

A close-up photograph of a person's hand reaching towards a collection of colorful wooden blocks (red, blue, green, yellow) arranged on a light-colored wooden surface. The blocks are various shapes, including cubes and rectangles. In the background, the dark wooden texture of a book or board is visible.

# First Create Cognitive Services

### Azure services



Create a  
resource



Data factories



SQL databases



SQL servers



Stream  
Analytics jobs



Azure Synapse  
Analytics



Storage  
accounts



Cognitive  
Services



Function App



More services



### Recent resources

Name	Type	Last Viewed
TwitterCognitive	Language	38 minutes ago
navneetsql	SQL database	55 minutes ago
navneetserverdb	SQL server	55 minutes ago
navneetstorage	Storage account	56 minutes ago
Twitterdb	SQL database	an hour ago
navneetdatafactory	Data factory (V2)	2 hours ago
streamanalytic	Stream Analytics job	2 days ago
azuresynapsestorage	Synapse workspace	2 days ago
navneetsentiment	Resource group	2 days ago
navneetkangsentiment	Content moderator	2 days ago
NavneetSentimentLogicApp	Logic App (Standard)	2 days ago
rg-navneet-ai	Resource group	2 months ago

[See all](#)

### Navigate



Microsoft Azure Search resources, services, and docs (G+) Home ... 200469315@student.ge...  
GEORGIAN COLLEGE (GEORGIAN...)

## Cognitive Services

Cognitive Services

Search (Ctrl+)/

Overview All Cognitive Services

Decision

- Anomaly detector
- Content moderator
- Personalizer

Language

- Language service
- Translator
- Language understanding (classic)
- QnA maker (classic)

Speech

- Speech service

Vision

- Computer vision
- Custom vision
- Face API

Multipurpose

- Cognitive services multi-

Decision

Make smarter decisions faster.

- Anomaly detector
- Content moderator
- Personalizer

Language

Extract meaning from unstructured text.

Text Analytics has been rebranded and incorporated into Azure Cognitive Service for Language. [Learn More](#)

- Language Service
- Translator
- Language understanding (classic)
- QnA maker (classic)

Speech

Integrate speech into apps and services

- Speech service

test1.csv Show all

## Select additional features

By default, Azure Cognitive Service for Language comes with several pre-built capabilities like sentiment analysis, key phrase extraction, pre-built question answering, etc. Some customizable features below require additional services like Azure Cognitive Search, Blob storage, features you want to enable as part of your Language service.

### Default features

- Sentiment analysis
- Key phrase extraction
- Pre-built question answering
- Conversational language understanding (preview)
- Named entity recognition
- Text Summarization
- Text analytics for Health

### Custom features

- Custom question answering  
Use this feature to answer user's questions over your data corpus. Requires Azure Cognitive Search. [Learn more](#).

Select

- Custom text classification & extraction (preview) ⓘ  
Use this feature to customize text classification or custom text extraction. Requires Azure Storage. [Learn more](#).

Select

Continue to create your resource

## Create ...

### Language

Azure Cognitive Service for Language enables you to build apps with industry-leading natural language understanding capabilities without machine learning expertise. It consolidates familiar capabilities previously available in Text Analytics, QnA Maker, and Language Understanding (LUIS) into a unified service. With a single API call, harness decades of Microsoft's state-of-the-art research and ground-breaking NLU capabilities. [Learn more](#)

### Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* ⓘ

Azure for Students

Resource group \* ⓘ

navneetsentiment

[Create new](#)

### Instance details

Region \*

(US) East US

Name \* ⓘ

cognitivenavneet

Pricing tier ([Learn More](#)) \* ⓘ

Standard S (1000 Calls per minute)

### Legal terms

Previews are made available to you on the condition that you agree to the Supplemental Terms of Use for Microsoft Azure Previews which supplement your agreement governing use of Azure. [Supplemental Terms of Use for Microsoft Azure Previews](#). [Service Agreement & Terms](#).

