IMSE 586 – Big Data & Data Visualization
HOMEWORK 2

SURESH OOTY

Data Model:

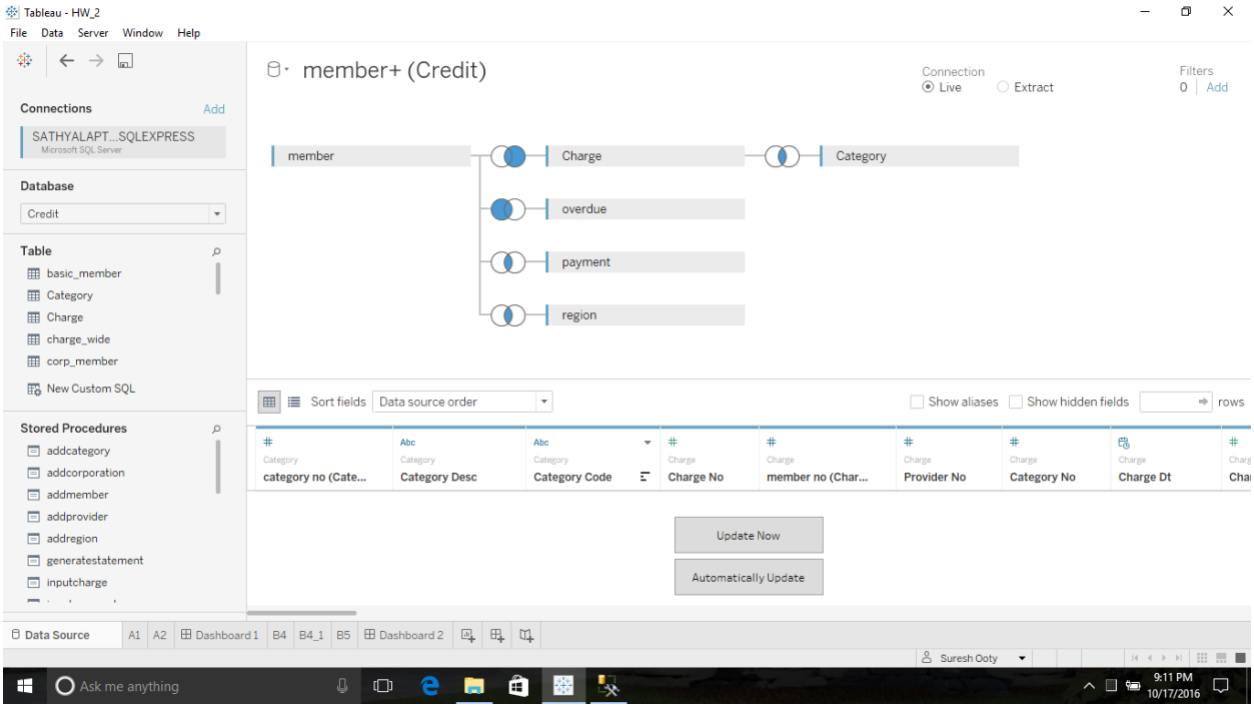
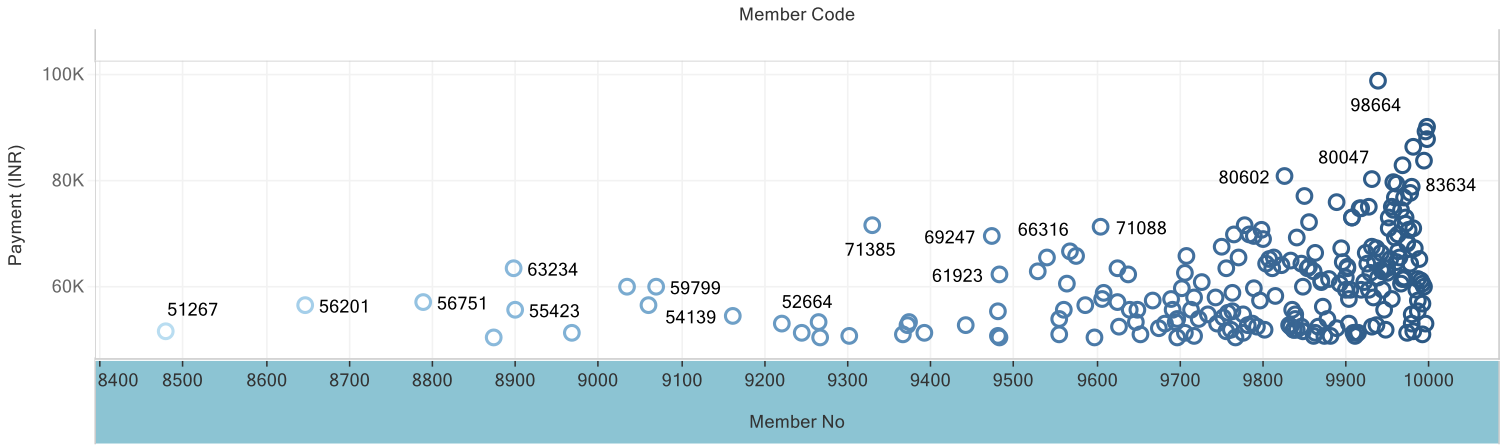


