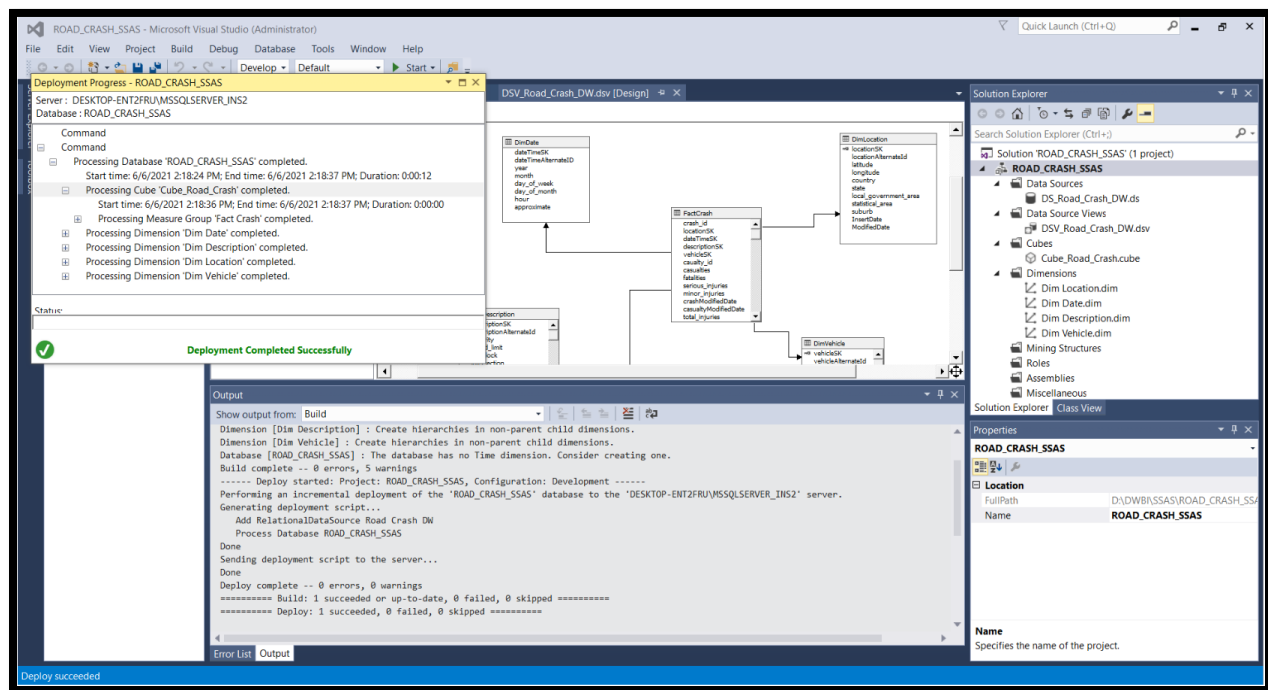


HIERARCHY

I Implemented a hierarchy to the DimDate as follows.

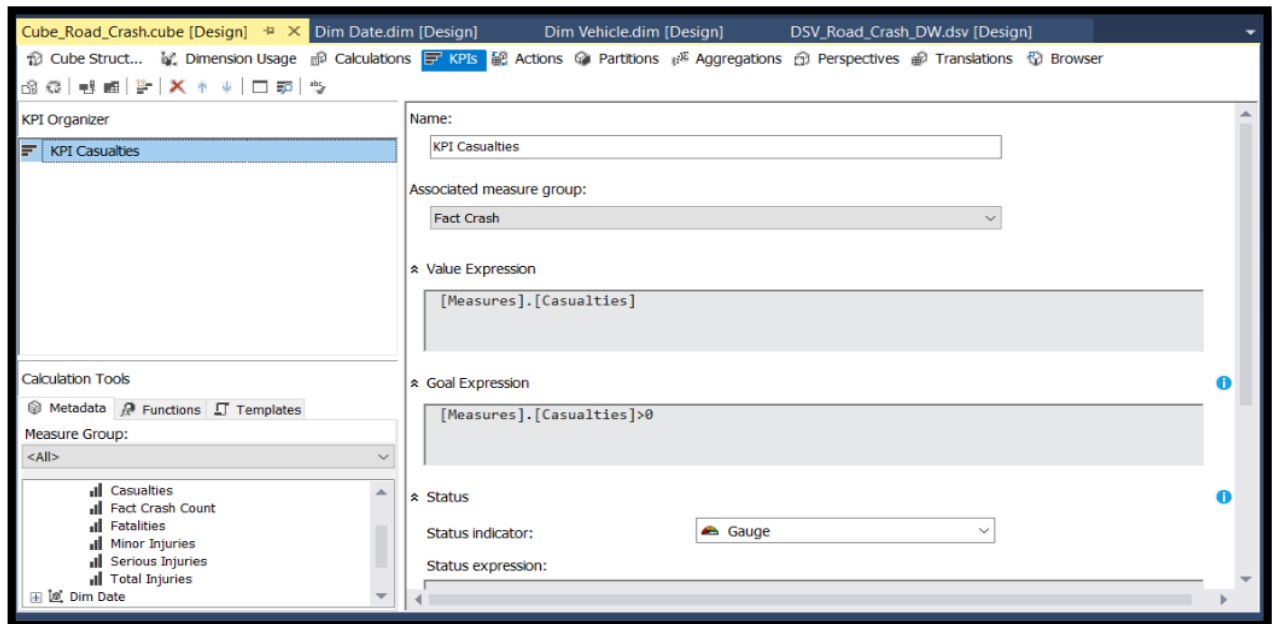


Successfully deployed the Cube

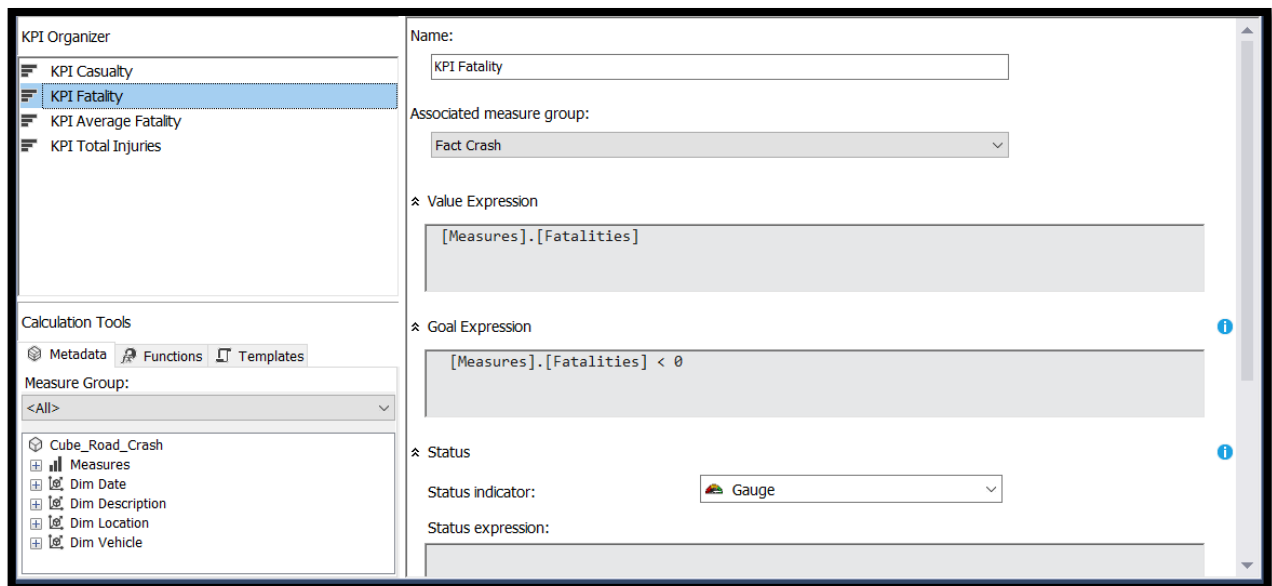


CREATING KPI

(i) I created a KPI to measure the count of casualties. If casualty count is greater than 0, then it is success else fail.



(ii) I created a KPI to measure the count of fatalities. If casualty count is less than 0, then it is success else fail.



(iii) I created a KPI to measure the average fatalities. If casualty count is greater than 0.5, then it is success else fail.