I confirm I have read and understood the notice below.\*

[Review + create](#)

[Next : Tags >](#)

# I already Created TwitterCognitive

The screenshot shows the Microsoft Azure portal interface. At the top, there's a blue header bar with the Microsoft Azure logo, a search bar containing "Search resources, services, and docs (G+)", and various navigation icons on the right. Below the header, the main content area is titled "Azure services". It features a row of service icons: Create a resource, Cognitive Services, Data factories, SQL databases, SQL servers, Stream Analytics jobs, Azure Synapse Analytics, Storage accounts, Function App, and More services. Under the "Recent resources" heading, there's a table listing recent resources. The first two rows of the table are circled in red: "TwitterCognitive" (Type: Language, Last Viewed: 41 minutes ago) and "navneetsql" (Type: SQL database, Last Viewed: 58 minutes ago). The table has columns for Name, Type, and Last Viewed.

Name	Type	Last Viewed
TwitterCognitive	Language	41 minutes ago
navneetsql	SQL database	58 minutes ago
navneetserverdb	SQL server	58 minutes ago
navneetstorage	Storage account	60 minutes ago
Twitterdb	SQL database	an hour ago
navneetdatafactory	Data factory (V2)	2 hours ago
streamanalytic	Stream Analytics job	2 days ago
azuresynaptestorage	Synapse workspace	2 days ago



Now Get Keys and  
Endpoints

Microsoft Azure

Search resources, services, and docs (G+)

Home > TwitterCognitive

TwitterCognitive | Keys and Endpoint

Regenerate Key1 Regenerate Key2

Search (Ctrl+)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource Management

Features

Keys and Endpoint

Encryption

Commitment tier pricing

Pricing tier

Networking

Identity

Cost analysis

Properties

Locks

Monitoring

Alerts

Regenerate Key1 Regenerate Key2

Show Keys

KEY 1

KEY 2

Location/Region

eastus

Endpoint

https://twitcognitive.cognitiveservices.azure.com/

200469315@student.ge...  
GEORGIAN COLLEGE (GEORGIAN...)

Now Create  
Storage

---



← → C portal.azure.com/#create/Microsoft.StorageAccount

Apps (2) Facebook New Tab credentials Project\_Cassandra ... Bb does Untitled2 - Jupyter... Insert

Microsoft Azure 200469315@student.ge... GEORGIAN COLLEGE (GEORGIAN...)

Home > Storage accounts (classic) >

## Create a storage account

Basics Advanced Networking Data protection Tags Review + create

Azure Storage is a Microsoft managed service providing cloud storage that is highly available, redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Tables. The cost of your storage account depends on the usage and the options you choose to storage accounts

**Project details**

Select the subscription in which to create the new storage account. Choose a new or existing manage your storage account together with other resources.

Subscription \* Azure for Students

Resource group \* navneetsentiment Create new

**Instance details**

Services

- Storage accounts
- Storage Explorer

Marketplace

- StoneFly Cloud Storage
- Frogmi Store Operations
- Pure Cloud Block Store™ (Product Deployment)
- Stormshield Network Security for Cloud - XL

Documentation

- StorSimple 8000 series migration to Azure File Sync ...
- Data migration options from StorSimple 8000 series devices ...
- Data migration options from StorSimple 5000-7000 series ...
- Microsoft Azure StorSimple Virtual Array backup tutorial ...

