

List of tables

SR NO.	Table Name	Type of Table	Row Count
1	DimAccount	Dimension	24
2	DimChannel	Dimension	4
3	DimCurrency	Dimension	28
4	DimCustomer_Company	Dimension	386
5	DimCustomer_Person	Dimension	18,484
6	DimDate	Dimension	45,656
7	DimEntity	Dimension	421
8	DimGeography	Dimension	517
9	DimProduct	Dimension	2,517
10	DimProductCost	Dimension	27,060
11	DimProductPrice	Dimension	29,568
12	DimPromotion	Dimension	28
13	DimSalesTerritory	Dimension	265
14	DimScenario	Dimension	3
15	DimStore	Dimension	306

Performance Statistics Of Talend DI

SR NO.	Table Populated	Number of Inserts (Talend)	Number of Rejects	Time taken (in Seconds)
1	DimAccount	24	0	0.687 sec
2	DimChannel	4	0	0.639 sec
3	DimCurrency	28	0	0.703 sec
4	DimCustomer_Company	386	0	1.4 sec
5	DimCustomer_Person	18,484	0	1.9 sec
6	DimDate	45,656	0	3.1 sec
7	DimEntity	306	0	1.5 sec
8	DimGeography	517	0	1.4 sec
9	DimProduct	2,517	0	2.0 sec
10	DimProductCost	27060	0	610.1 sec
11	DimProductPrice	29568	0	535.5 sec
12	DimPromotion	28	0	1.4 sec
13	DimSalesTerritory	265	0	1.5 sec
14	DimScenario	3	0	0.5 sec
15	DimStore	306	0	1.6 sec
16	FactExchangeRate	2,192	0	sec
17	FactSalesQuota	3,839,378	4,68,557	sec
18	FactStrategyPlan	2,017,741	0	sec
19	FactInventory	9,270,723	210,650	sec
20	FactOnlineSales	3,820,218	9,76,238	sec
21	FactSales	883,292	41,819	sec
	Master_Job	-	-	1020.0 sec ~ 17 min

Talend Screenshots

1. DimAccount

2. DimChannel

3. DimCurrency

4. DimCustomer_Company

5. DimCustomer_Person

6. DimDate

7. DimEntity

8. DimGeography

9. DimProduct

10. DimProductCost

11. DimProductPrice

12. DimPromotion

13. DimSalesTerritory

14. DimScenario

15. DimStore

16. FactExchangeRate

The screenshot displays the Talend Data Integration (6.2.1.20160704.1411) interface for the 'FinalProjectDWBI2016' project. The left sidebar shows a repository of jobs, including 'load_FactExchangeRate 0.1'. The main workspace shows a job design for 'FactExchangeRate' with a 'tMap_1' component. The job is configured to load data from 'dimcurrency' and 'factexchange' tables. The execution logs in the 'Designer: Code/Jobscript' pane show the job starting at 06:31 14/12/2016 and ending at 06:31 14/12/2016 with an exit code of 0. The logs also show the job's configuration, including the job name, job ID, and the number of rows loaded (2192 rows in 0.98s).

Job load_FactExchangeRate

Execution

Starting job load_FactExchangeRate at 06:31 14/12/2016.

[statistics] connecting to socket on port 3496

[statistics] connected

vRootName: null

vJobPID: GsxPTE

vJobName: load_FactExchangeRate

vChildName: load_FactExchangeRate

vChildPID: GsxPTE

1703 milliseconds

vRootName: null

vJobPID: GsxPTE

vJobName: load_FactExchangeRate

vChildName: load_FactExchangeRate

vChildPID: GsxPTE

[statistics] disconnected

Job load_FactExchangeRate ended at 06:31 14/12/2016. [exit code=0]

17. FactStrategyPlan

The screenshot displays the Talend Data Integration (6.2.1.20160704.1411) interface for the 'FinalProjectDWBI2016' project. The left sidebar shows a repository of jobs, including 'load_FactStrategyPlan 0.1'. The main workspace shows a job design for 'FactStrategyPlan' with a 'tMap_1' component. The job is configured to load data from 'factstrategyplan' and 'factstrategyplan_rejects' tables. The execution logs in the 'Designer: Code/Jobscript' pane show the job starting at 06:03 14/12/2016 and ending at 06:04 14/12/2016 with an exit code of 0. The logs also show the job's configuration, including the job name, job ID, and the number of rows loaded (1833752 rows in 21.14s).

Job load_factStrategyPlan

Execution

Starting job load_factStrategyPlan at 06:03 14/12/2016.