The screenshot shows the 'KPI Organizer' on the left with a tree view containing 'KPI Casualty', 'KPI Fatality', 'KPI Average Fatality' (selected), and 'KPI Total Injuries'. Below the tree is the 'Calculation Tools' section with tabs for 'Metadata', 'Functions', and 'Templates', and a 'Measure Group' dropdown set to '<All>'. The main configuration area on the right has the following fields:

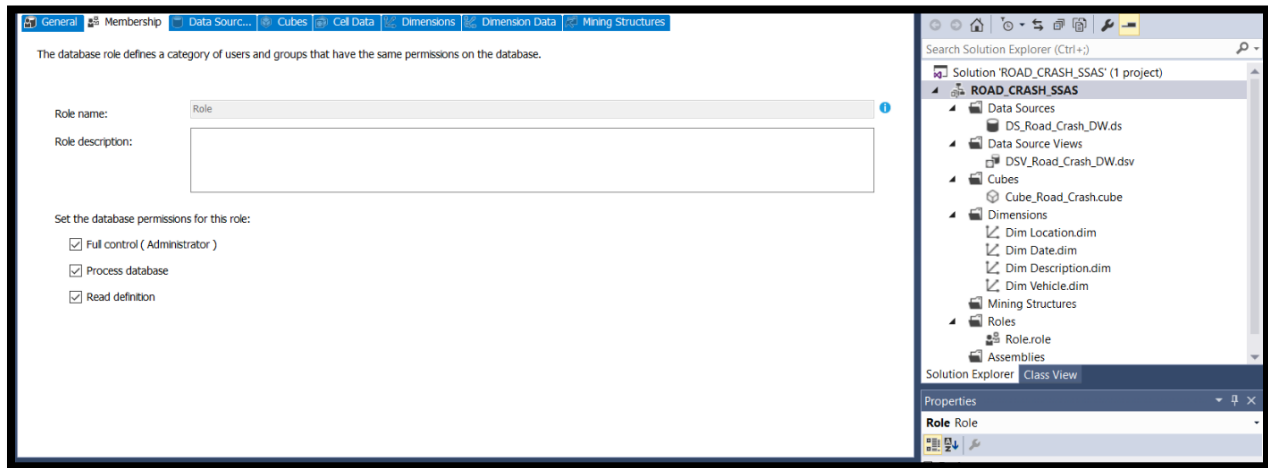
- Name:** KPI Average Fatality
- Associated measure group:** Fact Crash
- Value Expression:** [Measures].[Average Fatalities]
- Goal Expression:** [Measures].[Average Fatalities] > 0.5

(iv) I created a KPI to measure the total injuries. If casualty count is greater than 5, then it is success else fail.

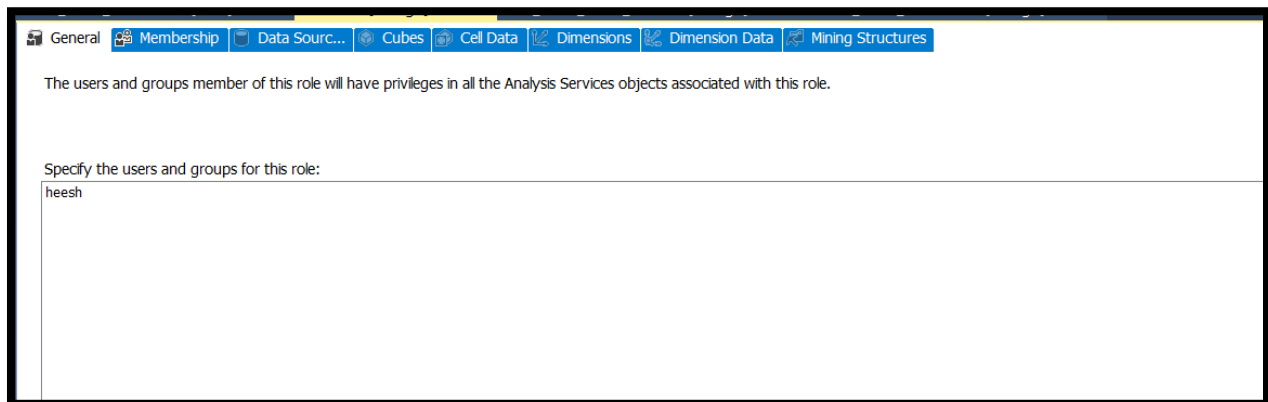
The screenshot shows the 'KPI Organizer' on the left with a tree view containing 'KPI Casualty', 'KPI Fatality', 'KPI Average Fatality', and 'KPI Total Injuries' (selected). Below the tree is the 'Calculation Tools' section with tabs for 'Metadata', 'Functions', and 'Templates', and a 'Measure Group' dropdown set to '<All>'. The main configuration area on the right has the following fields:

- Name:** KPI Total Injuries
- Associated measure group:** Fact Crash
- Value Expression:** [Measures].[Total Injuries]
- Goal Expression:** [Measures].[Total Injuries] > 5