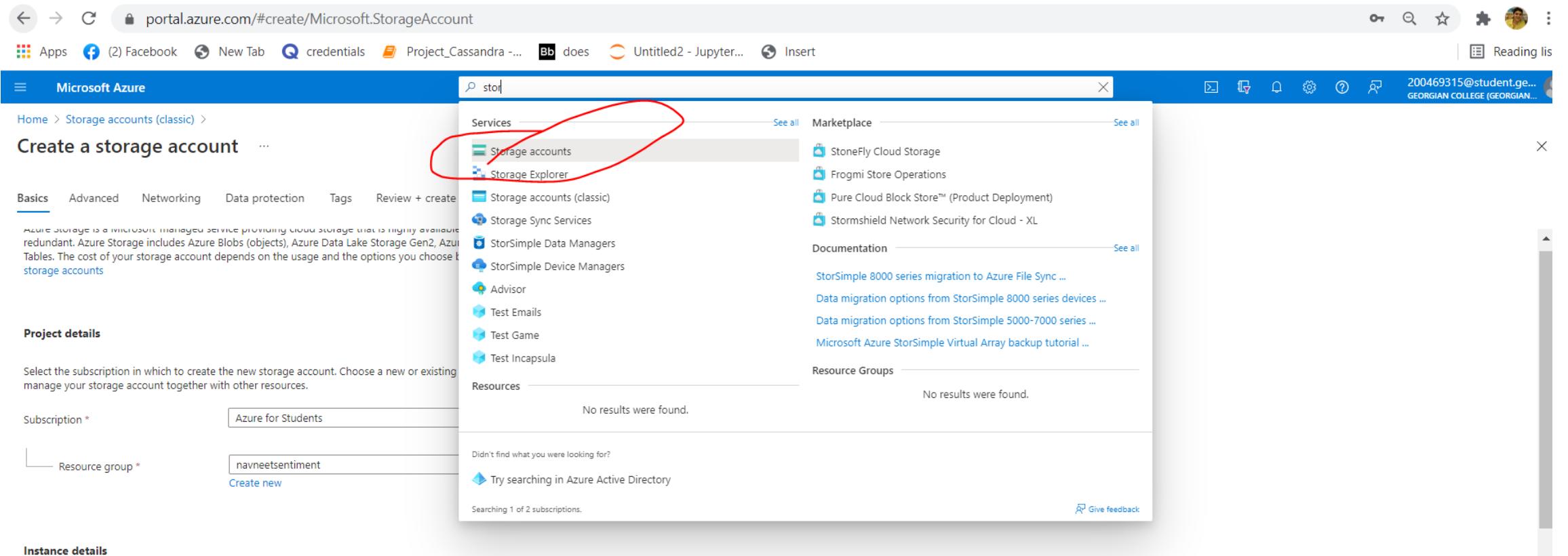
Resource Groups

No results were found.

Didn't find what you were looking for?

Try searching in Azure Active Directory

Searching 1 of 2 subscriptions. Give feedback



Home > Storage accounts (classic) >

## Create a storage account ...

Basics Advanced Networking Data protection Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. [Learn more about Azure storage accounts](#)

### Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription \* Azure for Students

Resource group \* navneetsentiment

[Create new](#)

### Instance details

If you need to create a legacy storage account type, please click [here](#).

Storage account name navneetstorage

The storage account name 'navneetstorage' is already taken.

[Review + create](#)

[< Previous](#)

[Next : Advanced >](#)

# As of now ,I created navneetstorage

Microsoft Azure Search resources, services, and docs (G+) Home > 200469315@student.ge... GEORGIAN COLLEGE (GEORGIAN...

## Storage accounts (classic) ...

Georgian College (georgiancollege.onmicrosoft.com)