[statistics] connecting to socket on port 3348

[statistics] connected

vRootName: null

vJobPID: aleNST

vJobName: load_factStrategyPlan

vChildName: load_factStrategyPlan

vChildPID: aleNST

22375 milliseconds

vRootName: null

vJobPID: aleNST

vJobName: load_factStrategyPlan

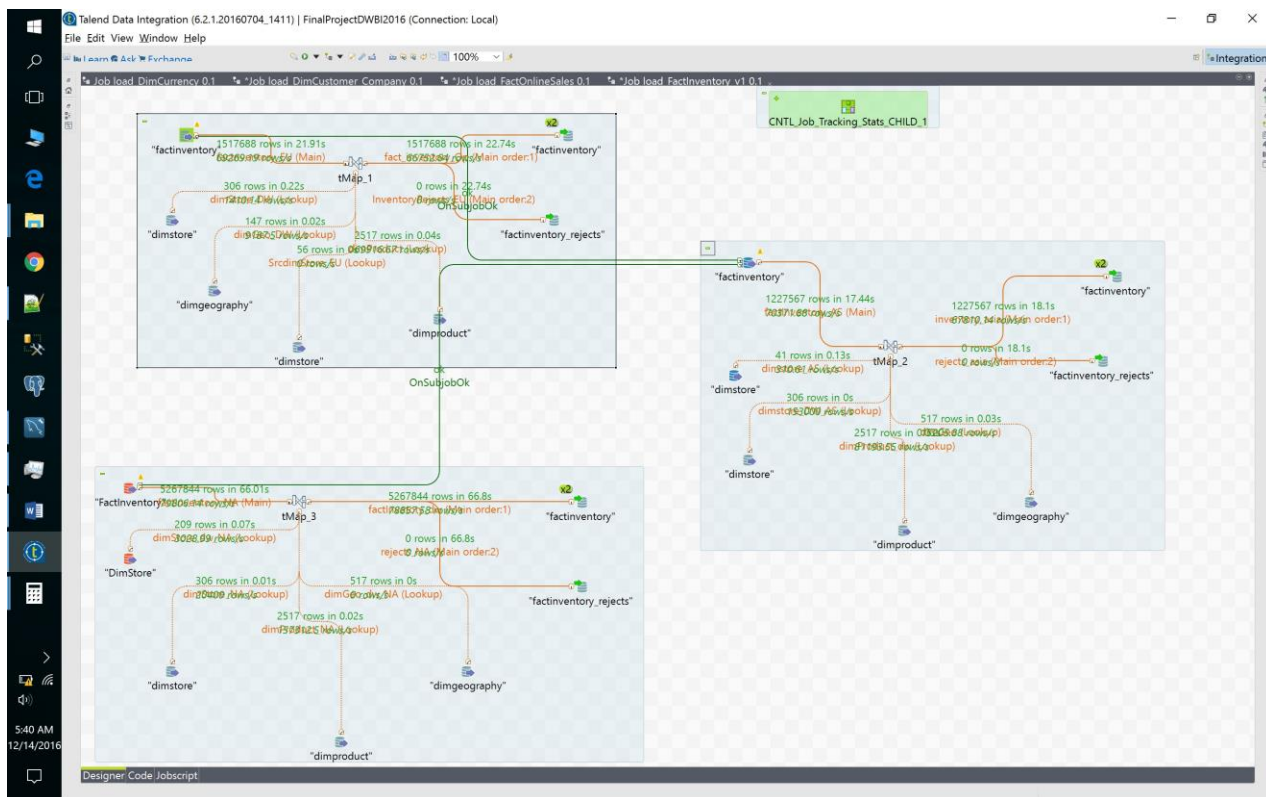
vChildName: load_factStrategyPlan

vChildPID: aleNST

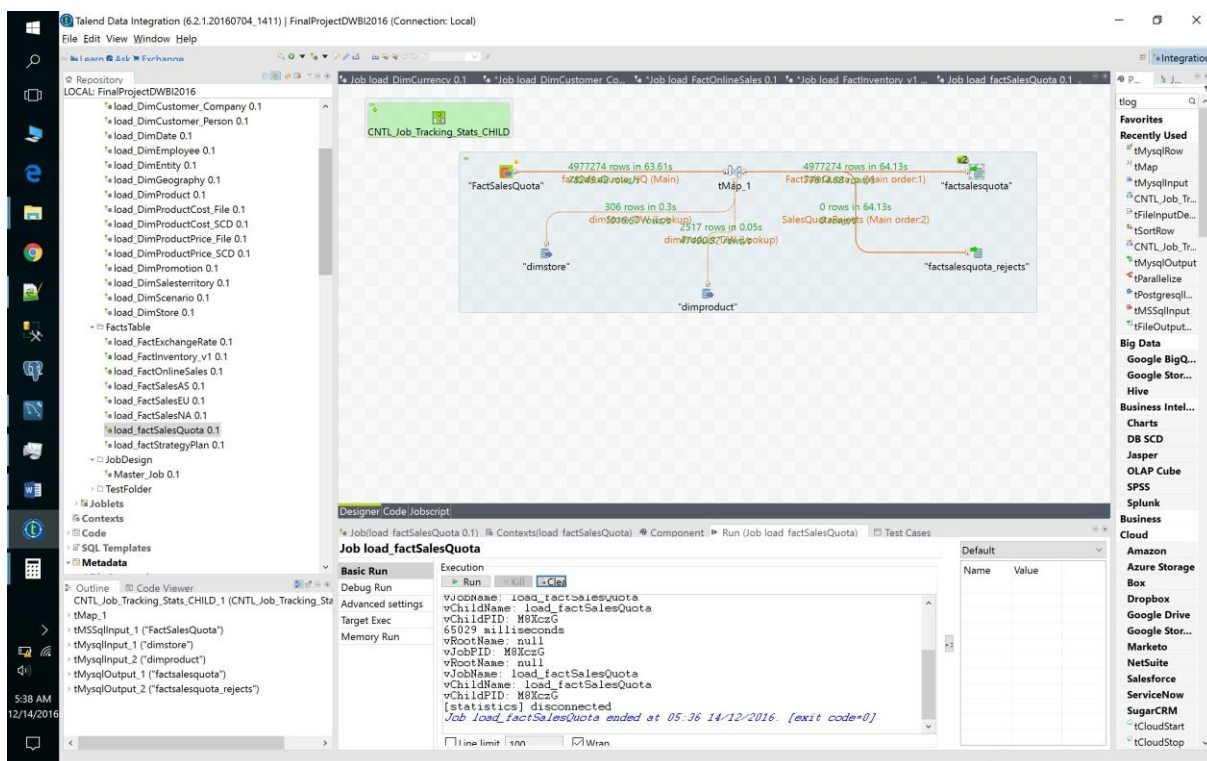
[statistics] disconnected

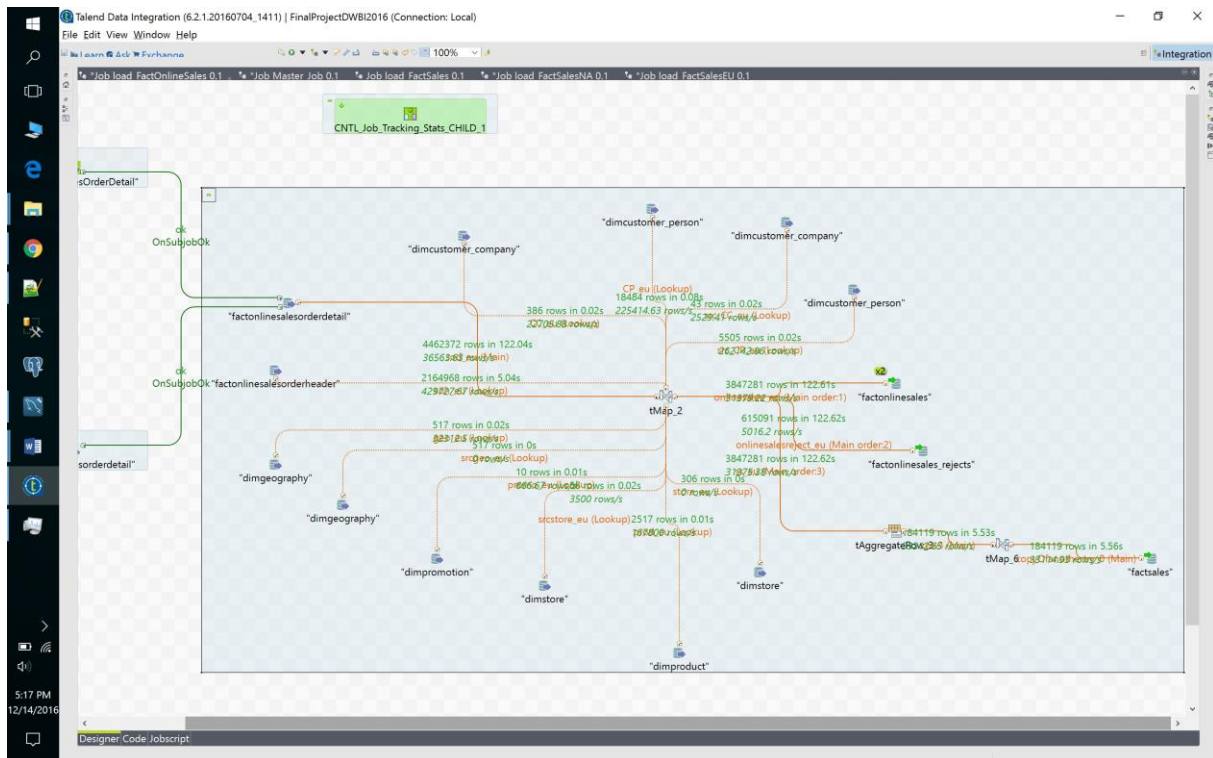
Job load_factStrategyPlan ended at 06:04 14/12/2016. [exit code=0]