Tableau - HW_2
File Data Server Window Help
member+ (Credit)
Connection
Live
Extract
Filters
0 | Add
Connections
Add
SATHYALAPT...SQLEXPRESS
Microsoft SQL Server
Database
Credit
Table
basic_member
Category
Charge
charge_wide
corp_member
New Custom SQL
Stored Procedures
addcategory
addcorporation
addmember
addprovider
addregion
generatestatement
inputcharge
member
Charge
Category
overdue
payment
region
Sort fields
Data source order
Show aliases
Show hidden fields
rows
category no (Cate...
Category Desc
Category Code
Charge No
member no (Char...
Provider No
Category No
Charge Dt
Update Now
Automatically Update
Data Source
A1
A2
Dashboard 1
B4
B4_1
B5
Dashboard 2
Suresh Ooty
Ask me anything
9:11 PM
10/17/2016

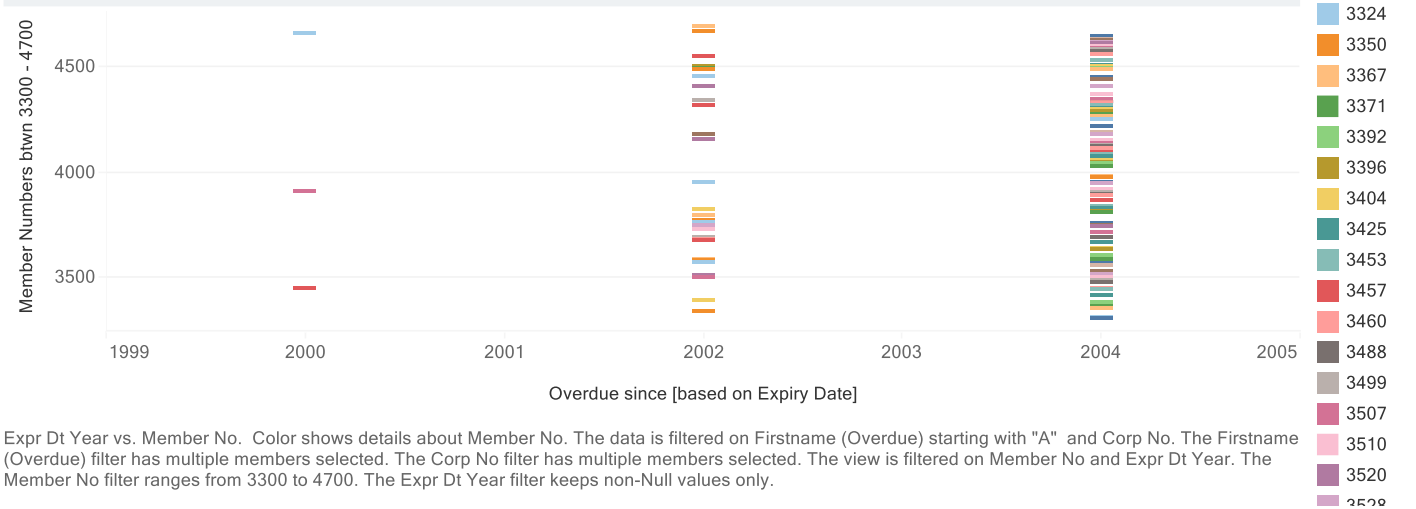
Eligible Members for Discount and Members having overdue

Top Members(8480 to 9998) purchased from Rs.50000 to 100000 - Eligible for Discount



Member No vs. Payment Amt broken down by Member Code. Color shows details about Member No. The marks are labeled by Payment Amt and Member Code. The view is filtered on Payment Amt, which ranges from 50000 to 100000.