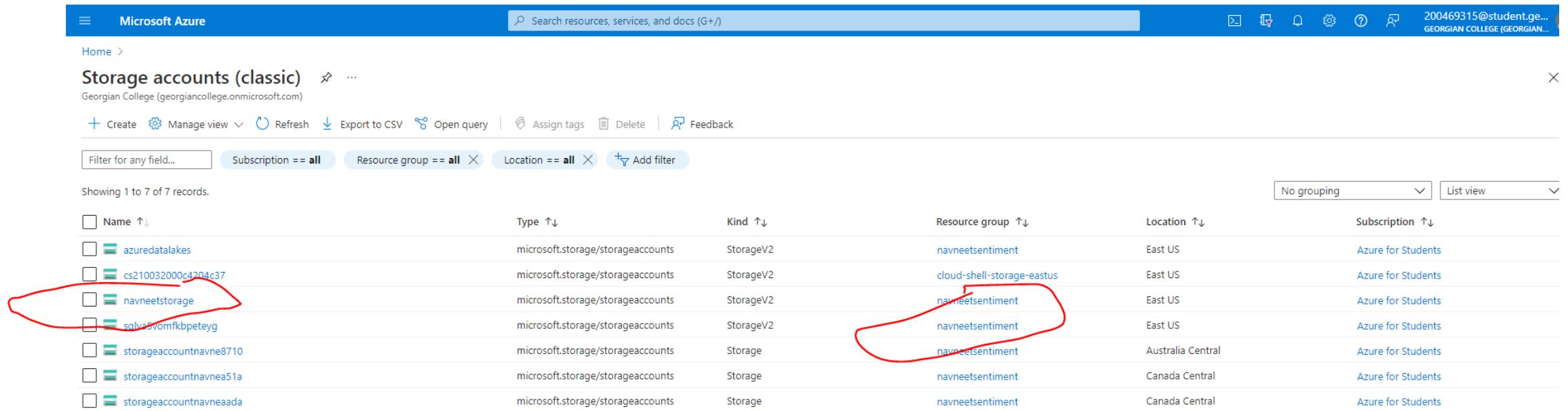
+ Create Manage view Refresh Export to CSV Open query Assign tags Delete Feedback

Filter for any field... Subscription == all Resource group == all Location == all Add filter

Showing 1 to 7 of 7 records.

Name	Type	Kind	Resource group	Location	Subscription
azuredatalakes	microsoft.storage/storageaccounts	StorageV2	navneetsentiment	East US	Azure for Students
cs210032000c4204c37	microsoft.storage/storageaccounts	StorageV2	cloud-shell-storage-eastus	East US	Azure for Students
navneetstorage	microsoft.storage/storageaccounts	StorageV2	navneetsentiment	East US	Azure for Students
solvenwomfkbpetyg	microsoft.storage/storageaccounts	StorageV2	navneetsentiment	East US	Azure for Students
storageaccountnavne8710	microsoft.storage/storageaccounts	Storage	navneetsentiment	Australia Central	Azure for Students
storageaccountnavnea51a	microsoft.storage/storageaccounts	Storage	navneetsentiment	Canada Central	Azure for Students
storageaccountnavneaada	microsoft.storage/storageaccounts	Storage	navneetsentiment	Canada Central	Azure for Students

No grouping List view



portal.azure.com/#@georgiancollege.onmicrosoft.com/resource/subscriptions/19efb088-95ee-4102-b55e-b543f05e1963/resourceGroups/navneetsentiment/providers/Microsoft.Storage/stor...

Apps (2) Facebook New Tab credentials Project\_Cassandra -... Bb does Untitled2 - Jupyter... Insert

Microsoft Azure 2004693 GEORGIAN

Home > Storage accounts (classic) >

## Storage accounts (...)

Georgian College (georgiancollege.onmicrosoft.co...)

+ Create Manage view

Filter for any field...

Name	...
azuredatalakes	...
cc210032000c4204c37	...
<b>navneetstorage</b>	...
sqlva5vomfkbpetyg	...
storageaccountnavne8710	...
storageaccountnavnea51a	...
storageaccountnavneaada	...