I created a role with full control

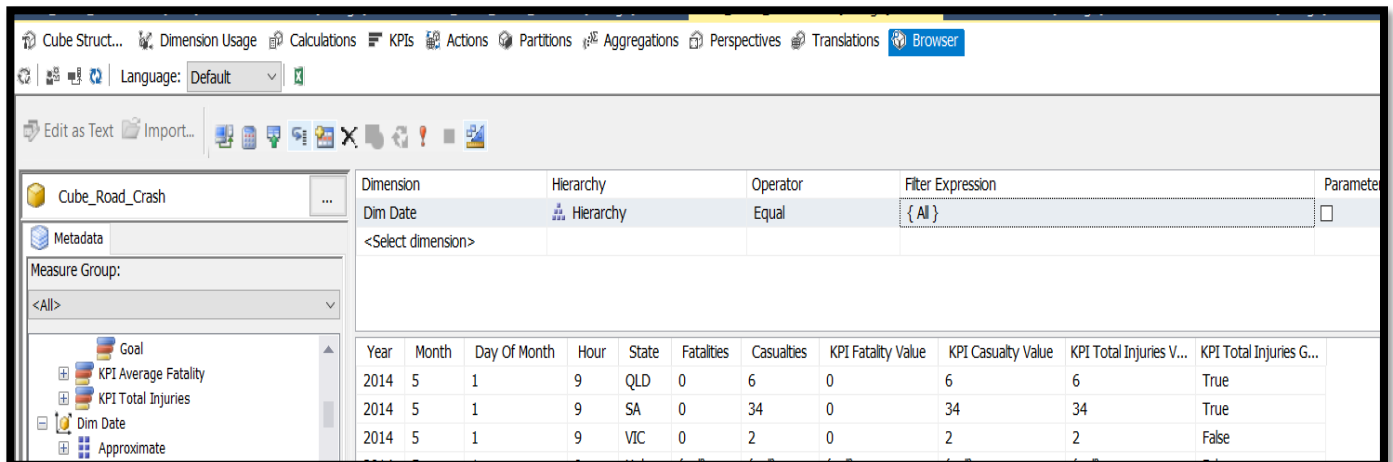


Specified "heesh" as the user and added

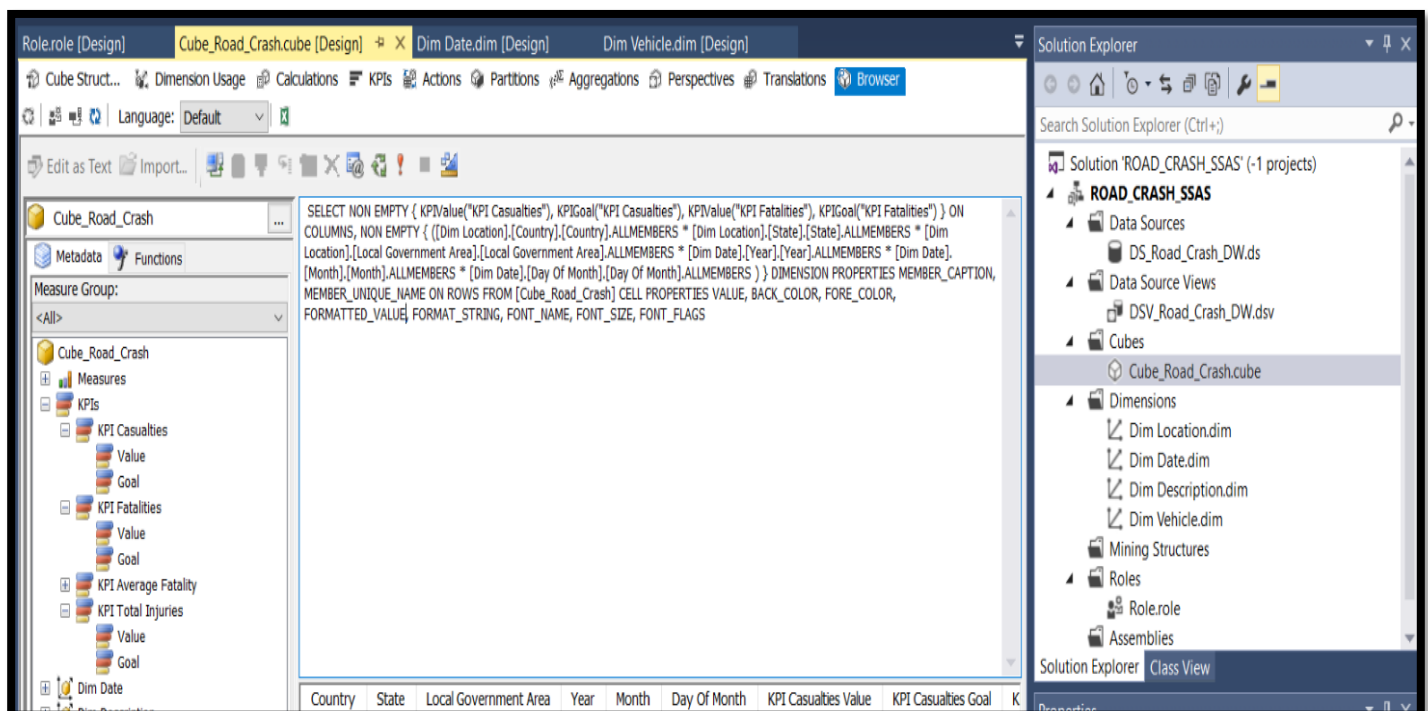


Step 3: Demonstration of OLAP operation

From cube browser I selected the following field to create the MDX query. a) Date hierarchy from DimDate b) Fatality and Casualty from the Measures c) State from DimLocation d) KPI Fatalities and KPI Casualties Goal . Then added filtering.



Year	Month	Day Of Month	Hour	State	Fatalities	Casualties	KPI Fatality Value	KPI Casualty Value	KPI Total Injuries V...	KPI Total Injuries G...
2014	5	1	9	QLD	0	6	0	6	6	True
2014	5	1	9	SA	0	34	0	34	34	True
2014	5	1	9	VIC	0	2	0	2	2	False



```

SELECT NON EMPTY { KPIValue("KPI Casualties"), KPIGoal("KPI Casualties"), KPIValue("KPI Fatalities"), KPIGoal("KPI Fatalities") } ON
COLUMNS, NON EMPTY { ([Dim Location].[Country].[Country].ALLMEMBERS * [Dim Location].[State].[State].ALLMEMBERS * [Dim
Location].[Local Government Area].[Local Government Area].ALLMEMBERS * [Dim Date].[Year].[Year].ALLMEMBERS * [Dim Date].
[Month].[Month].ALLMEMBERS * [Dim Date].[Day Of Month].[Day Of Month].ALLMEMBERS ) } DIMENSION PROPERTIES MEMBER_CAPTION,
MEMBER_UNIQUE_NAME ON ROWS FROM [Cube_Road_Crash] CELL PROPERTIES VALUE, BACK_COLOR, FORE_COLOR,
FORMATTED_VALUE, FORMAT_STRING, FONT_NAME, FONT_SIZE, FONT_FLAGS
    
```

Solution Explorer

- Solution 'ROAD_CRASH_SSAS' (-1 projects)
 - ROAD_CRASH_SSAS
 - Data Sources
 - DS_Road_Crash_DW.ds
 - Data Source Views
 - DSV_Road_Crash_DW.dsv
 - Cubes
 - Cube_Road_Crash.cube
 - Dimensions
 - Dim Location.dim
 - Dim Date.dim
 - Dim Description.dim
 - Dim Vehicle.dim
 - Mining Structures
 - Roles
 - Role.role
 - Assemblies

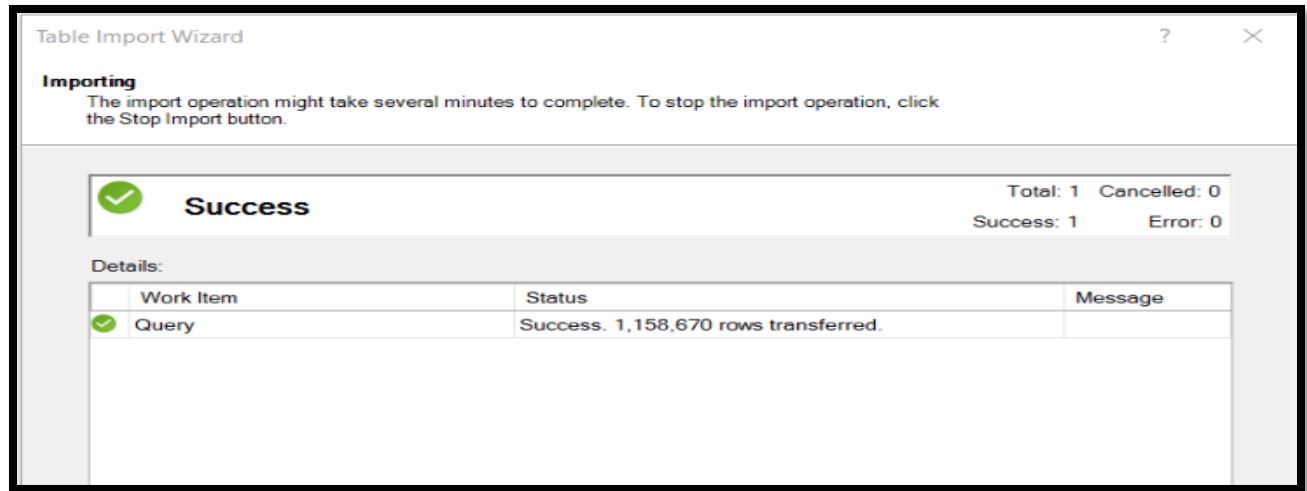
By providing the server name and multidimensional project I created connection to the Excel with cube I created.

The screenshot shows the 'Table Import Wizard' window with the title 'Table Import Wizard'. The main heading is 'Connect to Microsoft SQL Server Analysis Services.' with the instruction 'Enter the information required to connect to a Microsoft SQL Server Analysis Services database.' Below this, there are two text boxes: 'Friendly connection name:' containing 'AnalysisServices DESKTOP-ENT2FRUMSSQLSERVER_INS2 ROAD_CRASH_SSAS' and 'Server or File Name:' containing 'DESKTOP-ENT2FRUMSSQLSERVER_INS2'. A section titled 'Log on to the server' contains two radio buttons: 'Use Windows Authentication' (selected) and 'Use SQL Server Authentication'. Below these are text boxes for 'User name:' and 'Password:', and a checkbox for 'Save my password' which is unchecked. At the bottom, there is a 'Database name:' dropdown menu showing 'ROAD_CRASH_SSAS'. To the right of the dropdown are two buttons: 'Advanced' and 'Test Connection'. At the very bottom of the window are four buttons: '< Back', 'Next >', 'Finish', and 'Cancel'.

I pasted the MDX Query which was generated in SSRS.

The screenshot shows the 'Table Import Wizard' window with the title 'Table Import Wizard'. The main heading is 'Specify a MDX Query' with the instruction 'Type or paste a MDX query to select data to import from the source database.' Below this, there is a text box for 'Friendly Query Name:' containing 'Query'. Underneath is a section titled 'MDX Statement:' followed by a large text area containing the following MDX query:
`SELECT NON EMPTY { [Measures].[Fatalities], [Measures].[Casualties], KPIValue("KPI Total Injuries"), KPIGoal("KPI Total Injuries") } ON COLUMNS, NON EMPTY { ([Dim Date].[Hierarchy].[Hour].ALLMEMBERS) } DIMENSION PROPERTIES MEMBER_CAPTION, MEMBER_UNIQUE_NAME ON ROWS FROM (SELECT ({ [Dim Date].[Hierarchy].[All] }) ON COLUMNS FROM [Cube_Road_Crash]) CELL PROPERTIES VALUE, BACK_COLOR, FORE_COLOR, FORMATTED_VALUE, FORMAT_STRING, FONT_NAME, FONT_SIZE, FONT_FLAGS`

Data got successfully loaded.



