

ASSIGNMENT 10

SAP BW/BO Exercise

Exercise: Data Visualization Using SAP Lumira Server

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Date: 11/1/17

1) Create an Analytic View

A. Create Analytical View for IPADPRO, name it AV_IPADPRO_473 ,save and activate.

Paste the screenshot of the message:

The screenshot shows the SAP HANA Web-based Development Workbench: Editor interface. The central workspace displays a Semantic model diagram with a 'Star Join' and 'Projection_1' node. The right-hand pane shows the 'Columns(4,0)' table with the following data:

Type	Key	Name	Label	Aggregati...	Variable	La
		ID	ID	COUNT		
		TA_TOKEN	TA_TOKEN			

The bottom status bar displays a log of successful operations:

```
[21:25:41] Package /GBI_473/TwitterLoad_473 created successfully.
[21:26:16] Selected files copied successfully.
[21:26:31] [Data Preview] Result limited to 1000 row(s) due to value configured in the Catalog settings
[21:27:58] File /GBI_473/SALES_PLAN_473.hdbtable saved successfully.
[21:27:58] Error while activating /GBI_473/SALES_PLAN_473.hdbtable:
[21:28:06] [GBI_473/SALES_PLAN_473.hdbtable] Syntax error for table definition: Syntax error: unknown variable name: <?xml:row: 1 column: 6
[21:29:06] File /GBI_473/TwitterLoad_473/AV_IPADPRO_473.calculationview deleted successfully.
[21:29:13] File /GBI_473/TwitterLoad_473/AV_IPADPRO_473.calculationview deleted successfully.
[21:30:52] File /GBI_473/TwitterLoad_473/AV_IPADPRO_473.calculationview saved & activated successfully.
[21:32:32] File /GBI_473/TwitterLoad_473/AV_IPADPRO_473.calculationview saved & activated successfully.
```

B. Execute Analytical View AV_IPADPRO_473 .

Paste the screenshot of the OUTPUT:

ID	TA_LANGUAGE	TA_TOKEN	TA_TYPE
1	ja	おまつりたんアパタ研究室	NOUN_GROUP
2	ja	データ保護	NOUN_GROUP
3	ja	アパタ	NOUN_GROUP
4	ja	採用実績	NOUN_GROUP
5	ja	採用実績	NOUN_GROUP
6	ja	https://t.co/9DA9deW	URI/URL
7	ja	@chiya62	SOCIAL_MEDIA/ID_TWITTER
8	ja	増合修理費	NOUN_GROUP
9	th	1v1	NOUN_GROUP
10	ja	@tadayumi	SOCIAL_MEDIA/ID_TWITTER
11	ja	#procreate	SOCIAL_MEDIA/TOPIC_TWITTER
12	ja	ipadpro	SOCIAL_MEDIA/TOPIC_TWITTER

Log messages at the bottom of the screenshot:

```

[21:26:40] Selection times copied successfully.
[21:26:31] (Data Preview) Result limited to 1000 row(s) due to value configured in the Catalog settings
[21:27:58] File /GBL_473/SALES_PLAN_473.hdbtable saved successfully.
[21:27:58] Error while activating /GBL_473/SALES_PLAN_473.hdbtable:
[GBL_473/SALES_PLAN_473.hdbtable] Parse error for table definition: Syntax error: unknown variable name: <?xml:row:1 column:6
[21:29:06] File /GBL_473/TwitterLoad_473/AV_IPADPRO_473.calculationview deleted successfully.
[21:29:13] File /GBL_473/TwitterLoad_473/AV_SURFACEPRO4_473.calculationview deleted successfully.
[21:30:52] File /GBL_473/TwitterLoad_473/AV_IPADPRO_473.calculationview created successfully.
[21:32:32] File /GBL_473/TwitterLoad_473/AV_IPADPRO_473.calculationview saved & activated successfully.
[21:33:09] (Data Preview) Result limited to 1000 row(s) due to value configured in the Catalog settings
  
```

C. Create Analytical View for SURFACEPRO4, name it AV_SURFACEPRO4_473 , save and activate.

Paste the screenshot of the message:

Type	Key	Name	Label	Aggregat...	Variable	La
		ID	ID	COUNT		
		TA_TOKEN	TA_TOKEN			

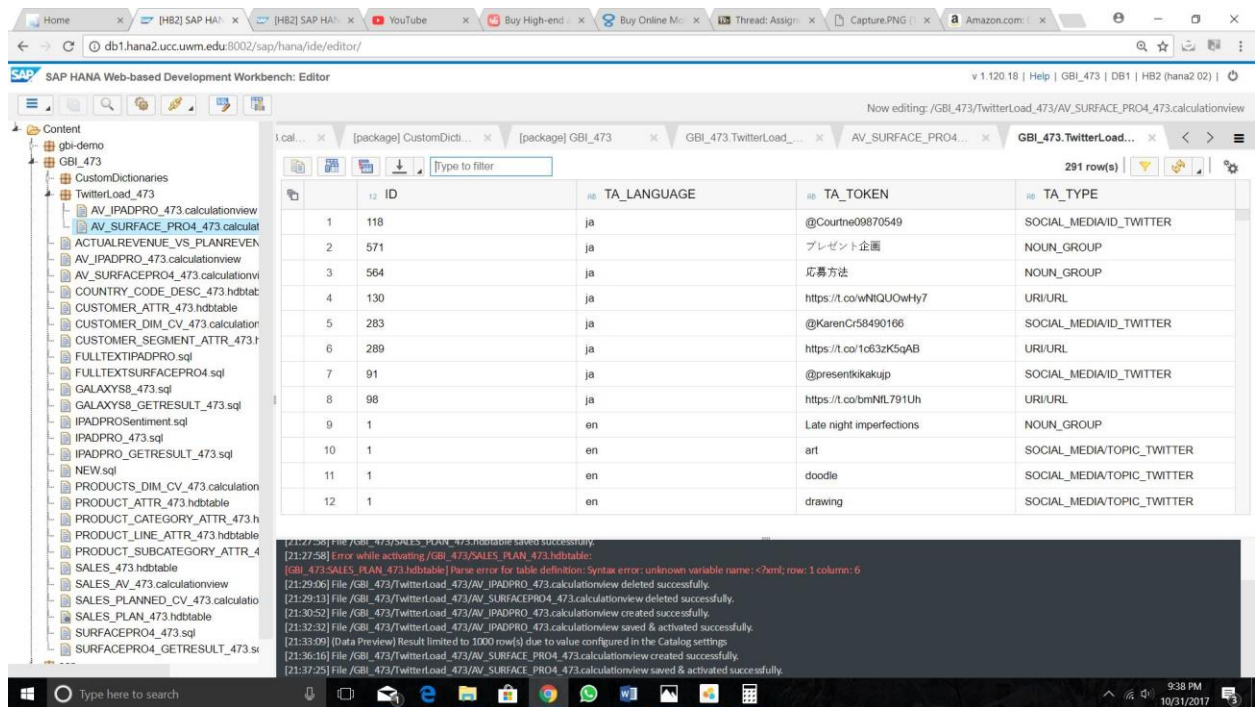
Log messages at the bottom of the screenshot:

```

[21:27:58] File /GBL_473/SALES_PLAN_473.hdbtable saved successfully.
[21:27:58] Error while activating /GBL_473/SALES_PLAN_473.hdbtable:
[GBL_473/SALES_PLAN_473.hdbtable] Parse error for table definition: Syntax error: unknown variable name: <?xml:row:1 column:6
[21:29:06] File /GBL_473/TwitterLoad_473/AV_IPADPRO_473.calculationview deleted successfully.
[21:29:13] File /GBL_473/TwitterLoad_473/AV_SURFACEPRO4_473.calculationview deleted successfully.
[21:30:52] File /GBL_473/TwitterLoad_473/AV_IPADPRO_473.calculationview created successfully.
[21:32:32] File /GBL_473/TwitterLoad_473/AV_IPADPRO_473.calculationview saved & activated successfully.
[21:33:09] (Data Preview) Result limited to 1000 row(s) due to value configured in the Catalog settings
[21:36:16] File /GBL_473/TwitterLoad_473/AV_SURFACEPRO4_473.calculationview created successfully.
[21:37:25] File /GBL_473/TwitterLoad_473/AV_SURFACEPRO4_473.calculationview saved & activated successfully.
  
