

Queries (SQL):

Neg_Tweets_PCT_By_Team:

The screenshot shows a SQL query editor interface. On the left, a sidebar displays a database schema with tables like `dbo.Neg_Tweets_PCT_By_Team`, `dbo.Pos_Tweets_PCT_By_Team`, `dbo.Teams`, `dbo.Tweets_Date_Dim`, and `dbo.Tweets_Fact`. The main editor area contains a query: `select * from [dbo].[Neg_Tweets_PCT_By_Team]`. Below the query, the 'Results' tab is active, displaying a table with two columns: 'Team' and 'Neg_Sentiment_PCT'. The results list ten teams and their corresponding negative sentiment percentages.

Team	Neg_Sentiment_PCT
Carolina Panthers	0.075
Houston Texans	0.1
Chicago Bears	0.2
Seattle Seahawks	0.075
Dallas Cowboys	0.225
Arizona Cardinals	0.075
Minnesota Vikings	0.25
Las Vegas Raiders	0.05
Indianapolis Colts	0.05

Pos_Tweets_PCT_By_Team:

The screenshot shows the same SQL query editor interface, but with a different query: `select * from [dbo].[Pos_Tweets_PCT_By_Team]`. The 'Results' tab displays a table with two columns: 'Team' and 'Pos_Sentiment_PCT'. The results list ten teams and their corresponding positive sentiment percentages.

Team	Pos_Sentiment_PCT
Arizona Cardinals	0.175
Seattle Seahawks	0.25
Dallas Cowboys	0.225
Minnesota Vikings	0.25
New York Jets	0.375
Atlanta Falcons	0.275
Tampa Bay Buccaneers	0.075
Las Vegas Raiders	0
New England Patriots	0.225

Teams:

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Tweets (tbva)' database is selected, and the 'dbo.Teams' table is highlighted in the object explorer. The main pane displays a query titled 'Query 1' with the following SQL statement:

```
1 select * from [dbo].[Teams]
```

Below the query editor, the 'Results' tab is active, showing a table with 8 rows and 5 columns: ID, Name, Abbreviation, Conference, and Division. The data is as follows:

ID	Name	Abbreviation	Conference	Division
1	Arizona Cardinals	ARI	NFC	West
2	Atlanta Falcons	ATL	NFC	South
3	Baltimore Ravens	BAL	AFC	North
4	Buffalo Bills	BUF	AFC	East
5	Carolina Panthers	CAR	NFC	South
6	Chicago Bears	CHI	NFC	North
7	Cincinnati Bengals	CIN	AFC	North
8	Cleveland Browns	CLE	AFC	North

Tweets_Date_Dim:

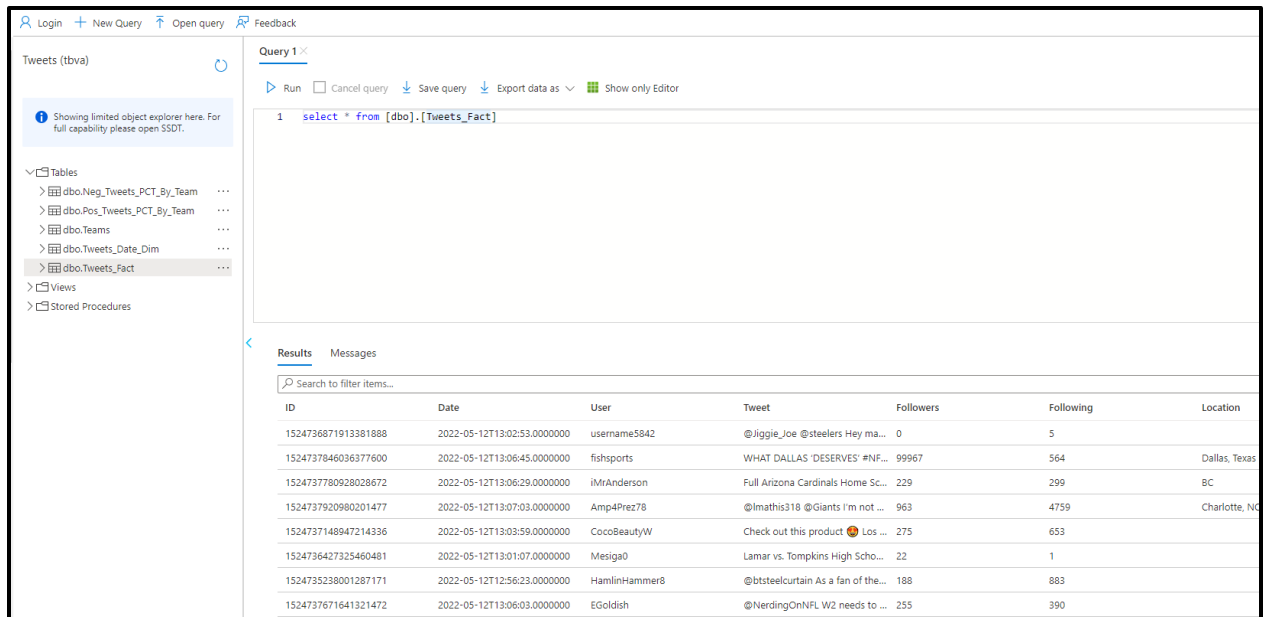
The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Tweets (tbva)' database is selected, and the 'dbo.Tweets_Date_Dim' table is highlighted in the object explorer. The main pane displays a query titled 'Query 1' with the following SQL statement:

```
1 select * from [dbo].[Tweets_Date_Dim]
```