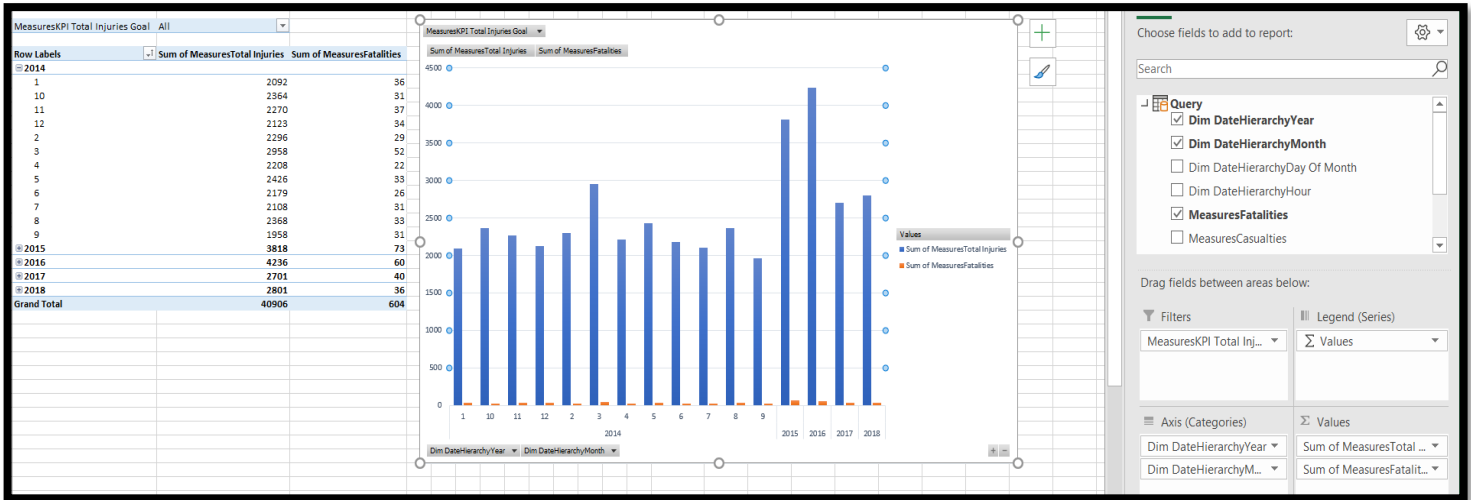
Power Pivot Table is generated as below

	Dim DateHierarchyYear	Dim DateHierarchyMonth	Dim DateHierarchyDay Of Month	Dim DateHierarchyHour	MeasuresFatalities	MeasuresCasualties	MeasuresTotal Injuries	MeasuresKPI Total Injuries Good
97815	2015	8	31	19	1	2	1	False
97816	2015	9		11	1	22	21	True
97817	2015	9		15	1	32	31	True
97818	2015	9		16	1	30	29	True
97819	2015	9		22	1	11	10	True
97820	2015	9		8	1	26	25	True
97821	2015	9		9	1	18	17	True
97822	2015	9	20	13	1	4	3	False
97823	2015	9	22	14	1	7	6	True
97824	2015	9	5	13	1	10	9	True
97825	2016	1	26	22	1	4	3	False
97826	2016	10	13	11	1	3	2	False
97827	2016	11		9	1	14	13	True
97828	2016	11	12	0	1	2	1	False
97829	2016	11	21	22	1	1	0	False
97830	2016	12	14	23	1	3	2	False
97831	2016	12	18	1	1	1	0	False
97832	2016	12	25	5	1	1	0	False
97833	2016	2		16	1	3	2	False
97834	2016	2	24	16	1	20	19	True
97835	2016	4		19	1	6	5	False
97836	2016	4	23	14	1	9	8	True

DRILL DOWN

Here Date hierarchy has moved down from year to month.

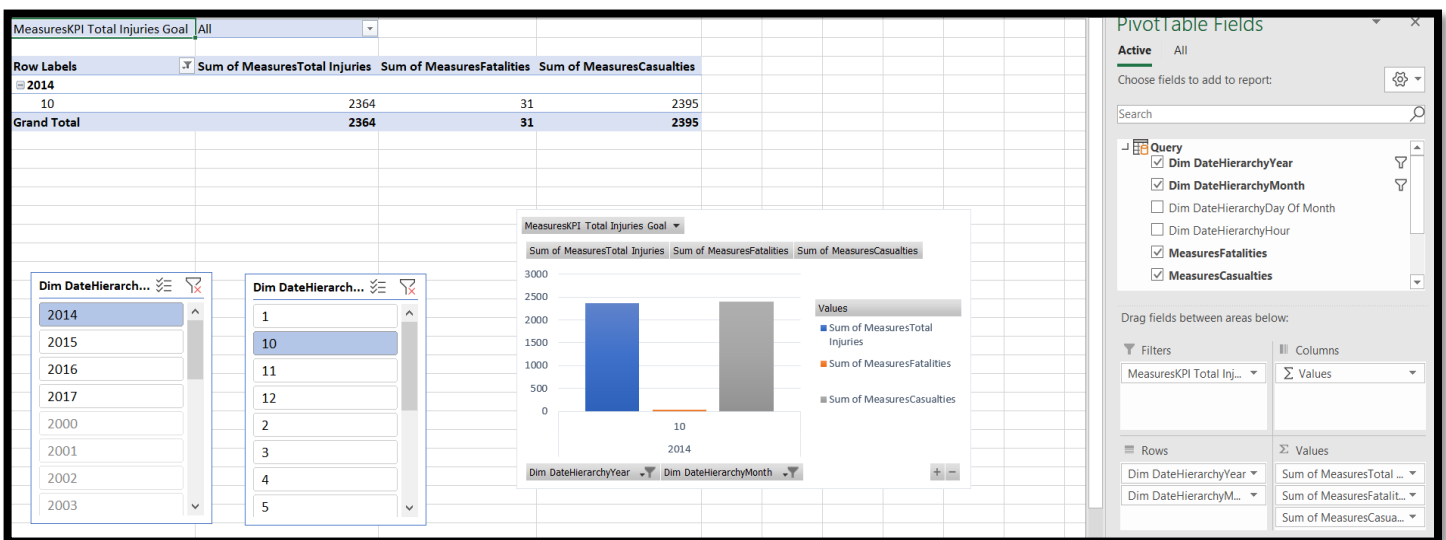
The Chart and the table are about the sum of casualties and fatalities each month of the year



SLICE

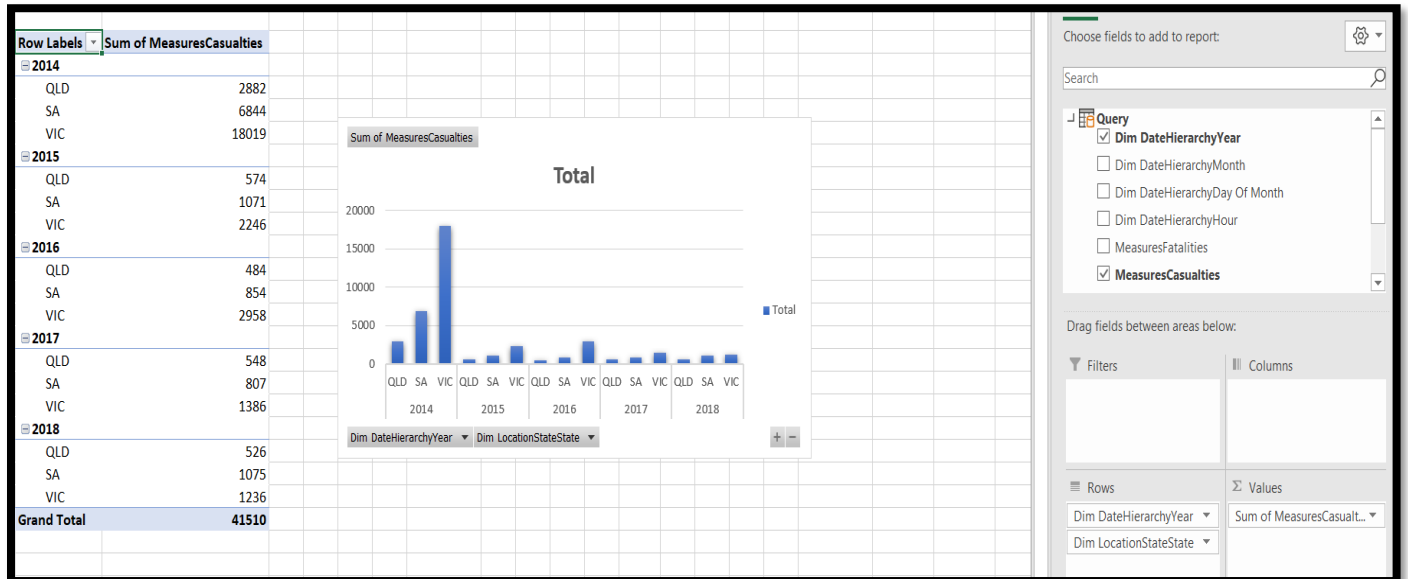
Here the DimDate dimension is sliced to 10th month of the year with a filter.