```

D. Execute Analytical View AV_IPADPRO_473 .

Paste the screenshot of the OUTPUT:

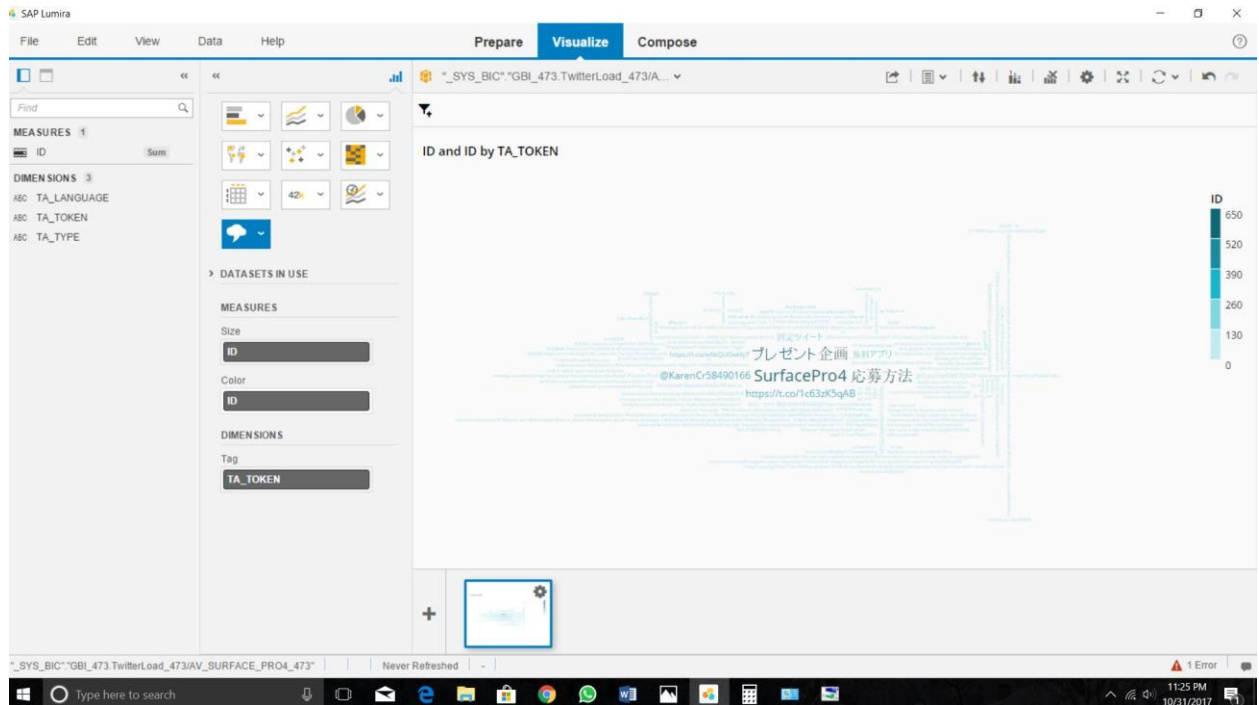


ID	TA_LANGUAGE	TA_TOKEN	TA_TYPE
1	ja	@Courtne09870549	SOCIAL_MEDIA/ID_TWITTER
2	ja	プレゼント企画	NOUN_GROUP
3	ja	応募方法	NOUN_GROUP
4	ja	https://t.co/wNlQUOwh7	URI/URL
5	ja	@KarenCr58490166	SOCIAL_MEDIA/ID_TWITTER
6	ja	https://t.co/1c63zK5gAB	URI/URL
7	ja	@presentkikakusp	SOCIAL_MEDIA/ID_TWITTER
8	ja	https://t.co/bmNl791Uh	URI/URL
9	en	Late night imperfections	NOUN_GROUP
10	en	art	SOCIAL_MEDIA/TOPIC_TWITTER
11	en	doodle	SOCIAL_MEDIA/TOPIC_TWITTER
12	en	drawing	SOCIAL_MEDIA/TOPIC_TWITTER