Search (Ctrl+ /)

navneetstorage Storage account

Open in Explorer Delete Move Refresh Mobile Feedback

Microsoft recommends upgrading to the new alerts platform to ensure no interruptions in your alerts. Classic alerts will be retired starting in 2021. Upgrade to the new alerts platform. [Learn more](#)

**Essentials**

Resource group (move) : navneetsentiment	Performance/Access tier : Standard/Hot
Location : East US	Replication : Locally-redundant storage (LRS)
Subscription (move) : Azure for Students	Account kind : StorageV2 (general purpose v2)
Subscription ID : 19efb088-95ee-4102-b55e-b543f05e1963	Provisioning state : Succeeded
Disk state : Available	Created : 11/21/2021, 5:13:23 PM

Tags (edit) :

Properties Monitoring Capabilities (7) Recommendations Tutorials Developer Tools

**Blob service**

Hierarchical namespace	Disabled
Default access tier	Hot
Blob public access	Enabled
Blob soft delete	Enabled (7 days)
Container soft delete	Enabled (7 days)
Versioning	Disabled
Change feed	Disabled
Allow cross-tenant replication	Enabled

**File service**

Large file share	Disabled
------------------	----------

**Security**

Require secure transfer for REST API operations	Enabled
Storage account key access	Enabled
Minimum TLS version	Version 1.2
Infrastructure encryption	Disabled

**Networking**

Allow access from	All networks
Number of private endpoint connections	0
Network routing	Microsoft network routing
Access for trusted Microsoft services	Yes

Page 1 of 1

test1.csv

# Here Blob Would Be Visible after running the code

The screenshot shows the Microsoft Azure Storage browser (preview) interface for the storage account 'navneetstorage'. The left sidebar lists various storage accounts, with 'navneetstorage' selected. A red circle highlights the 'Storage accounts (classic)' link at the top of the sidebar. Another red circle highlights the 'Storage browser (preview)' link under the 'Data storage' section. The main pane displays the 'navneetstorage' storage account details, including 'Favorites', 'Recently viewed' (with 'Blob containers' highlighted by a red circle), and sections for 'File shares', 'Queues', and 'Tables'. On the right, the 'Blob containers' section shows a list of 7 items, each with a preview icon, name, last modified date, public access level, and lease state. The table data is as follows:

Name	Last modified	Public access level	Lease state
\$logs	11/21/2021, 5:13:45 PM	Private	Available
634e0ffe-65ba-404a-803d-d8682fd0fa12	11/23/2021, 9:43:20 PM	Private	Available
69e19fd8-7a07-44b1-902f-1e5b169d1fe2	11/23/2021, 9:03:47 PM	Private	Available
aabf2f95-e3a8-4573-8dae-72f36541060c	11/21/2021, 9:28:40 PM	Private	Available
c2430d87-7783-4a3f-9285-eec413d33c31	11/21/2021, 9:16:13 PM	Private	Available
c972c912-3aa7-4616-97d9-c59754212e8c	11/21/2021, 11:48:39 PM	Private	Available
d8851e06-2a13-4cda-889a-9b55664c06de	11/21/2021, 11:44:50 PM	Private	Available

A close-up photograph of a dark, metallic door handle. The handle is rectangular with rounded ends and features a decorative scroll-shaped pull. On the front face of the handle, there are two embossed characters: 'S' on the top line and 'O' on the bottom line. The background is a warm, blurred orange and yellow gradient.