18. FactProductInventory

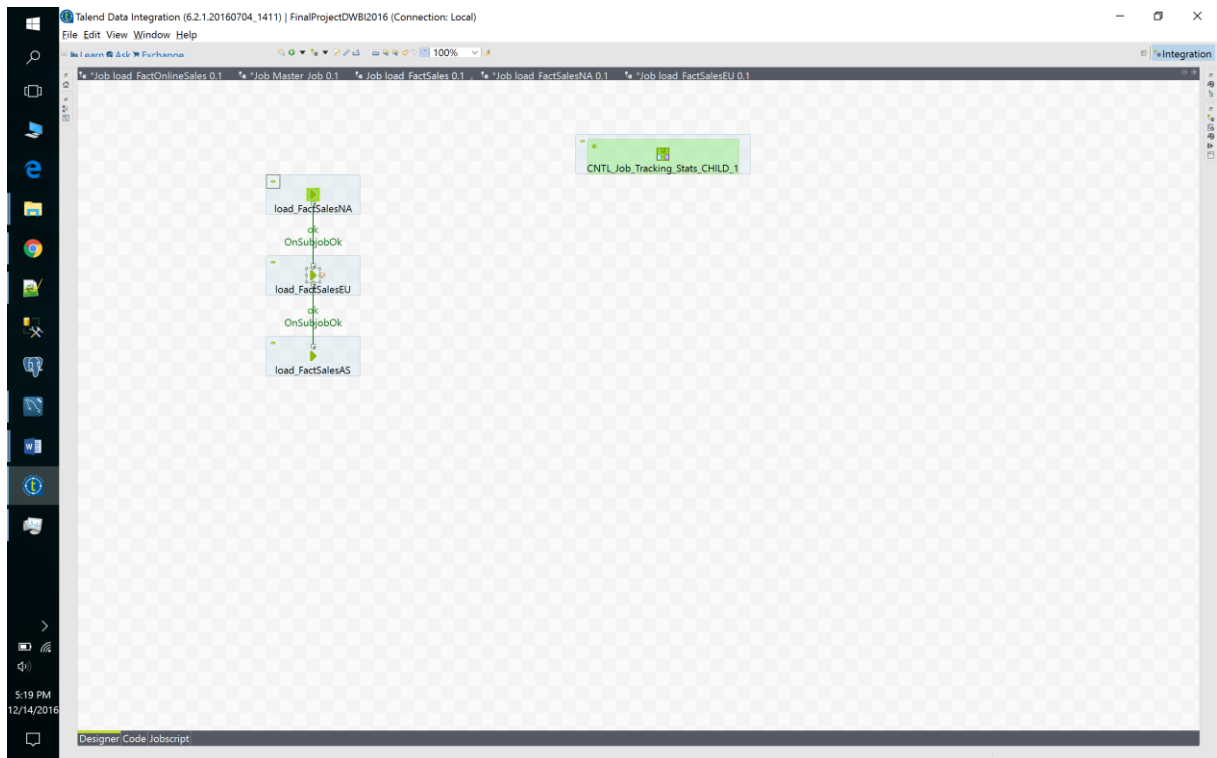
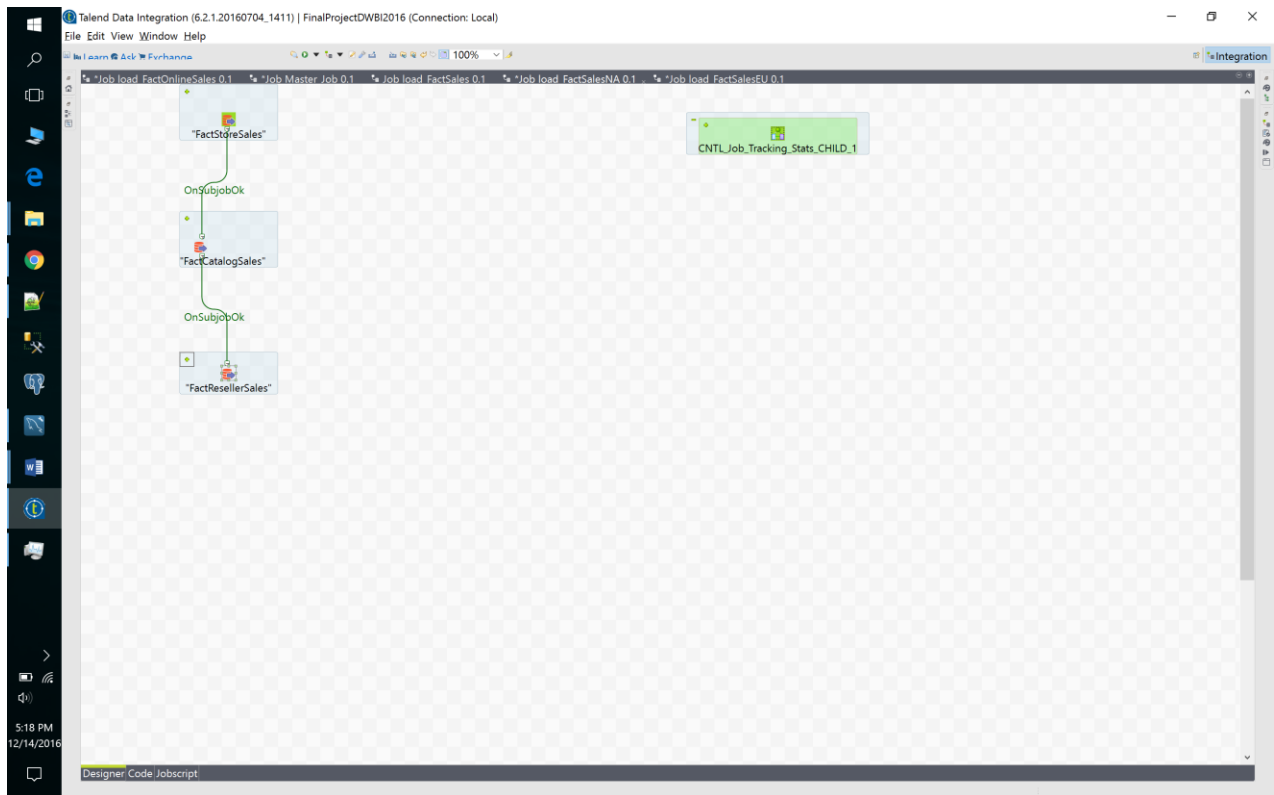