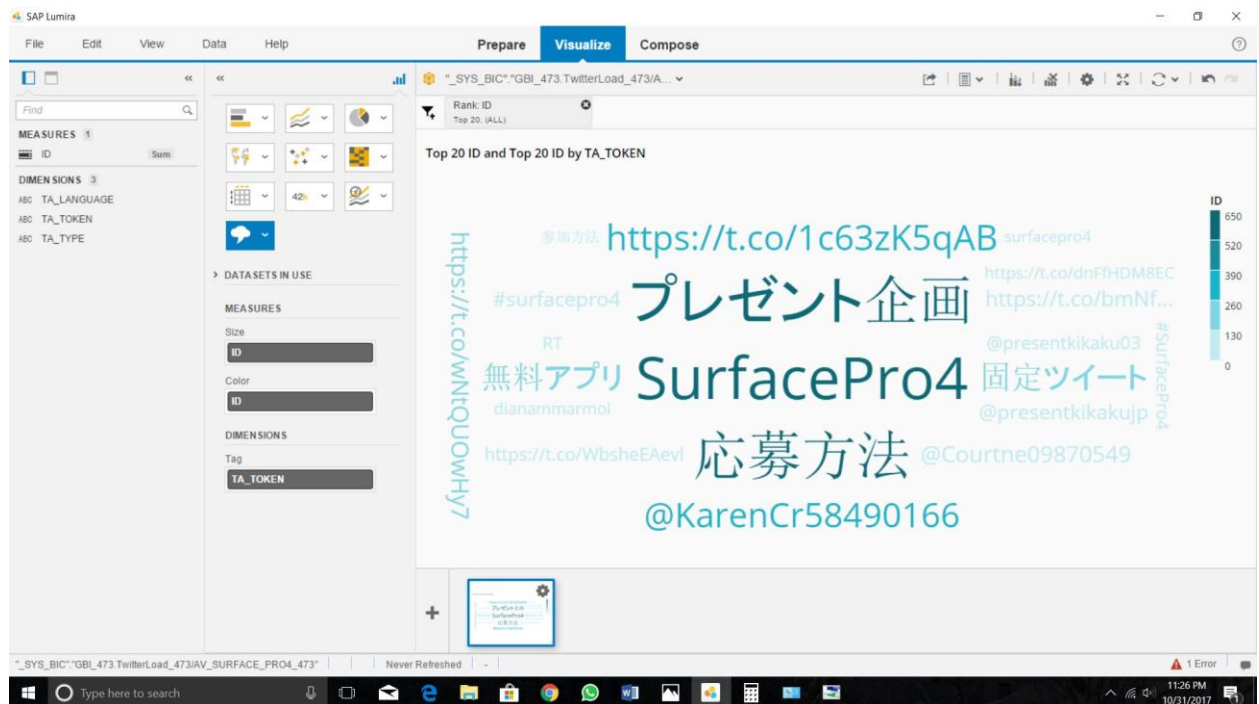
2) Create a Tag Cloud with SAP Lumira Server

A. Create a Tag Cloud for Surface Pro 4, from Analytical View AV_SURFACEPRO4_473.

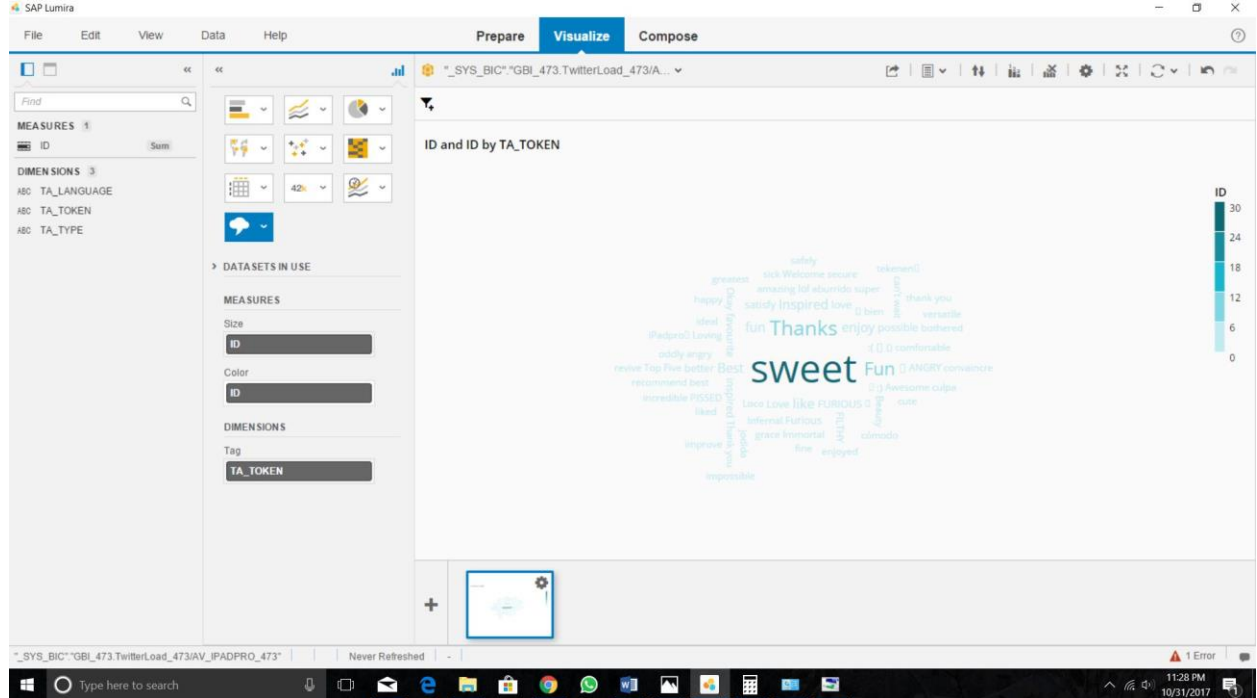
Paste your screenshot here.