Below the query editor, the 'Results' tab is active, showing a table with 2 columns: ID and Date. The data is as follows:

ID	Date
1524737780928028672	2022-05-12T13:06:29.0000000
1524737148947214336	2022-05-12T13:03:59.0000000
1524737846036377600	2022-05-12T13:06:45.0000000
1524737806194647040	2022-05-12T13:06:35.0000000
1524737671641321472	2022-05-12T13:06:03.0000000
1524736427325460481	2022-05-12T13:01:07.0000000
1524737920980201477	2022-05-12T13:07:03.0000000
1524737301930135552	2022-05-12T13:04:35.0000000
15247374707409633857	2022-05-12T13:03:13.0000000

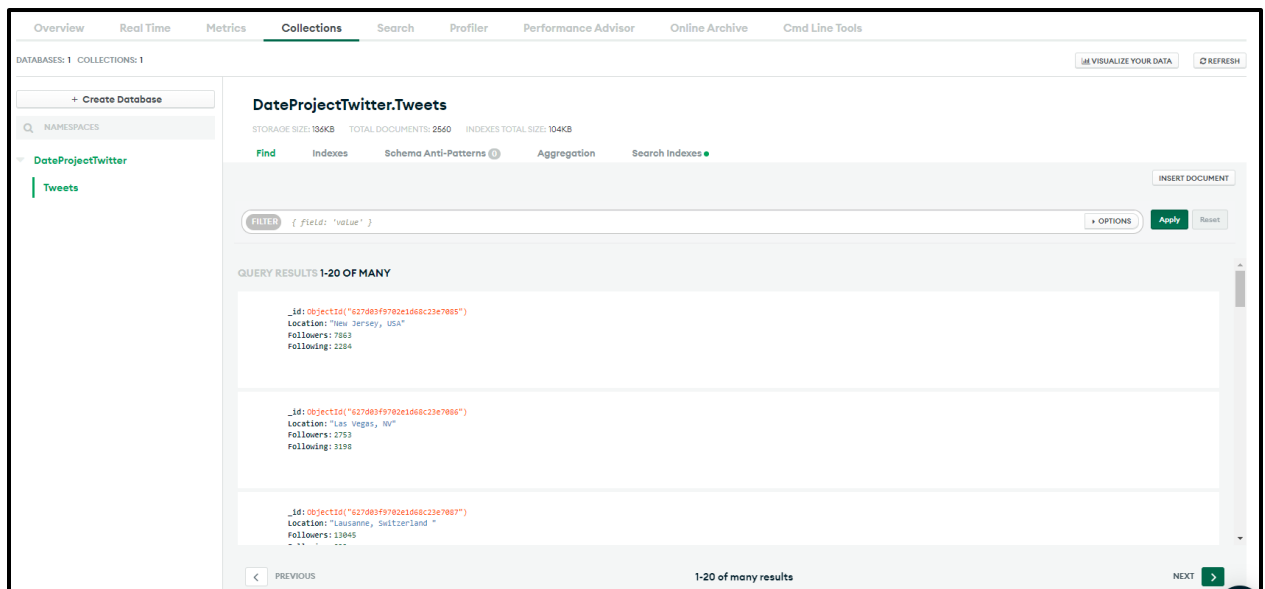
Tweets_Fact:



The screenshot shows a SQL query editor interface. On the left, a sidebar lists database objects under 'Tweets (tbva)', including tables like 'dbo.Neg_Tweets_PCT_By_Team', 'dbo.Pos_Tweets_PCT_By_Team', 'dbo.Teams', 'dbo.Tweets_Date_Dim', and 'dbo.Tweets_Fact'. The main area shows a query: `select * from [dbo].[Tweets_Fact]`. Below the query, the 'Results' tab is active, displaying a table with 7 columns: ID, Date, User, Tweet, Followers, Following, and Location. The table contains 10 rows of data.