Now Code The Stuff



```
credential = AzureKeyCredential("2096ecab40d64070abceef0bf330802c")

text_analytics_client = TextAnalyticsClient(endpoint="https://twittercognitive.cognitiveservices.azure.com/", credential=credential)

# documents = [
#     {"id": "1", "language": "en", "text": "I hated the movie. It was so slow!"},
#     {"id": "2", "language": "en", "text": "The movie made it into my top ten favorites. What a great movie!"},
#
#
# ]
#]

response = text_analytics_client.analyze_sentiment(documents, language="en")
result = [doc for doc in response if not doc.is_error]
count=0
for doc in result:
    print("\n"+ documents[count] +":;:; ")
    count=count+1
    print("Overall sentiment: {}".format(doc.sentiment))
    print("Scores: positive={}; neutral={}; negative={} \n".format(
        doc.confidence_scores.positive,
        doc.confidence_scores.neutral,
        doc.confidence_scores.negative,
```

```
for doc in result:  
    print("\n"+ documents[count] +":;:;")  
    count+=1  
    print("Overall sentiment: {}".format(doc.sentiment))  
    print("Scores: positive={}; neutral={}; negative={} \n".format(  
        doc.confidence_scores.positive,  
        doc.confidence_scores.neutral,  
        doc.confidence_scores.negative,  
    ))
```

```
#Codeeeee  
documents=[]  
id=[]  
i = 0 # counter variable as it only permits 10 record for analyze  
k=""  
with open(filename, 'r') as data:  
    for line in csv.reader(data):  
        if i<10:  
            print(line[1])  
            documents.append(line[1])  
            k = str(i)  
            id.append(k)  
            i+= 1
```

```
updated_csv = 'updated_csv.csv'

header = ['id','message','positive','neutral','negative']
with open(updated_csv,'w',encoding='UTF8') as f:
    writer = csv.writer(f)
    writer.writerow(header)
    for (doc,i,j) in zip(result_id_documents):
        print("Overall sentiment: {}".format(doc.sentiment))
        print("Scores: positive={}; neutral={}; negative={} \n".format(
            doc.confidence_scores.positive,
            doc.confidence_scores.neutral,
            doc.confidence_scores.negative,
        ))
        writer.writerow([i,j,doc.confidence_scores.positive,doc.confidence_scores.neutral,doc.confidence_scores.negative])
```

The background of the image is a vibrant, abstract composition of ink or paint suspended in water. It features large, billowing clouds of orange, red, and yellow ink against a backdrop of blue, purple, and white. The ink appears to be in motion, creating a dynamic and organic feel.

Now Blob Got Created

Microsoft Azure

Search resources, services, and docs (G+/)

Home > Storage accounts (classic) > navneetstorage

Storage accounts (...) ...

Georgian College (georgiancollege.onmicrosoft.co...)

+ Create Manage view ...

Filter for any field...

Name ↑↓

- azuredatalakes
- cs210032000c4204c37
- navneetstorage
- sqlva5vomfkbpetyg
- storageaccountnavne8710
- storageaccountnavnea51a
- storageaccountnavneaada

navneetstorage | Storage browser (preview) ...

Storage account

Search (Ctrl+)

Overview

Favorites

Recently viewed

Blob containers

File shares

Queues

Tables

Add Directory Upload Change access level Refresh

Delete Copy Paste Clone Acquire lease Break lease ...

Blob containers > 634e0ffe-65ba-404a-803d-d8682fd0fa12

Authentication method: Access key (Switch to Azure AD User Account)

Add filter

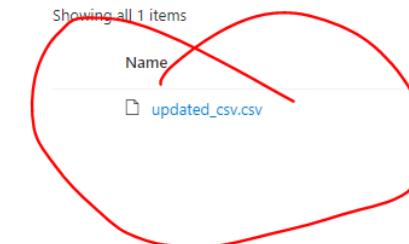
Search blobs by prefix (case-sensitive)

Only show active blobs

Showing all 1 items

Name	Last modified	Access tier	Blob type	Size	Lease state
updated_csv.csv	11/23/2021, 9:43:20 PM	Hot (Inferred)	Block blob	893 B	Available

Page 1 of 1



# Let's create sql database first

```
types.Operator):
    X mirror to the selected
    object.mirror_mirror_x"
    "in X"
```

Microsoft Azure

Home >

## SQL databases

Georgian College (georgiancollege.onmicrosoft.com)

+ Create    Reservations    Manage view    Refresh    Export to CSV

Filter for any field...    Subscription == all    Resource group == all

Showing 1 to 3 of 3 records.