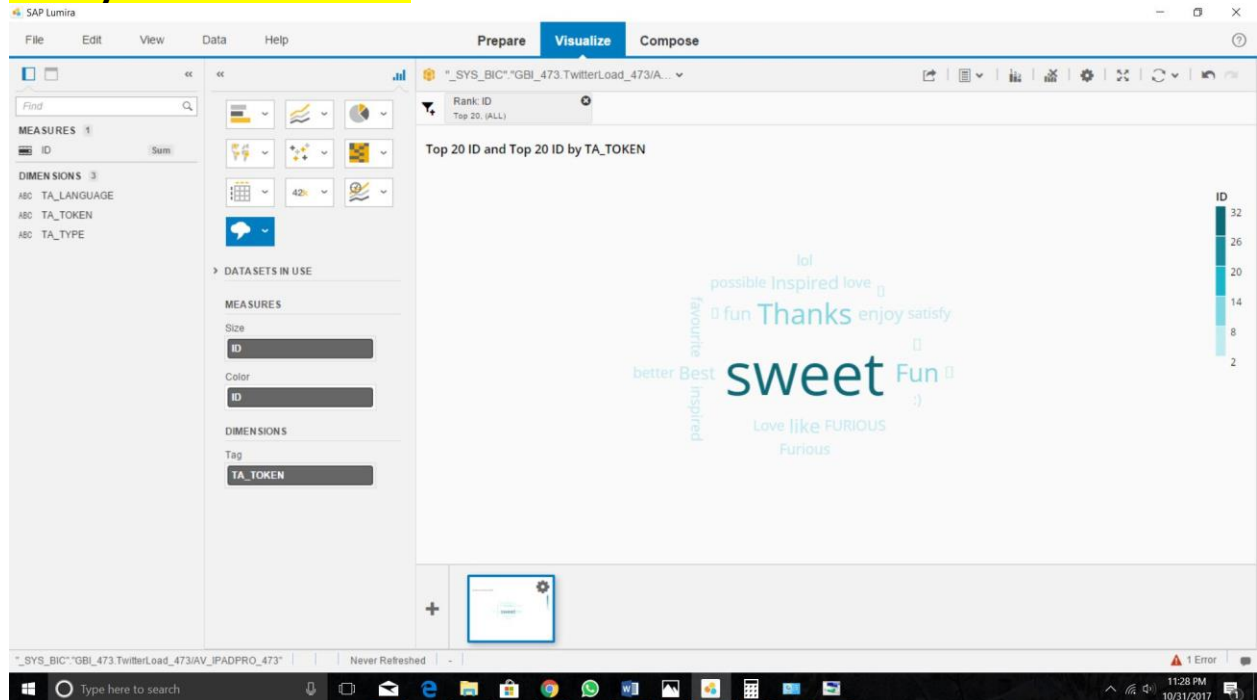
- B. Show the top 20 sentiments for SURFACEPRO4 using ranking for the column "Id".
Paste your screenshot here.



C. Create a Tag Cloud for IPADPRO, from Analytical View AV_IPADPRO_473.
Paste your screenshot here.

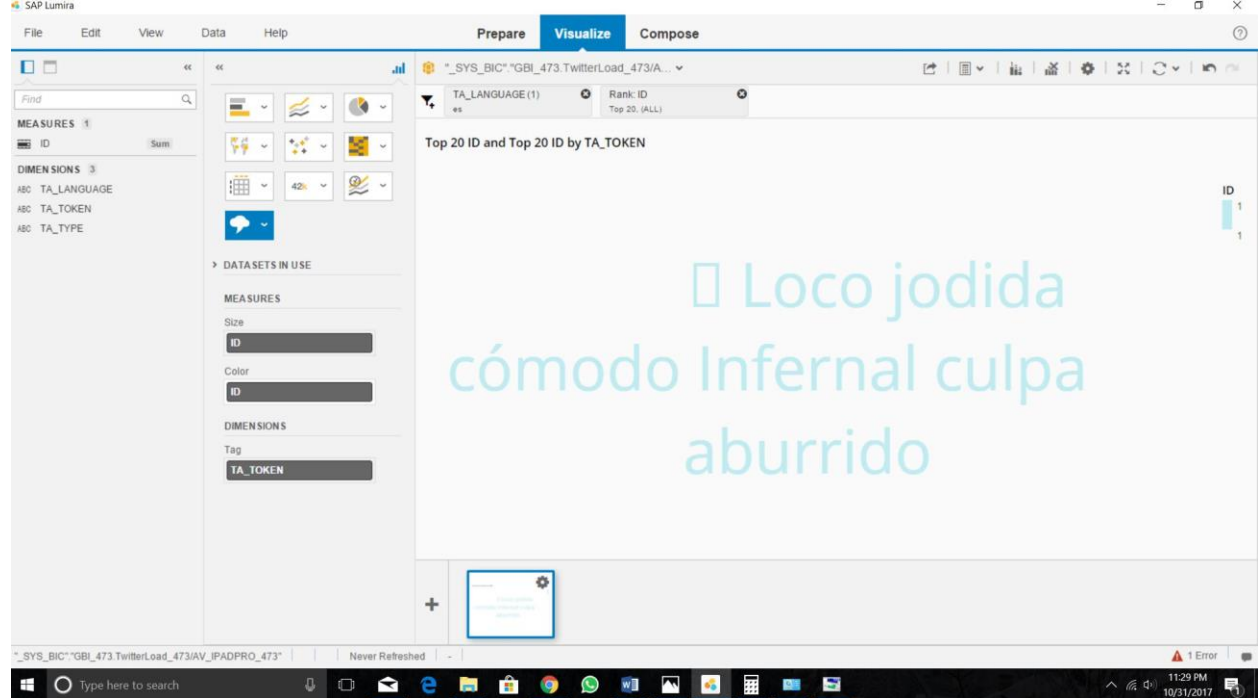


D. Show the top 20 sentiments for IPADPRO using ranking for the column "Id".
Paste your screenshot here



E. Filter the analytic view IPADPRO for language "Spanish".

Paste your screenshot here.