19. FactSalesQuota

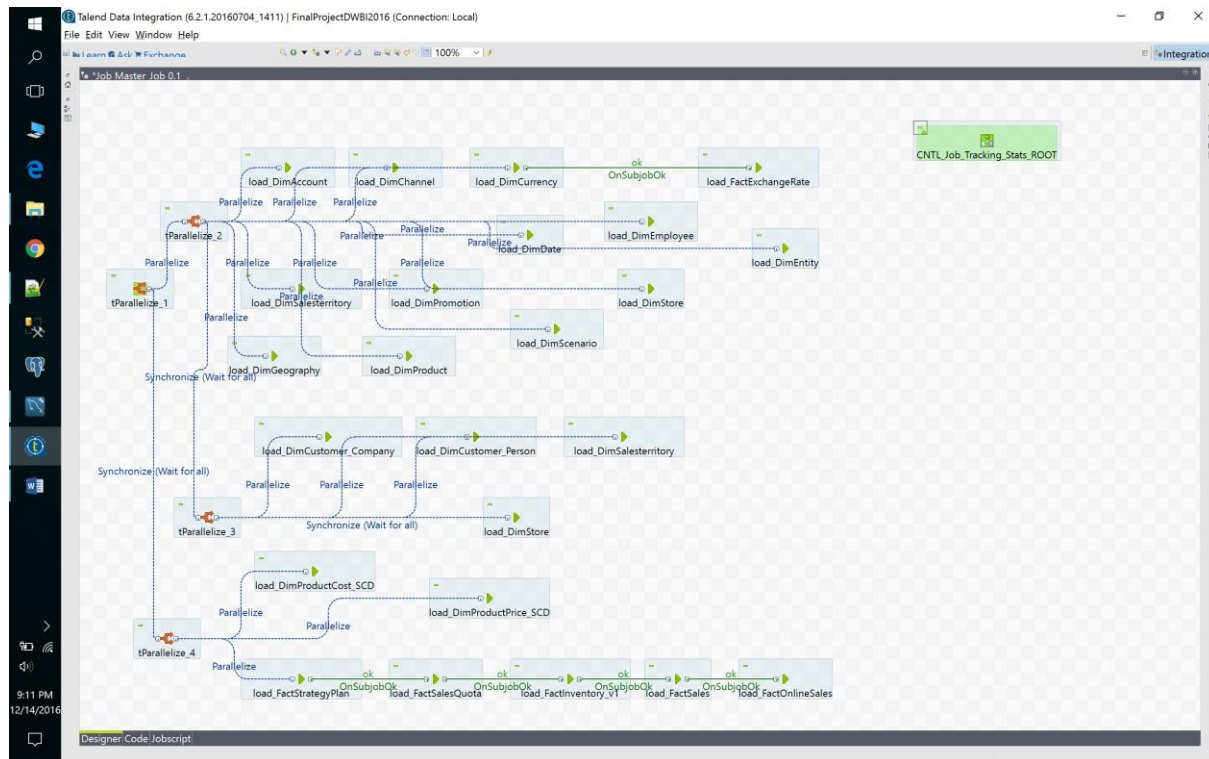


[illegible]