The Chart and the table are about the sum of casualties and fatalities on 10 the month of the year.



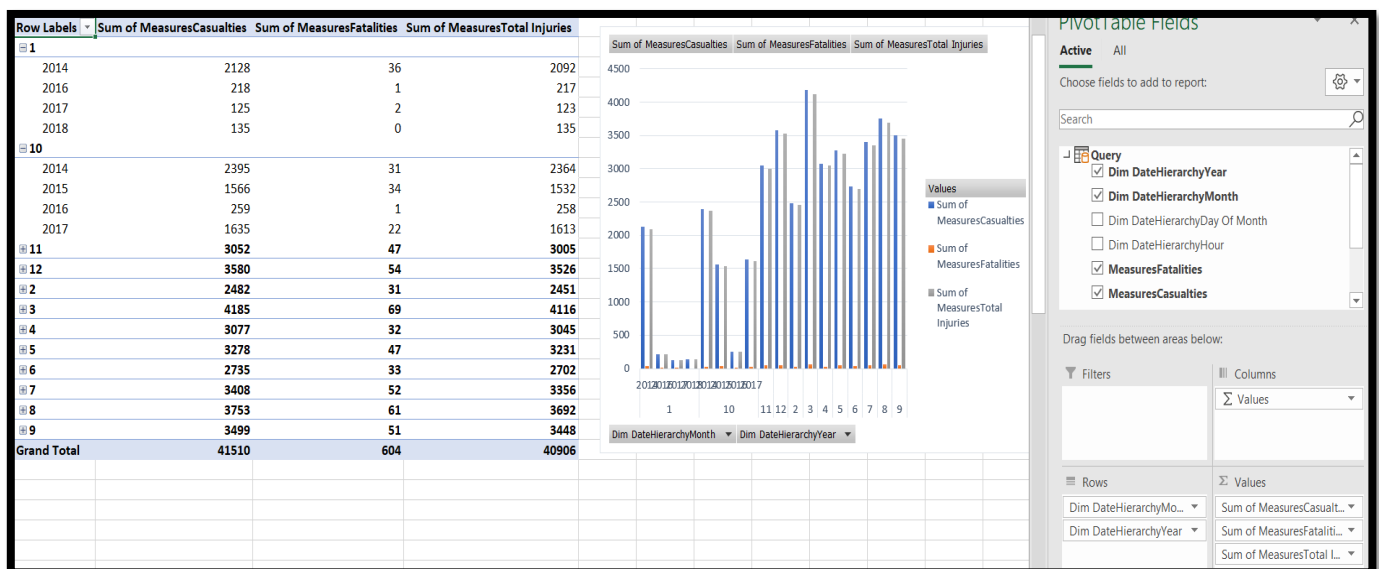
PIVOT

1. Here I have rotate the axes in table.
2. The Chart and the table show the sum of casualties in each state in each year



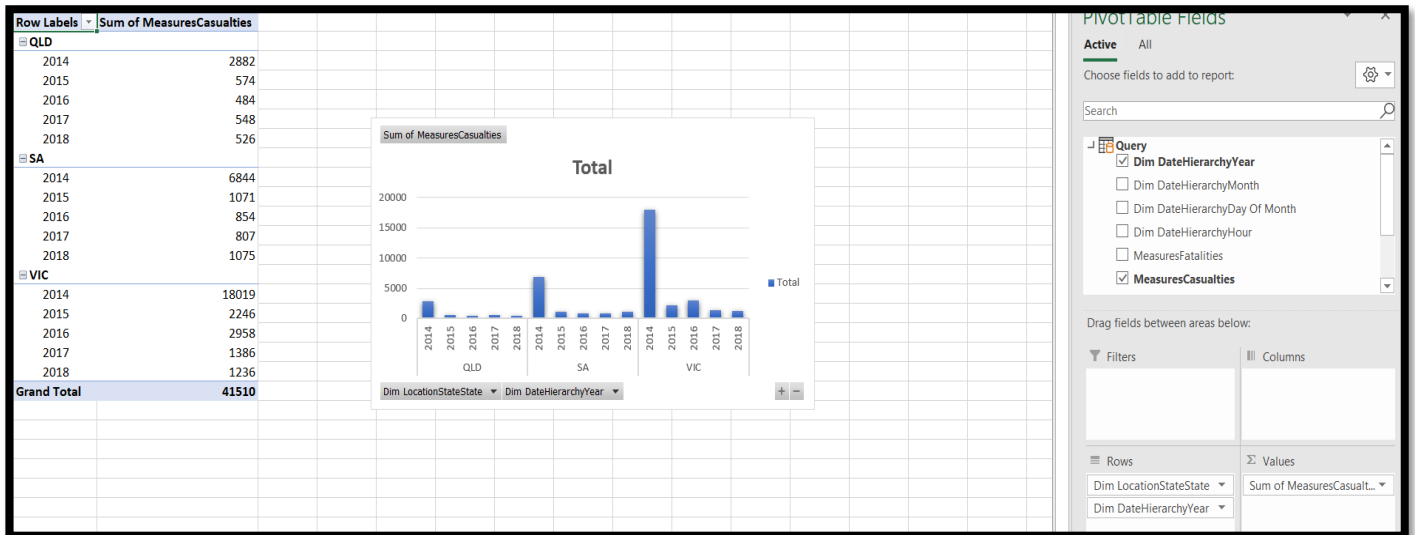
ROLL UP

1. Here Date hierarchy has moved up from month to year.
2. The Chart and the table are about sum of casualties and fatalities in each month of the year.