F. **What sentiments are displayed after filtering the records by language and sorting it by rank.**

All are sentiments

"Culpa" which means "Guilt"

"jodido" which means "weak"

"Comodo" which means "Comfortable"

"Loco" which means "Insane"

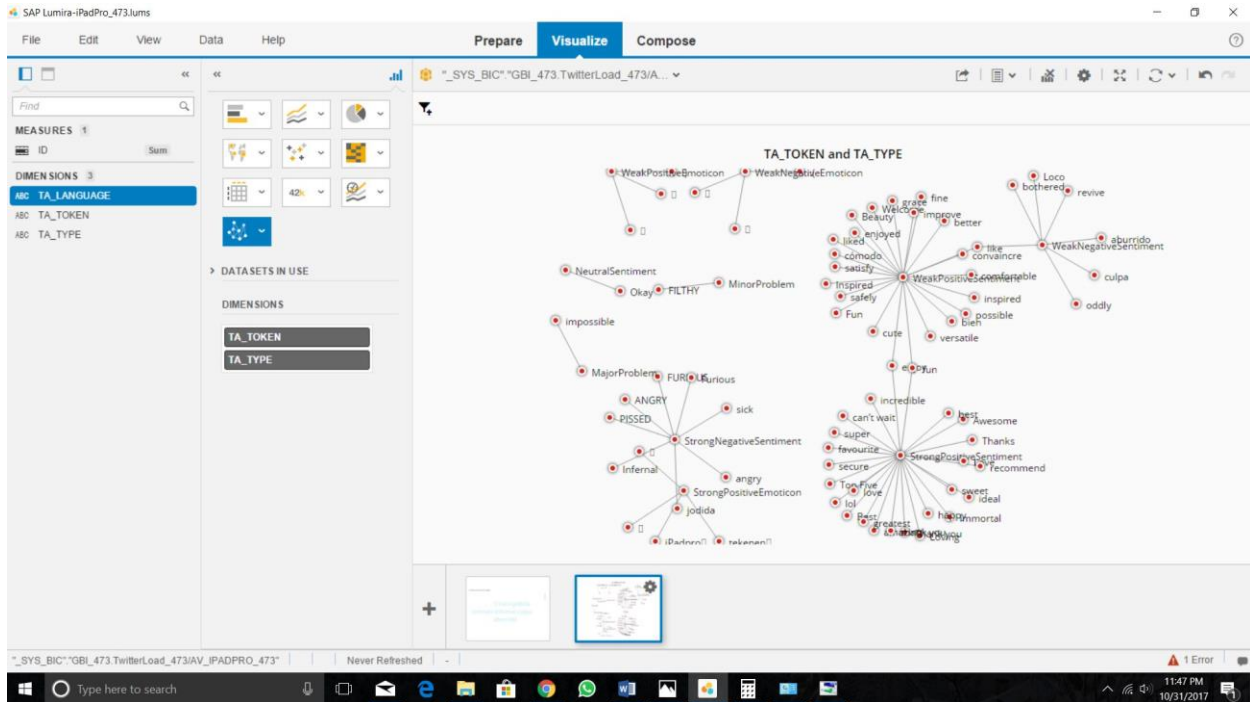
"Infernal" Which means "Fiendish"