22. FactSales

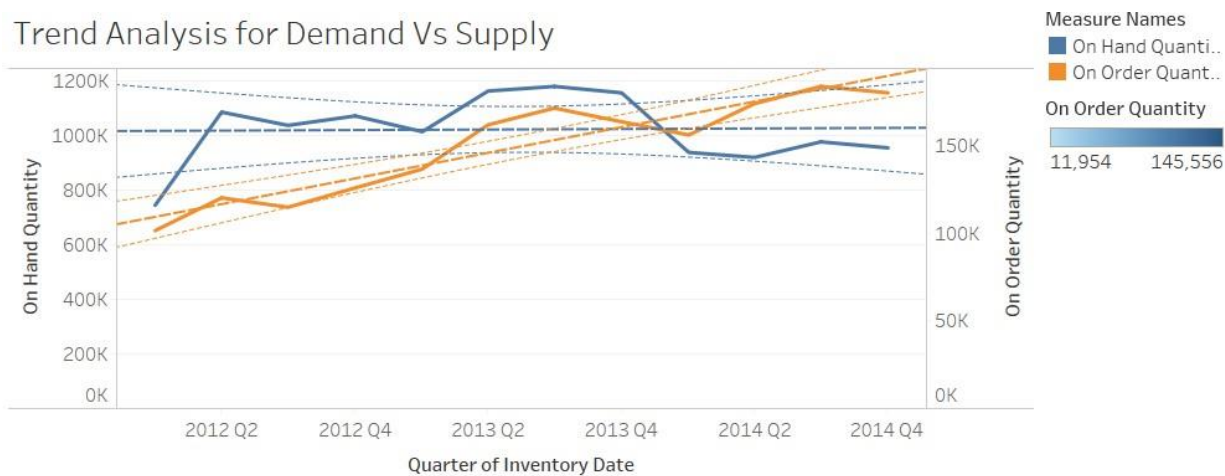


Master Job Screenshot

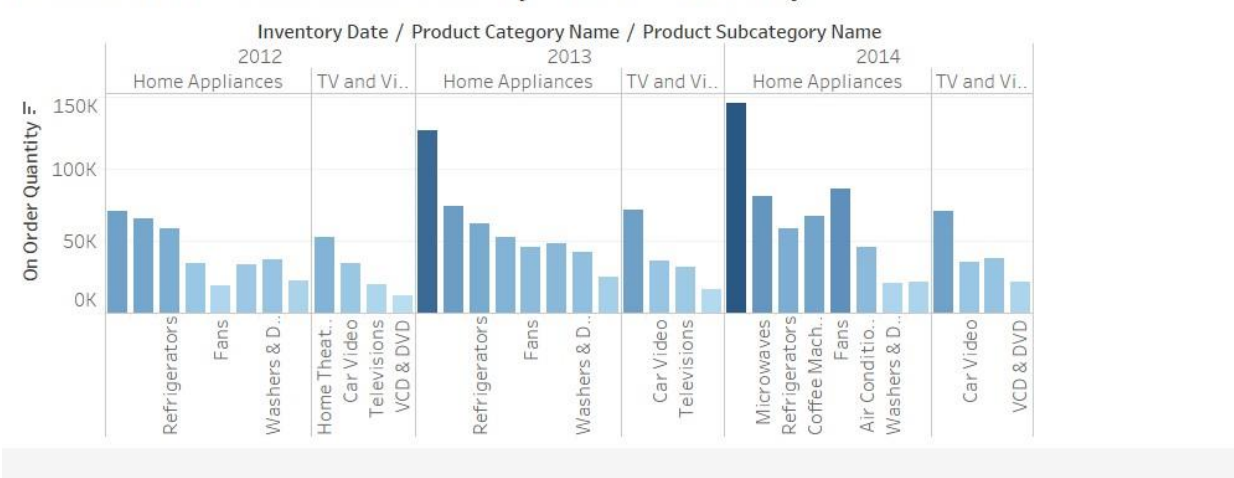


BI Dashboard Screenshots

Trend Analysis for Demand Vs Supply



Period Over Period onOrderSales by Product Hierarchy



Promotion Impact Analysis On Sales And Profit Margins



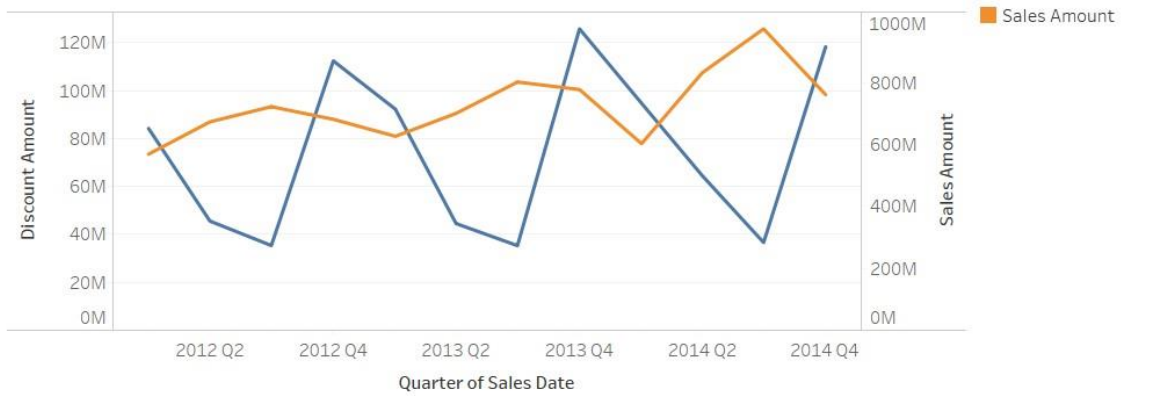
Period Over Period Analysis for Sales with Discount