ID	Date	User	Tweet	Followers	Following	Location
1524736871913381888	2022-05-12T13:02:53.0000000	username5842	@jiggie_Joe @steelers Hey ma...	0	5	
1524737846036377600	2022-05-12T13:06:45.0000000	fishsports	WHAT DALLAS 'DESERVES' #NF...	99967	564	Dallas, Texas
1524737780928028672	2022-05-12T13:06:29.0000000	iMrAnderson	Full Arizona Cardinals Home Sc...	229	299	BC
1524737920980201477	2022-05-12T13:07:03.0000000	Amp4Prez78	@lmathis318 @Giants I'm not ...	963	4759	Charlotte, NC
1524737148947214336	2022-05-12T13:03:59.0000000	CocoBeautyW	Check out this product 🍷 Los ...	275	653	
1524736427325460481	2022-05-12T13:01:07.0000000	Mesiga0	Lamar vs. Tompkins High Scho...	22	1	
1524735238001287171	2022-05-12T12:56:23.0000000	HamlinHammer8	@btsteelcurtain As a fan of the...	188	883	
1524737671641321472	2022-05-12T13:06:03.0000000	EGoldish	@NerdingOnNFL W2 needs to ...	255	390	

(MongoDB Collection):



The screenshot shows the MongoDB Compass interface. The 'Collections' tab is selected, showing the 'DateProjectTwitter.Tweets' collection. The collection has a storage size of 104KB, 2560 documents, and 104KB of index size. The 'Find' tab is active, showing a query filter of `{ field: 'value' }`. The query results are displayed in a list, showing three documents with fields like `_id`, `Location`, `Followers`, and `Following`.

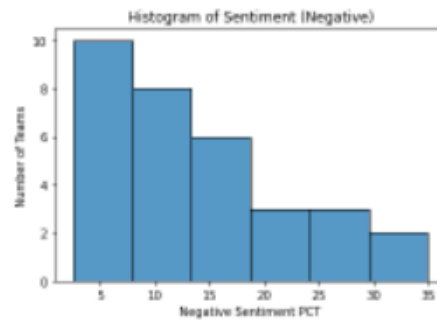
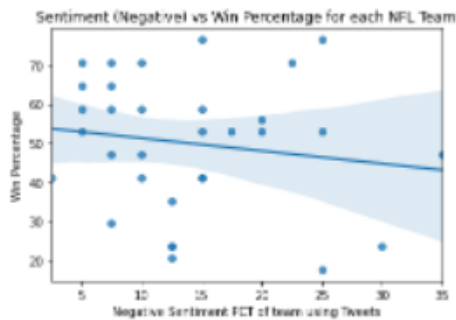
Document
<pre>{ "_id": ObjectId("627083f9702e1d68c2367085"), "Location": "New Jersey, USA", "Followers": 7863, "Following": 2284 }</pre>
<pre>{ "_id": ObjectId("627083f9702e1d68c2367086"), "Location": "Las Vegas, NV", "Followers": 2753, "Following": 3198 }</pre>
<pre>{ "_id": ObjectId("627083f9702e1d68c2367087"), "Location": "Lausanne, Switzerland", "Followers": 13045, "Following": 3198 }</pre>

Dashboard (Dynamically Changes with Data):

Connecting to Streaming Twitter API // Put data into Dataframe

	ID	Date	User	Tweet	Followers	Following	Location	Likes	Team
0	1524737780928028672	2022-05-12 13:06:29+00:00	iMrAnderson	Full Arizona Cardinals Home Schedule:\n(Presea...	229	299	BC	0	Arizona Cardinals
1	1524737671641321472	2022-05-12 13:06:03+00:00	EGoldish	@NerdingOnNFL W2 needs to be Arizona at Vegas ...	255	390		0	Arizona Cardinals
2	1524737301930135552	2022-05-12 13:04:35+00:00	iMrAnderson	@AZCardinals Losing the 49ers game to Mexico, ...	229	299	BC	0	Arizona Cardinals
3	1524736707408633857	2022-05-12 13:02:13+00:00	trppnktln	@AZCardinals Please put Eagles vs Cardinals in...	260	108		0	Arizona Cardinals
4	1524736677503291393	2022-05-12 13:02:06+00:00	JULBILLS	@RealMamaEagle I thought it said we were gonna...	231	1434		1	Arizona Cardinals

Negative Sentiment Visualizations



Positive Sentiment Visualizations