"Aburrido" which means "bored"

3) Create a Network Chart with SAP Lumira Server

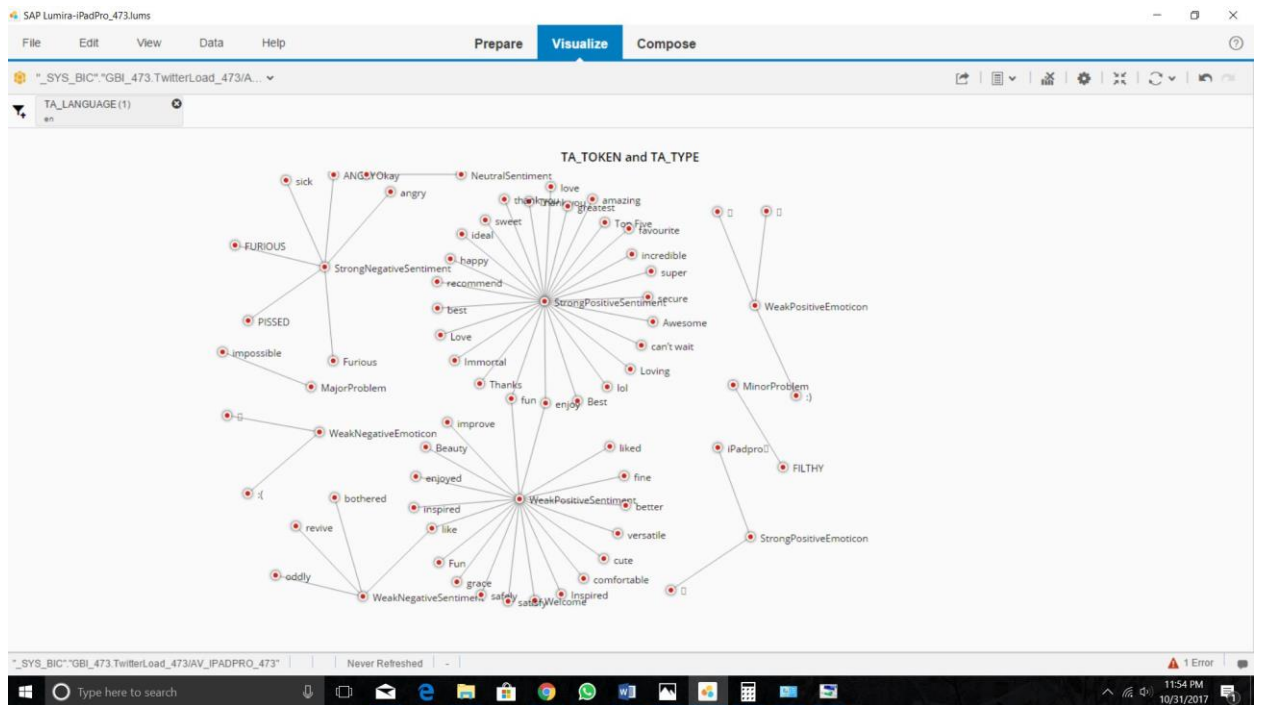
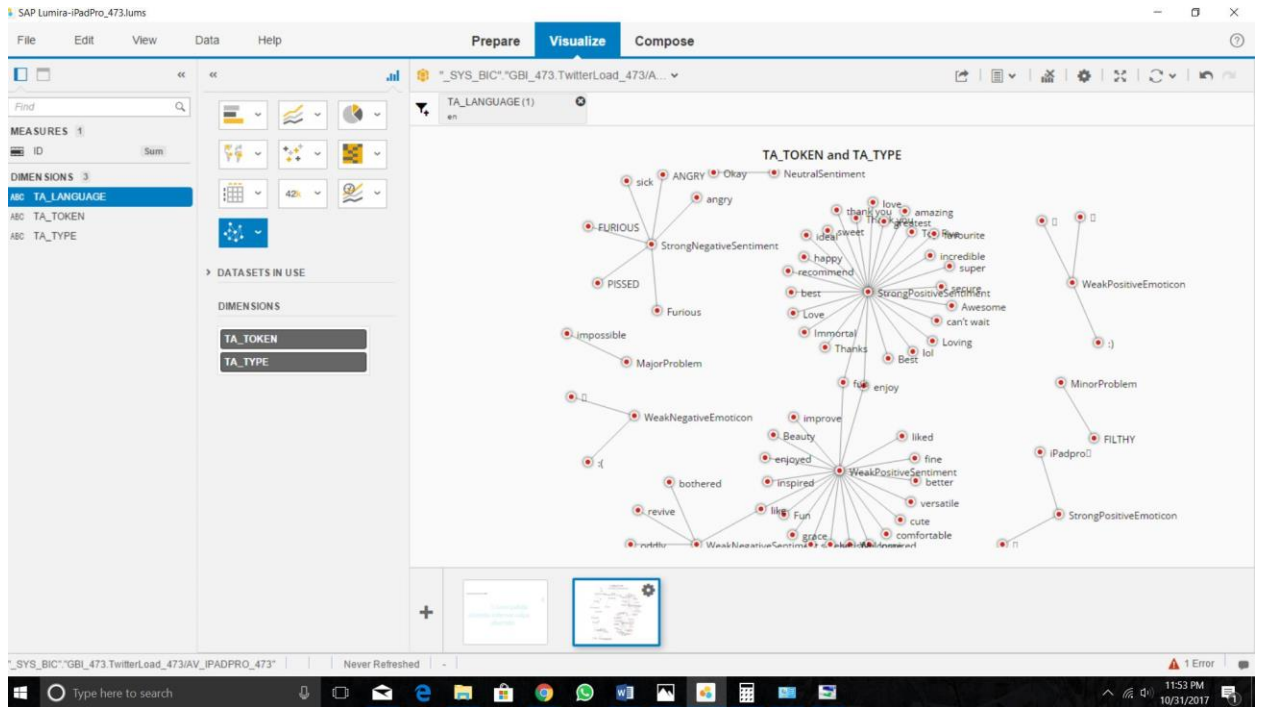
- A. Create Network Chart for IPADPRO. Drag and drop the dimension "TA_TOKEN" and "TA_TYPE" to the field under "DIMENSIONS".