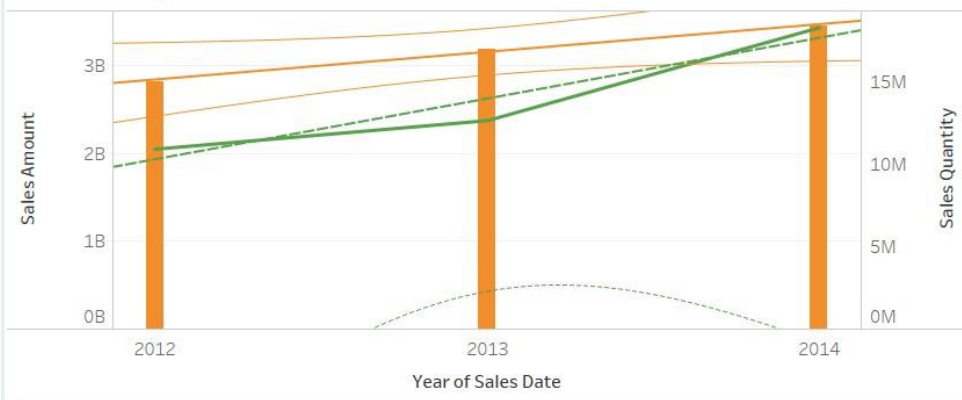
Sales BY Geo



Period Over Period Analysis for Sales & Discount



Trend Analysis For Sales



Geo Map For Inventory



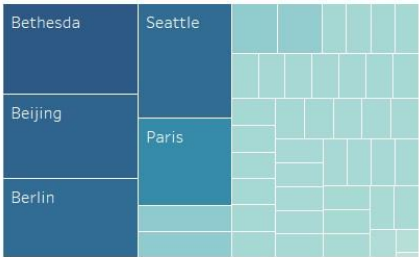
Ranking



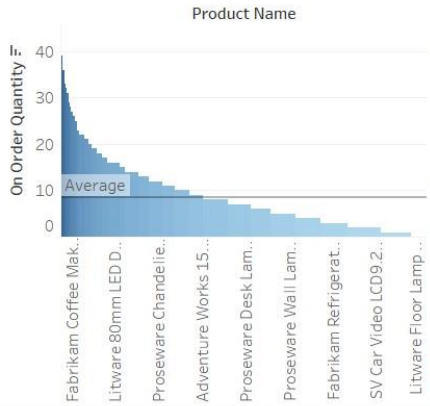
On Hand Quantity
12,239 1M

- City
- Annapolis
 - Baltimore
 - Bamberg
 - Beijing
 - Berlin
 - Bethesda
 - Cologne
 - Düsseldorf
 - Granger
 - Guangzhou
 - Kennewick
 - Lyon
 - Marseille
 - Middle River
 - Munich
 - Nantes

Contribution Analysis of Inventory by City



Comparison for Inventory



Product Category N...

- ☒ (All)
- ☒ Home Appli...
- ☒ TV and Video

On Order Quantity
0 43

Store Name

- City
- Annapolis
 - Beijing
 - Berlin

Promotion Analysis



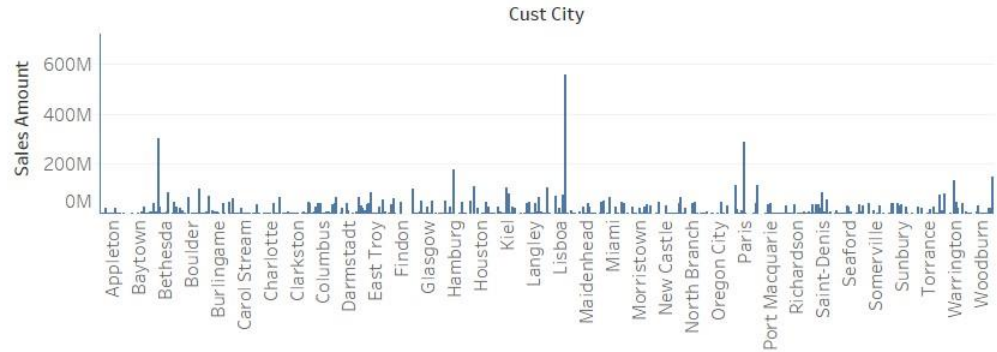
Promotion Discount..

- 0
- 0.05
- 0.07
- 0.1
- 0.15
- 0.2

Promotion Name

- Asian Holiday P..
- Asian Spring Pr..
- Asian Summer ..
- European Back-..
- European Holid..
- European Sprin..
- No Discount
- North America ..
- North America ..
- North America ..