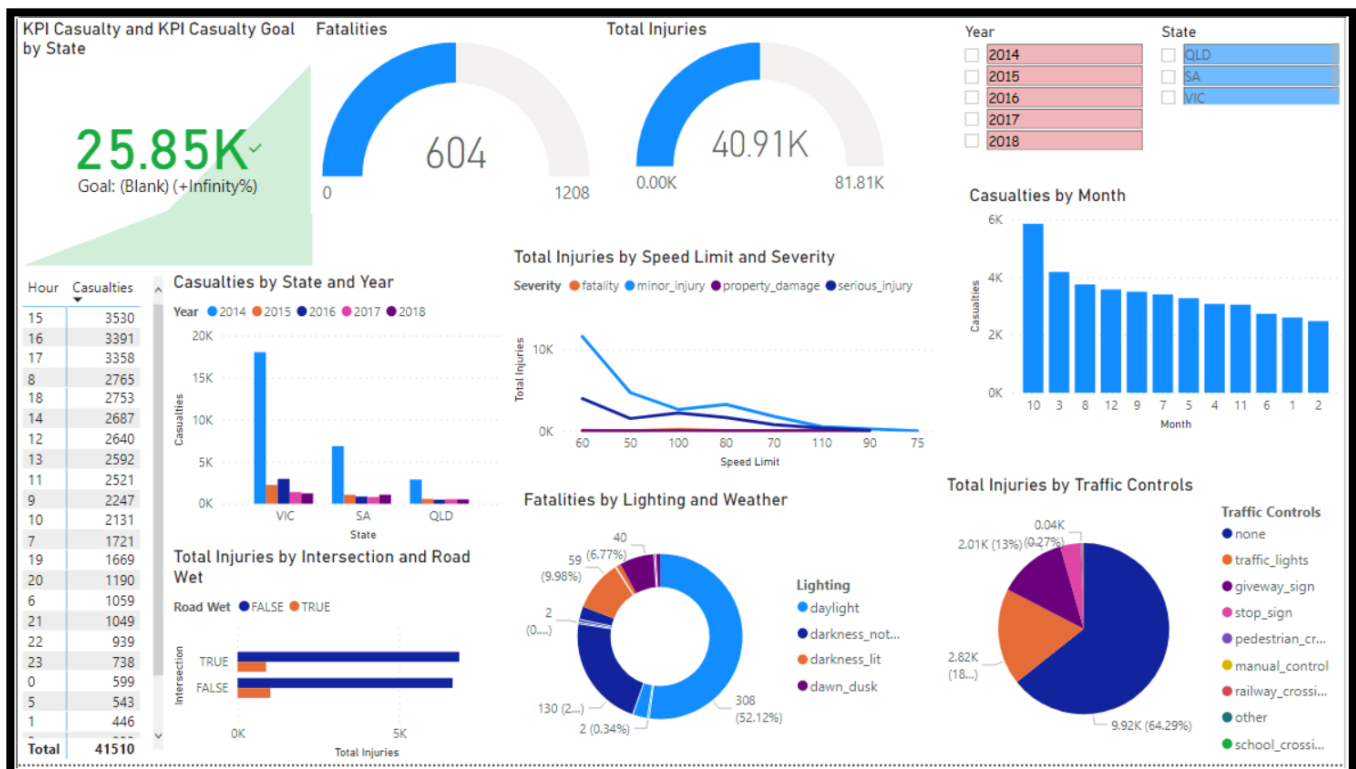


DICE

1. Here it has taken two dimensions DimLocation & DimDate dimension to create this sub cube along with one measure.
2. The Chart and the table show the sum of casualties in each state in each year



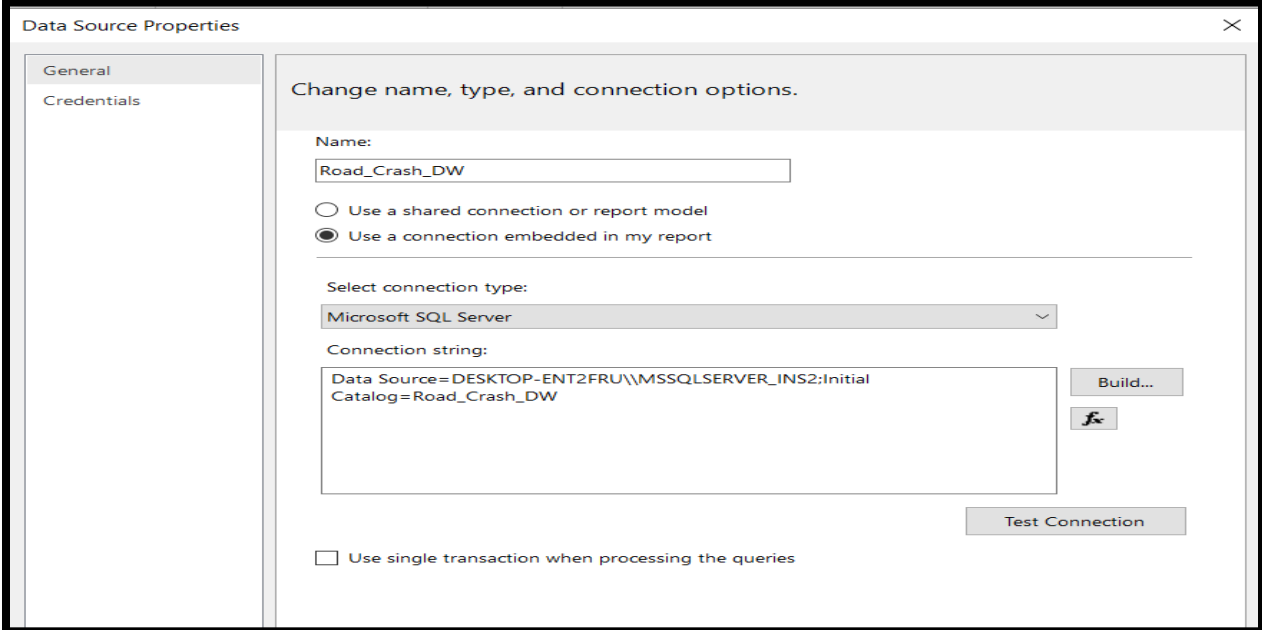
I created a POWER BI dashboard as follows reflecting the OLAP operations



Step 4: SSRS Reports

1)Report 1: Report with a matrix

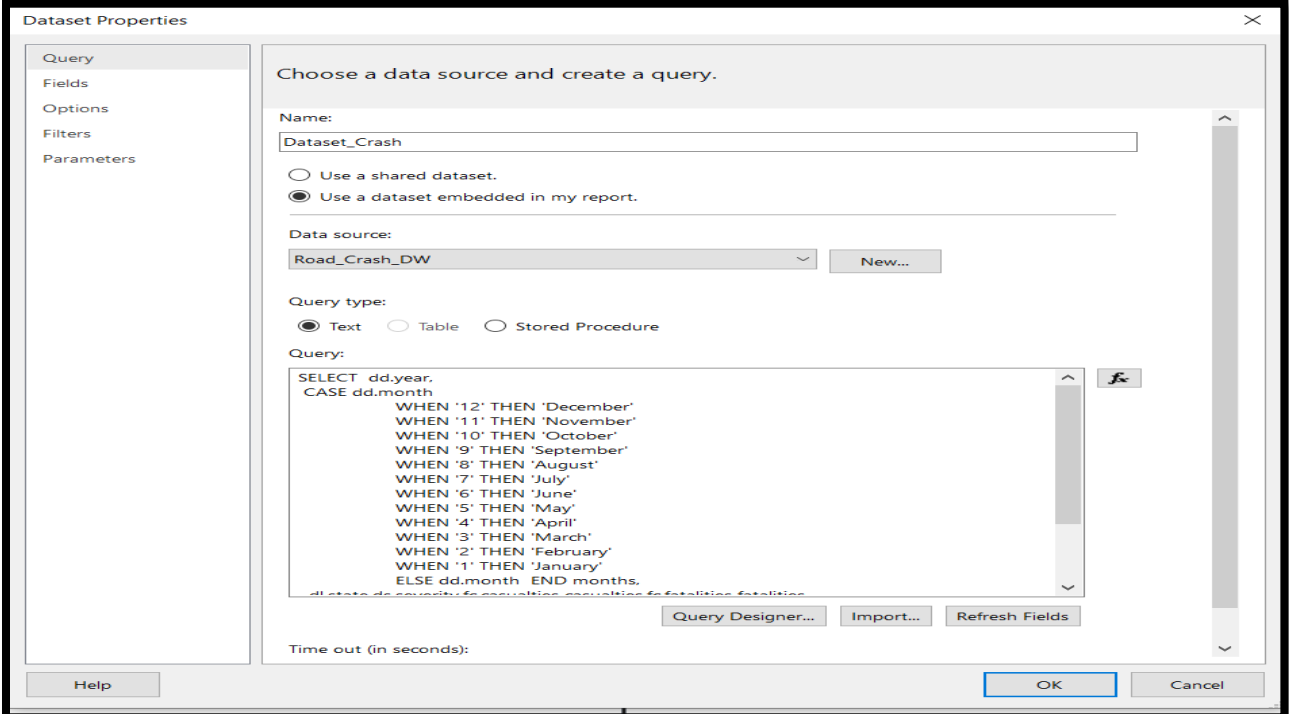
I created a data source in Reports Builder as follows and created a dataset



The **Data Source Properties** dialog box is shown with the **General** tab selected. The **Change name, type, and connection options.** section contains the following fields and options:

- Name:** Road_Crash_DW
- ☐ Use a shared connection or report model
- ☒ Use a connection embedded in my report
- Select connection type:** Microsoft SQL Server
- Connection string:** Data Source=DESKTOP-ENT2FRU\\MSSQLSERVER_INS2;Initial Catalog=Road_Crash_DW
- ☐ Use single transaction when processing the queries