Paste your screenshot here.



- B. Organize the segments that the positive sentiments are on the right side and the negative sentiments are on the left one.

Paste your screenshot here.

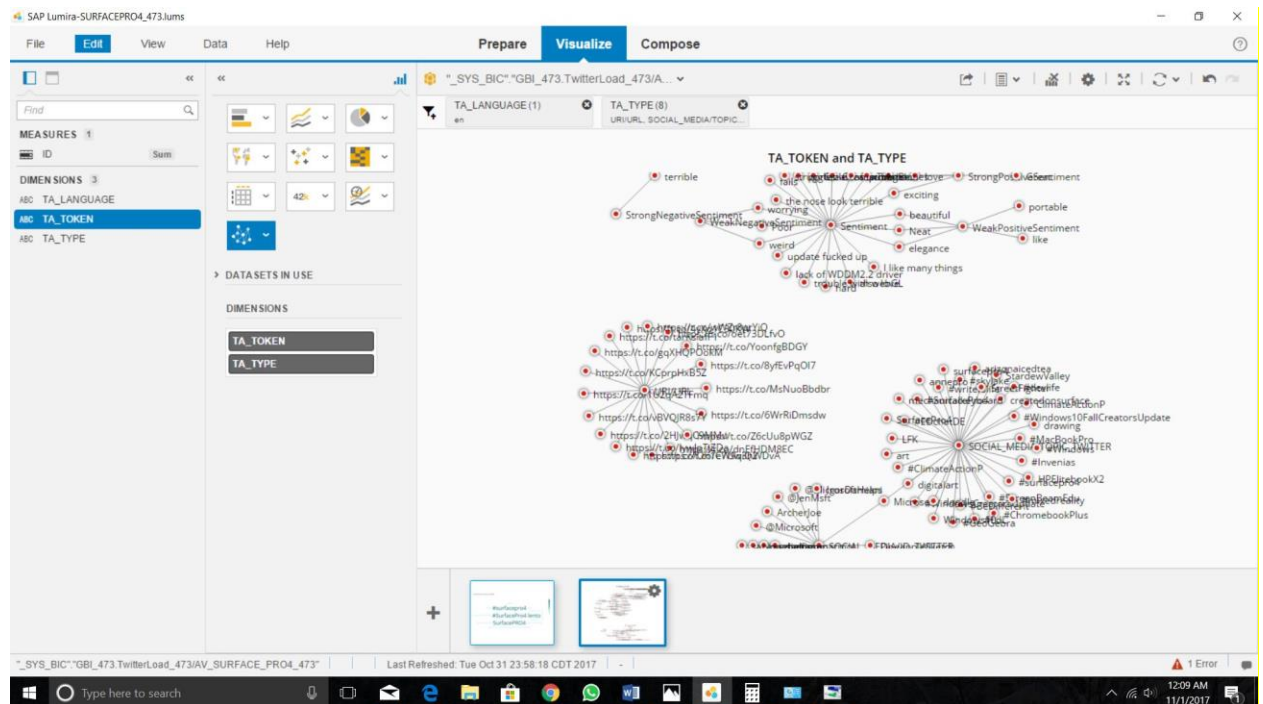


C. **Which sentiment has the maximum nodes?**

StrongPositiveSentiment has the Maximum Nodes

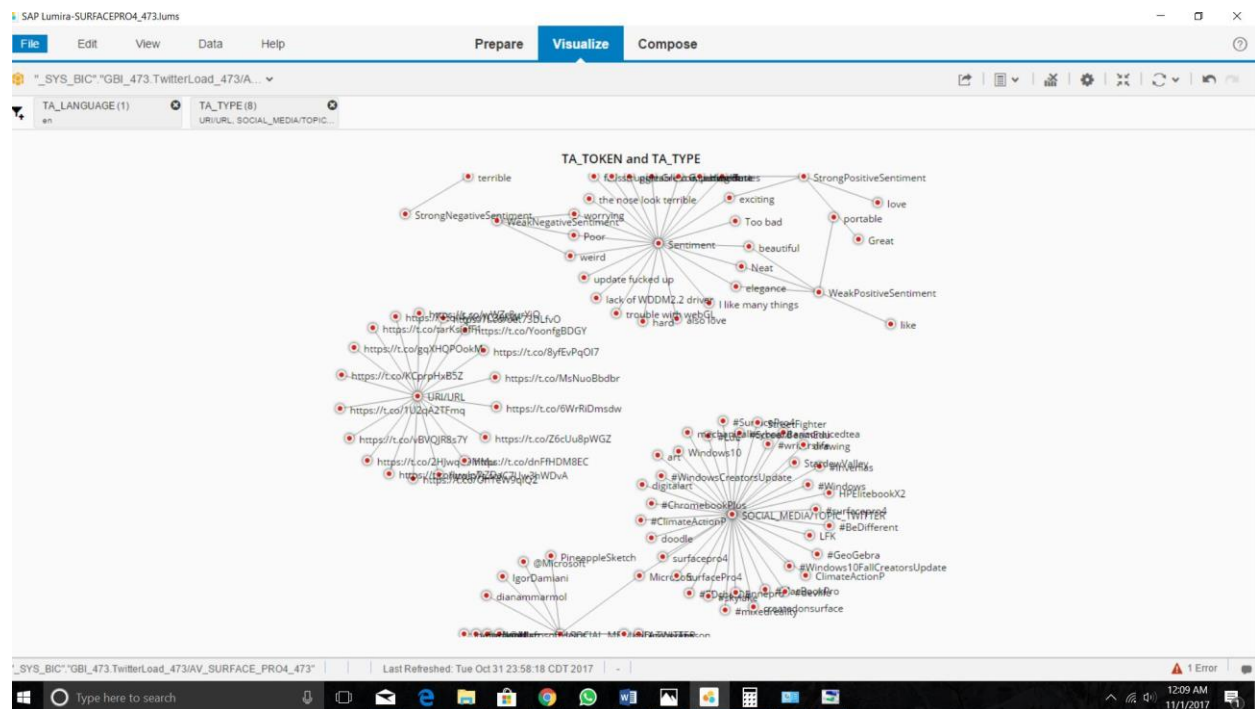
D. Create Network Chart for SURFACEPRO4. Drag and drop the dimension "TA_TOKEN" and "TA_TYPE" to the field under "DIMENSIONS".

Paste your screenshot here.



E. Organize the segments that the positive sentiments are on the right side and the negative sentiments are on the left one.

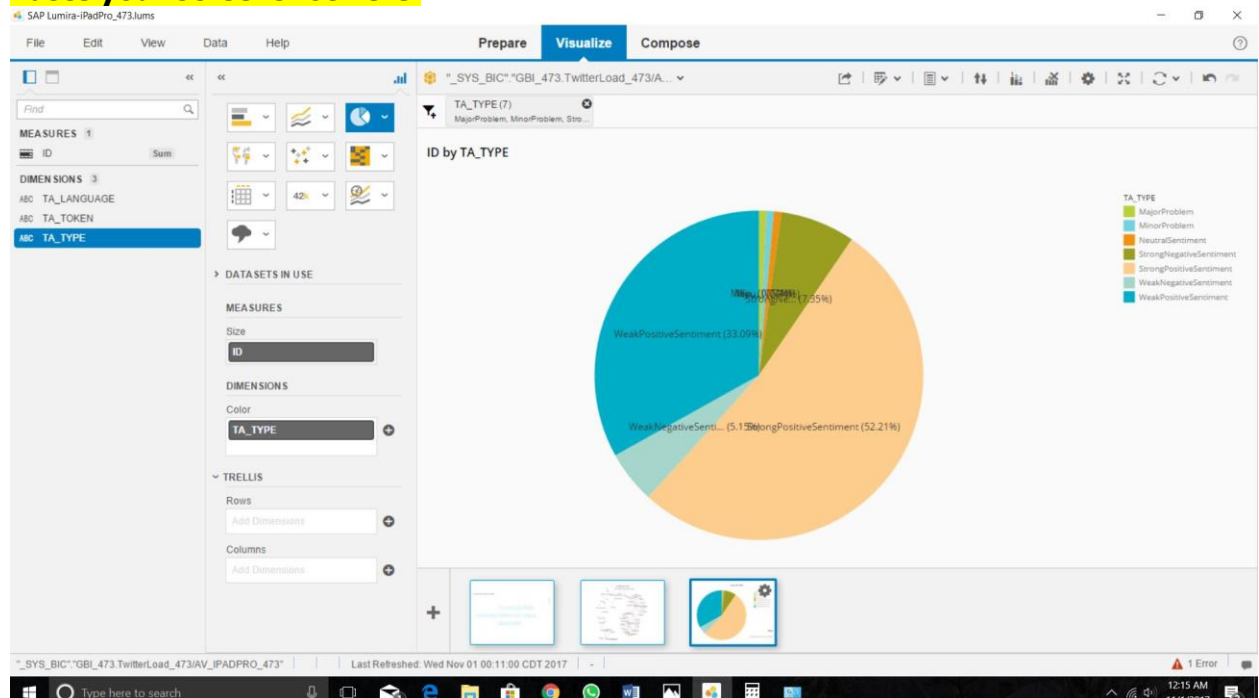
Paste your screenshot here.