Promotion Analysis by Region



B2C Demographics

Education	
Bachelors	351,189,140,000
Graduate Degree	149,435,410,000
High School	351,499,610,000
Partial College	468,571,870,000
Partial High School	79,608,460,000



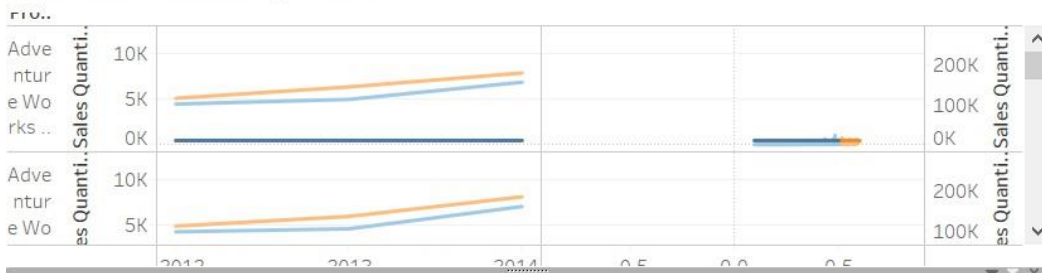
B2B Annual Online Sales



Sales Operational Analysis By Store



Sales Operational Analysis By Product by year for Gross Margin Pct and Sales Quantity Quota



Sales Operational Analysis By Geo

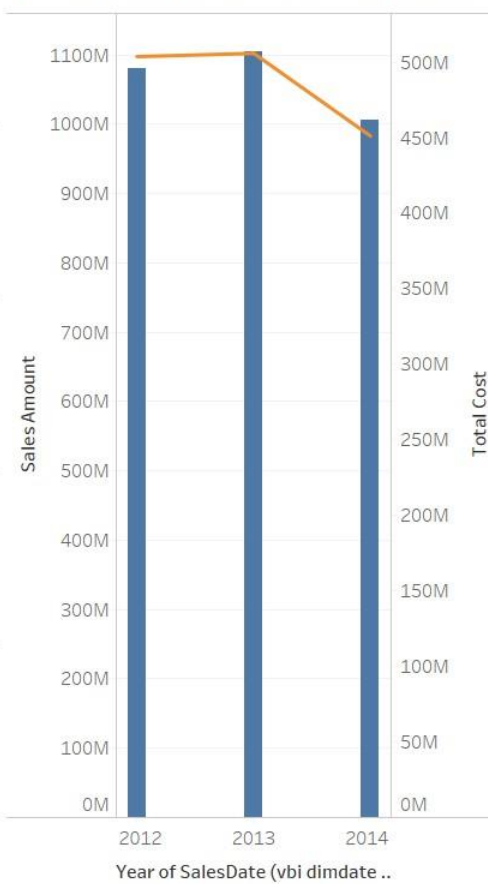


Trend Analysis For Product based on Customer Satisfaction By Channel

Channel ...



Trend Analysis for Sales By Brand



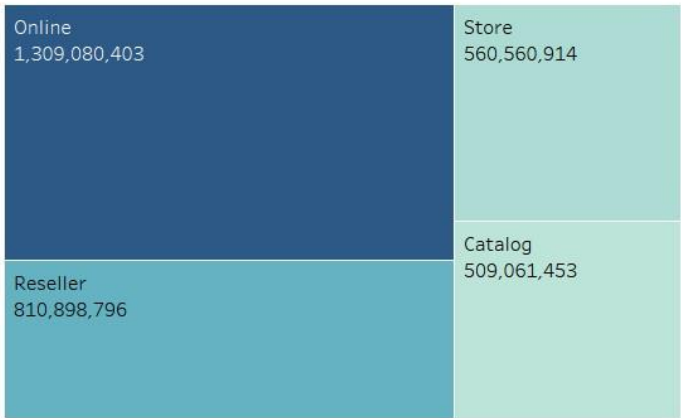
Product Category N...

- ☒ (All)
- ☒ Home Applian...
- ☒ TV and Video

Brand Name

- ☒ (All)
- ☒ Adventure Wo...
- ☒ Contoso
- ☒ Fabrikam
- ☒ Litware
- ☒ Northwind Tr...
- ☒ Proseware
- ☒ Southridge Vi...
- ☒ Wide World I...

Contribution Analysis for Sales by Channel



Product Category Na..

- ☒ (All)
- ☒ Home Appliances
- ☒ TV and Video

Channel Name

- ☒ Online
- ☒ Reseller
- ☒ Store

Sales Amount

509M 1B

Sales Amount

- 3,352,785
- 200,000,000
- 400,000,000
- 687,852,004

Continent Name

- ☒ (All)
- ☒ Asia
- ☒ Europe
- ☒ North America

Sales Quantity

290,953 1M

Drill Down For Each Channel By Region



Contribution Analysis for Sales Quantity By Product