Buttons: **Build...**, **Test Connection**



The **Dataset Properties** dialog box is shown with the **Query** tab selected. The **Choose a data source and create a query.** section contains the following fields and options:

- Name:** Dataset_Crash
- ☐ Use a shared dataset.
- ☒ Use a dataset embedded in my report.
- Data source:** Road_Crash_DW
- Query type:** Text
- Query:**

```
SELECT dd.year,
CASE dd.month
WHEN '12' THEN 'December'
WHEN '11' THEN 'November'
WHEN '10' THEN 'October'
WHEN '9' THEN 'September'
WHEN '8' THEN 'August'
WHEN '7' THEN 'July'
WHEN '6' THEN 'June'
WHEN '5' THEN 'May'
WHEN '4' THEN 'April'
WHEN '3' THEN 'March'
WHEN '2' THEN 'February'
WHEN '1' THEN 'January'
ELSE dd.month END months,
dt.state as state,uf as population,population as fatalities,fatalities
```

Buttons: **Query Designer...**, **Import...**, **Refresh Fields**

Time out (in seconds):

Buttons: **Help**, **OK**, **Cancel**

New Table or Matrix

×

Arrange fields

Arrange fields to group data in rows, columns, or both, and choose values to display. Data expands across the page in column groups and down the page in row groups. Use functions such as Sum, Avg, and Count on the fields in the Values box.

Available fields

year

months

state

severity

casualties

fatalities

Column groups

state

Row groups

year




months


Σ Values

Sum(casualties)








Sum(fatalities)

SQL Server Reporting Services





Heesha Jaanvi

★ Favorites  Browse

Home > Road_Crash_Reports > rpt_matrix

1 of 1100% Find | Next

State Wise Report per Year per Month

		QLD		SA		VIC		Total								
	year	months	casualties	fatalities	casualties	fatalities	casualties	fatalities	casualties	fatalities	casualties	fatalities	casualties	fatalities		
	2014	April	204	2	204	2	560	5	560	5	1466	15	1466	15	2230	22
		August	345	4	345	4	591	8	591	8	1465	21	1465	21	2401	33
		December	95	2	95	2	588	20	588	20	1474	12	1474	12	2157	34
		February	280	2	280	2	607	5	607	5	1438	22	1438	22	2325	29
		January	128	4	128	4	565	8	565	8	1435	24	1435	24	2128	36
		July	187	1	187	1	547	9	547	9	1405	21	1405	21	2139	31
		June	193	0	193	0	523	6	523	6	1489	20	1489	20	2205	26
		March	697	15	697	15	604	11	604	11	1709	26	1709	26	3010	52
		May	240	3	240	3	632	7	632	7	1587	23	1587	23	2459	33
		November	121	1	121	1	587	8	587	8	1599	28	1599	28	2307	37
		October	254	3	254	3	558	8	558	8	1583	20	1583	20	2395	31
		September	138	0	138	0	482	11	482	11	1369	20	1369	20	1989	31
		Total	2882	37	2882	37	6844	106	6844	106	18019	252	18019	252	27745	395
	2015	Total	574	11	574	11	1071	29	1071	29	2246	33	2246	33	3891	73
	2016	Total	484	4	484	4	854	12	854	12	2958	44	2958	44	4296	60
	2017	Total	548	8	548	8	807	17	807	17	1386	15	1386	15	2741	40
Total			4488	60	4488	60	9576	164	9576	164	24609	344	24609	344	38673	568

1

Report 2: Report with more than one parameter

I created a dataset “DataSet_State” in order to retrieve the available states in DimLocation. I created a dataset “DataSet_Location_Gov_Area” in order to retrieve the available local government areas so I can filter them by state in DimLocation. **According to the state selected from state parameter, the values for the local government area changes**, and multiple states can be created

The screenshot shows the 'Dataset Properties' dialog box. On the left is a sidebar with 'Query' selected. The main area is titled 'Choose a data source and create a query.' It contains the following fields and options:

- Name:** DataSet_State
- Use a shared dataset.** (radio button, unselected)
- Use a dataset embedded in my report.** (radio button, selected)
- Data source:** Road_Crash_DW (dropdown menu)
- New...** (button)
- Query type:** Text (radio button, selected), Table (radio button, unselected), Stored Procedure (radio button, unselected)
- Query:** select distinct dl.state from DimLocation dl

The screenshot shows the 'Dataset Properties' dialog box for a second dataset. It contains the following fields and options:

- Name:** DataSet_Location_Gov_Area
- Use a shared dataset.** (radio button, unselected)
- Use a dataset embedded in my report.** (radio button, selected)
- Data source:** Road_Crash_DW (dropdown menu)
- New...** (button)
- Query type:** Text (radio button, selected), Table (radio button, unselected), Stored Procedure (radio button, unselected)
- Query:** select distinct dl.local_government_area from DimLocation dl where dl.state IN (@state) order by dl.local_government_area

The screenshot shows the 'Report Data' dialog box. On the left is a tree view of the report data. The main area is titled 'Change name, data type, and other options.' It contains the following fields and options:

- Name:** state
- Prompt:** state
- Data type:** Text (dropdown menu)
- Allow blank value ("")** (checkbox, unselected)
- Allow null value** (checkbox, unselected)
- Allow multiple values** (checkbox, selected)
- Select parameter visibility:** Visible (radio button, selected), Hidden (radio button, unselected), Internal (radio button, unselected)

General
Available Values
Default Values
Advanced

Choose the available values for this parameter.

Select from one of the following options:

☐ None
☐ Specify values
☒ Get values from a query

Dataset: (Warning: Possible performance impact)

DataSet_State

Value field:

state

Label field:

state

Query
Fields
Options
Filters
Parameters

Choose a data source and create a query.

Name:

Dataset_Crash

☐ Use a shared dataset.
☒ Use a dataset embedded in my report.

Data source:

Road_Crash_DW

New...

Query type:

☒ Text
☐ Table
☐ Stored Procedure

Query:

```

SELECT dd.year,
dl.state,fc.casualties casualties,fc.fatalities fatalities,dl.local_government_area
FROM FactCrash fc
inner join DimDate dd ON fc.dateTimeSK = dd.dateTimeSK
inner join DimDescription ds ON fc.descriptionSK = ds.descriptionSK
inner join DimLocation dl ON fc.locationSK= dl.locationSK
where dl.local_government_area IN (@local_area)
order by dl.local_government_area asc

```

Report Parameter Properties

General
Available Values
Default Values
Advanced

Choose the available values for this parameter.

Select from one of the following options:

☐ None
☐ Specify values
☒ Get values from a query

Dataset: (Warning: Possible performance impact)
 DataSet_Location_Gov_Area

Value field:
 local_government_area

Label field:
 local_government_area

Report Parameter Properties

General
Available Values
Default Values
Advanced

Change name, data type, and other options.

Name:
 local_area

Prompt:
 local area

Data type:
 Text

☐ Allow blank value ("")
☐ Allow null value
☒ Allow multiple values

Select parameter visibility:
☒ Visible
☐ Hidden
☐ Internal

SQL Server Reporting Services

Heesha Jaanvi

Home > Road_Crash_Reports > rpt_matrix_accident_State_Area_hpara4

state: QLD

local area: Aurukun Shire

View Report

1 of 1

100%

Find | Next

Annual Crash Report for Local Government Area per State

		2014		2015	
state	local government area	casualties	fatalities	casualties	fatalities
QLD	Aurukun Shire	11	0	2	0

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Report 3: Create an SSRS drill-down report

Dataset Properties

Query
Fields
Options
Filters
Parameters

Choose a data source and create a query.

Name:
Dataset_Crash

☐ Use a shared dataset.
☒ Use a dataset embedded in my report.

Data source:
Road_Crash_DW New...

Query type:
☒ Text ☐ Table ☐ Stored Procedure

Query:

```
SELECT dd.year,
CASE dd.month
    WHEN '12' THEN 'December'
    WHEN '11' THEN 'November'
    WHEN '10' THEN 'October'
    WHEN '9' THEN 'September'
    WHEN '8' THEN 'August'
    WHEN '7' THEN 'July'
    WHEN '6' THEN 'June'
    WHEN '5' THEN 'May'
    WHEN '4' THEN 'April'
    WHEN '3' THEN 'March'
    WHEN '2' THEN 'February'
    WHEN '1' THEN 'January'
    ELSE dd.month END months,
dd.state, dd.severity, dd.casualties, dd.fatalities
```

Query Designer... Import... Refresh Fields

Arrange fields to group data in rows, columns, or both, and choose values to display. Data expands across the page in column groups and down the page in row groups. Use functions such as Sum, Avg, and Count on the fields in the Values box.