4) Create a Pie Chart with SAP Lumira Server

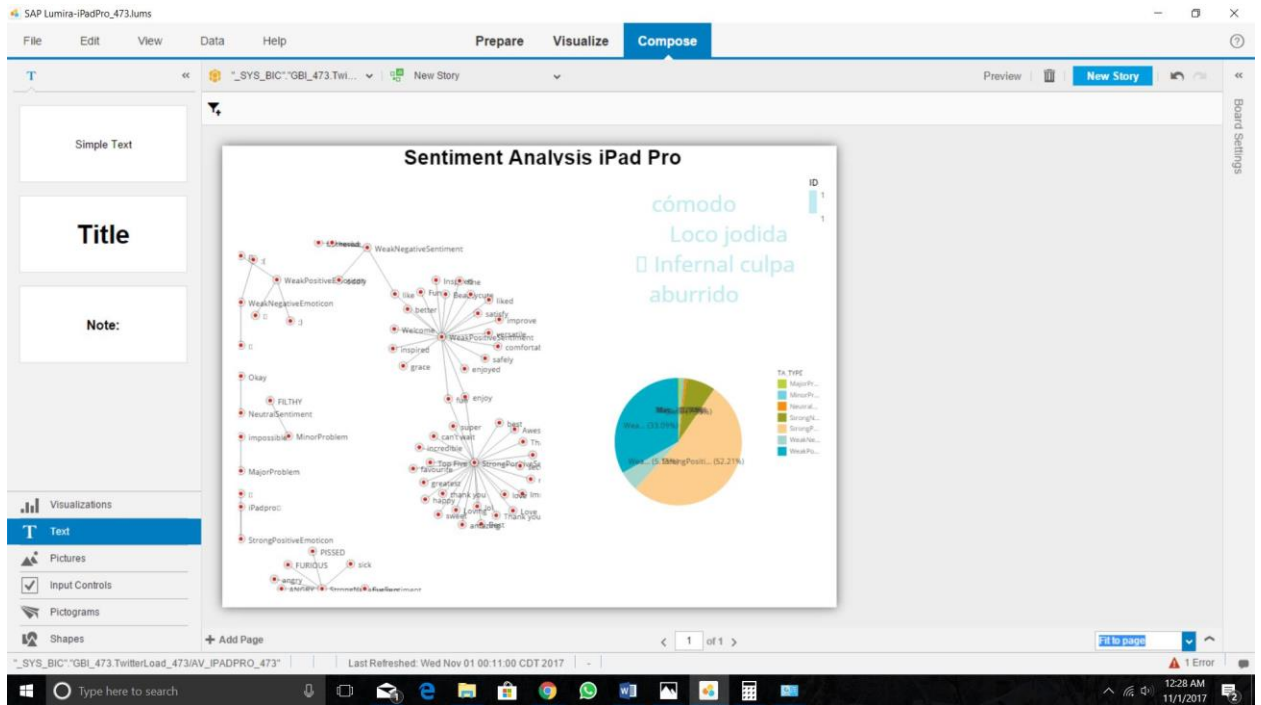
- A. Create "Pie Chart" for IPADPRO. Drag and drop the measure "Id" to the field "Size" under "MEASURES" and dimension "TA_TYPE" to the field under "DIMENSIONS". Apply filter for " TA_TYPE " and select "Major Problem", "Minor Problem", "Neutral Sentiment", "WeakPositiveSentiment", "StrongPostitiveSentiment", "WeakNegativeSentiment" and "StrongNegativeSentiment"

Paste your screenshot here.



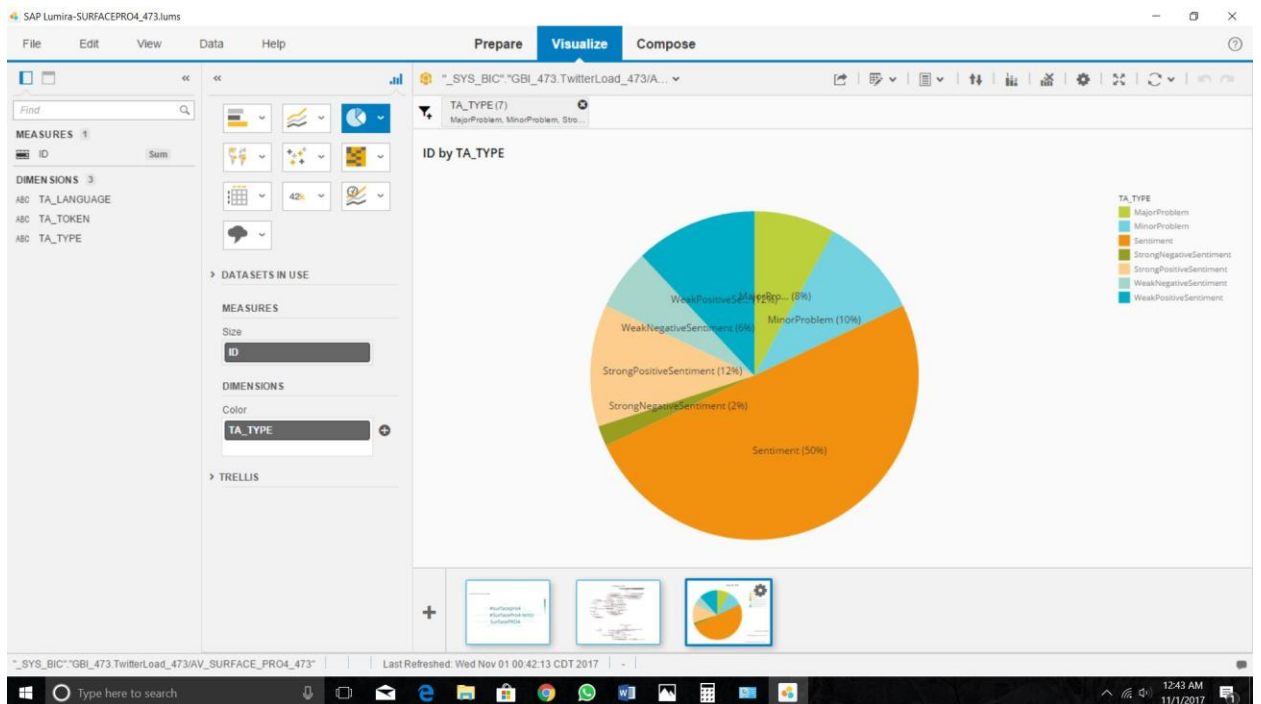
- B. Click on **COMPOSE** tab and create a "Sentiment Analysis iPad Pro" Report. Drag and drop the charts to the white page in the middle of the screen to add them to the presentation and export the file as PDF.

Paste your screenshot here.



- C. Create "Pie Chart" for SURFACEPRO4. Drag and drop the measure "Id" to the field "Size" under "MEASURES" and dimension "TA_TYPE" to the field under "DIMENSIONS". Apply filter for "TA_TYPE" and select "Major Problem", "Minor Problem", "Sentiment", "WeakPositiveSentiment", "StrongPositiveSentiment", "WeakNegativeSentiment" and "StrongNegativeSentiment".

Paste your screenshot here.



- D. Click on **COMPOSE** tab and create a “**Sentiment Analysis Surface Pro 4**” Report. Drag and drop the charts to the white page in the middle of the screen to add them to the presentation and export the file as PDF.

Paste your screenshot here.