Member Numbers(3300 - 4700) that has overdue



Expr Dt Year vs. Member No. Color shows details about Member No. The data is filtered on Firstname (Overdue) starting with "A" and Corp No. The Firstname (Overdue) filter has multiple members selected. The Corp No filter has multiple members selected. The view is filtered on Member No and Expr Dt Year. The Member No filter ranges from 3300 to 4700. The Expr Dt Year filter keeps non-Null values only.

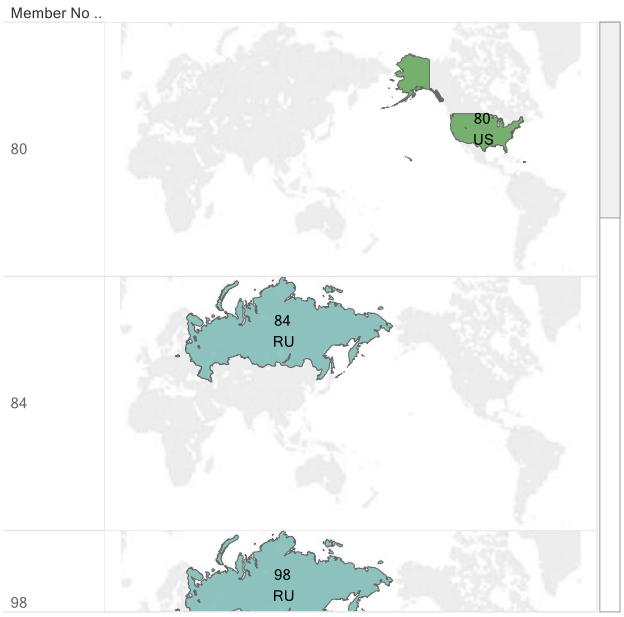
Dashboard A:

Dashboard B:

Members (80-200)that are in AU, US,IN, JA & RU

Country	
AU	139
RU	84 98 110
US	80 129 191

Members (80-200)that are in AU, US,IN, JA & RU



Map based on Longitude (generated) and Latitude (generated) broken down by Member No (Payment). Color shows details about Country. The marks are labeled by Member No (Payment) and Country. The data is filtered on Country (Region), which keeps 6 of 6 members. The view is filtered on Country and Member No (Payment). The Country filter keeps AU, RU and US. The Member No (Payment) filter keeps with member no btwn 80 - 200 .

Members that bought all categories of products from all regions

	In / Out of MemberSet / Country (Region)				
	In				
Category Desc	Br	Ja	Ke	Sw	
Clothing	ACSTUYRT...	...	...	...	...
Communication	ACSTUYRT...	...	...	...	...
Electronics	ACSTUYRT...	...	...	...	...
Entertainment	ACSTUYRT...	...	...	...	...
Groceries	ACSTUYRT...	...	...	...	...
Home Supplies	ACSTUYRT...	...	...	...	...
Lodging	ACSTUYRT...	...	...	...	...
Meals	ACSTUYRT...	...	...	...	...
Misc	ACSTUYRT...	...	...	...	...

Firstname, Category Desc and Region Code broken down by Category Desc vs. In / Out of MemberSet and Country (Region). The view is filtered on In / Out of MemberSet, which keeps In (that has purchased all categories except for "Travel"). Note :No member has purchased a Travel category. Check EXPORTED data for details on all first names.

Note:

1. An additional summary of Member number & Country was added for easy readability.
2. The text table is created using SET (all member first names that has bought all categories, using conditions “count distinct [Member No] >=9”. It was noted that none has bought in TRAVEL category , hence ‘9’)

export.csv