Available fields

- year
- months
- state
- severity
- casualties
- fatalities**

Column groups

- state
- severity

Row groups

- year
- months

Values

- Sum(casualties)
- Sum(fatalities)



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[Home](#) > [Road_Crash_Reports](#) > rpt_matrix_drill_down

1 of 1

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State and Severity Wise Report per Year per Month

		QLD						SA				VIC		Total	
		fatality		minor_injury		serious_injury		Total		Total		Total			
year	months	casualties	fatalities	casualties	fatalities	casualties	fatalities	casualties	fatalities	casualties	fatalities	casualties	fatalities	casualties	fatalities
2014	April	2	2	112	0	90	0	204	2	560	5	1466	15	2230	22
	August	5	4	197	0	143	0	345	4	591	8	1465	21	2401	33
	December	6	2	55	0	34	0	95	2	588	20	1474	12	2157	34
	February	3	2	144	0	133	0	280	2	607	5	1438	22	2325	29
	January	5	4	53	0	70	0	128	4	565	8	1435	24	2128	36
	July	2	1	90	0	95	0	187	1	547	9	1405	21	2139	31
	June			75	0	118	0	193	0	523	6	1489	20	2205	26
	March	29	15	403	0	265	0	697	15	604	11	1709	26	3010	52
	May	7	3	140	0	93	0	240	3	632	7	1587	23	2459	33
	November	1	1	68	0	52	0	121	1	587	8	1599	28	2307	37
	October	3	3	148	0	103	0	254	3	558	8	1583	20	2395	31
	September			76	0	62	0	138	0	482	11	1369	20	1989	31
	Total	63	37	1561	0	1258	0	2882	37	6844	106	18019	252	27745	395
2015	Total	21	11	348	0	205	0	574	11	1071	29	2246	33	3891	73
2016	Total	6	4	250	0	228	0	484	4	854	12	2958	44	4296	60
2017	Total	11	8	331	0	206	0	548	8	807	17	1386	15	2741	40
Total		101	60	2490	0	1897	0	4488	60	9576	164	24609	344	38673	568

Report 4: Create an SSRS drill-through report.

Dataset Properties

Choose a data source and create a query.

Name:
DataSet_Accident

☐ Use a shared dataset.
☒ Use a dataset embedded in my report.

Data source:
DS_ROAD_CRASH_DW New...

Query type:
☒ Text ☐ Table ☐ Stored Procedure

Query:
SELECT dd.year,dl.state,fc.casualties
FROM FactCrash fc
inner join DimDate dd ON fc.dateTimeSK = dd.dateTimeSK
inner join DimDescription ds ON fc.descriptionSK = ds.descriptionSK
inner join DimLocation dl ON fc.locationSK= dl.locationSK
inner join DimVehicle dv ON fc.vehicleSK=dv.vehicleSK
order by dd.year ASC

Name:
DataSet_Accident

☐ Use a shared dataset.
☒ Use a dataset embedded in my report.

Data source:
DS_ROAD_CRASH_DW New...

Query type:
☒ Text ☐ Table ☐ Stored Procedure

Query:
SELECT dd.year,dl.state,dl.local_government_area,fc.casualties
FROM FactCrash fc
inner join DimDate dd ON fc.dateTimeSK = dd.dateTimeSK
inner join DimDescription ds ON fc.descriptionSK = ds.descriptionSK
inner join DimLocation dl ON fc.locationSK= dl.locationSK
inner join DimVehicle dv ON fc.vehicleSK=dv.vehicleSK
where dl.state = @state
order by dd.year ASC

Report Parameter Properties

General

Available Values

Default Values

Advanced

Change name, data type, and other options.

Name:
state

Prompt:
state

Data type:
Text

☐ Allow blank value ("")

☐ Allow null value

☐ Allow multiple values

Select parameter visibility:

☐ Visible

☒ Hidden

☐ Internal

Report Parameter Properties

General

Available Values

Default Values

Advanced

Change name, data type, and other options.

Name:
year

Prompt:
year

Data type:
Text

☐ Allow blank value ("")

☐ Allow null value

☐ Allow multiple values

Select parameter visibility:

☐ Visible

☒ Hidden

☐ Internal

Series Properties

Series Data

Visibility

Axes and Chart Area

Markers

Legend

Action

Fill

Border

Shadow

Change action options.

Enable as an action:

None

Go to report

Go to bookmark

Go to URL

Specify a report:

/Road_Crash_Reports/rpt_through_chart_second

fx

Browse...

Use these parameters to run the report:

Add

Delete

Name	Value		Omit
state	[state]	fx	fx
year	[year]	fx	fx

I have created a line chart which displays trend of casualties per year per state.

Moreover I have created a column chart which shows the sum of casualties per year per state.

Once the bar is clicked, the pie char report will display in detail the local government areas to the particular state and year.

SQL Server Reporting Services

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Home > Road_Crash_Reports > rpt_through_chart_first

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City Wise Number of Casualty Analysis

Casualty Analysis per City

2014 2015 2016 2017 2018

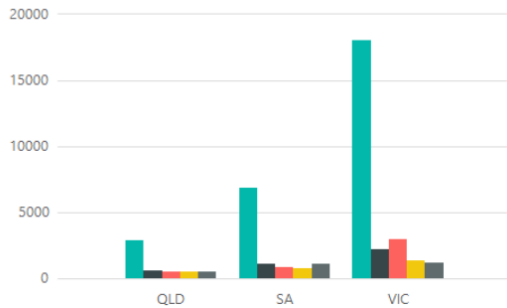
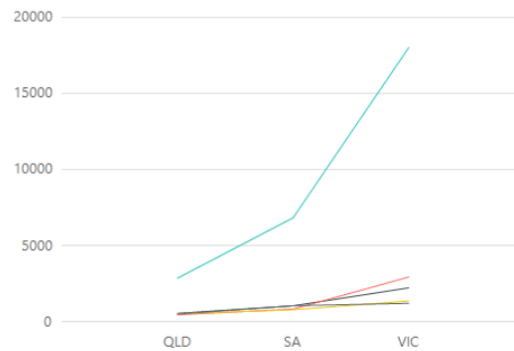


Chart Title

2014 2015 2016 2017 2018



6/25/2021 8:57:01 PM

SQL Server Reporting Services

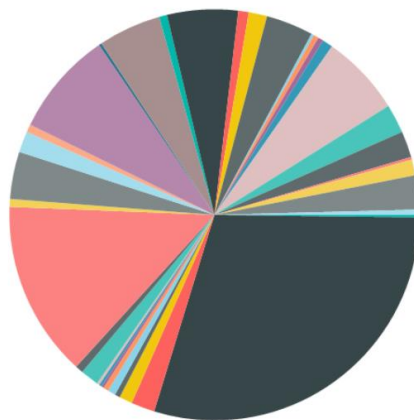
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Local Area Wise Number of Casualty Analysis

QLD



Barcoo Shire - 2016
Brisbane City - 2016
Bundaberg Region - 2016
Cairns Region - 2016
Cassowary Coast Region - 2016
Central Highlands Region - 2016
Charters Towers Region - 2016
Cook Shire - 2016
Diamantina Shire - 2016
Etheridge Shire - 2016
Fraser Coast Region - 2016
Gladstone Region - 2016
Gold Coast City - 2016
Gympie Region - 2016
Ipswich City - 2016
Livingstone Shire - 2016
Lockyer Valley Region - 2016
Logan City - 2016
Longreach Region - 2016
Mackay Region - 2016
Mareeba Shire - 2016
Moreton Bay Region - 2016
Noosa Shire - 2016
Redland City - 2016
Rockhampton Region - 2016
Scenic Rim Region - 2016
Somerset Region - 2016
South Burnett Region - 2016
Southern Downs Region - 2016
Sunshine Coast Region - 2016
Toowoomba Region - 2016
Townsville City - 2016
Weipa Town - 2016
Western Downs Region - 2016
Whitsunday Region - 2016
Winton Shire - 2016