	Name
<input type="checkbox"/>	navneetsql (navneetserverdb/navneetsql)
<input type="checkbox"/>	sql-navneet-ai (server-navneet-ai/sql-navneet-ai)
<input type="checkbox"/>	Twitterdb (navneetserverdatabase/Twitterdb)

Services

- SQL databases
- SQL servers
- SQL elastic pools
- SQL managed instances
- SQL Server registries
- SQL virtual machines
- SQL Server stretch databases
- Dedicated SQL pools (formerly SQL DW)
- SQL Server - Azure Arc
- SQL managed instances - Azure Arc

Marketplace

- Zumero - Sync SQL Server data with offline SQLite
- Azure Synapse Analytics
- SQLstream 6.0.0.1
- Azure SQL

Documentation

- Monitor your SQL deployments with SQL insights (preview ...)
- Microsoft Defender for SQL - the benefits and features ...
- SQL Server database migration to Azure SQL Database ...
- Getting started with SQL queries in Azure Cosmos DB ...

Resources

	Name	Type
	navneetsql	SQL database
	sqlva5vomfkbpetyg	Storage account
	sql-navneet-ai	SQL database

No results were found.

Didn't find what you were looking for?

Try searching in Azure Active Directory

Searching all subscriptions. [Change](#)

Give feedback

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GEORGIAN COLLEGE (GEORGIAN...)

Microsoft Azure

Search resources, services, and docs (G+/)

200469315@student.ugc... GEORGIAN COLLEGE (GEORGIAN)

Home > SQL databases >

## SQL databases

Georgian College (georgiancollege.onmicrosoft.co...)

+ Create ⏱ Reservations ...

Filter for any field...

Name ↑↓

- navneetsql (navneetserverdb/navneetsql) ...
- sql-navneet-ai (server-navneet-ai/sql-n... ...)
- Twitterdb (navneetserverdatabase/Twitt... ...)

### Create SQL Database

Microsoft

Basics Networking Security Additional settings Tags Review + create

Create a SQL database with your preferred configurations. Complete the Basics tab then go to Review + Create to provision with smart defaults, or visit each tab to customize. [Learn more](#)

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* ⓘ Azure for Students

Resource group \* ⓘ navneentsentiment

Create new

**Database details**

Enter required settings for this database, including picking a logical server and configuring the compute and storage resources

Database name \* navneetsql

✖ A database with the same name already exists on this server.

Server \* ⓘ navneetserverdb (East US)

Create new

Want to use SQL elastic pool? \* ⓘ  Yes  No

Compute + storage \* ⓘ General Purpose

[Review + create](#) [Next : Networking >](#)

Microsoft Azure

Search resources, services, and docs (G/)

200469315@student.ge...  
GEORGIAN COLLEGE (GEORGIAN...)

Home > SQL databases >

## SQL databases

Georgian College (georgiancollege.onmicrosoft.co...)

+ Create ⏰ Reservations ...

Filter for any field...

Name ↑↓

- navneetsql (navneetserverdb/navneetsql) ...
- sql-navneet-ai (server-navneet-ai/sql-n... ...)
- Twitterdb (navneetserverdatabase/Twitt... ...)

Search (Ctrl+ /)

### navneetsql (navneetserverdb/navneetsql)

SQL database

Copy ⏪ Restore ⏪ Export ⏪ Set server firewall ⏪ Delete ⏪ Connect with... ⏪ Feedback

Overview

Activity log

Tags

Diagnose and solve problems

Quick start

Query editor (preview)

Power Platform

Power BI

Power Apps

Power Automate

Settings

Compute + storage

Connection strings

Properties

Locks

Data management

Replicas

Sync to other databases

Integrations

Essentials

Resource group (Move) : navneetsentiment

Status : Online

Location : East US

Subscription (Move) : Azure for Students

Subscription ID : 19efb088-95ee-4102-b55e-b543f05e1963

Tags (Edit) : Click here to add tags

Server name : navneetserverdb.database.windows.net

Elastic pool : No elastic pool

Connection strings : Show database connection strings

Pricing tier : General Purpose: Gen5, 2 vCores

Earliest restore point : 2021-11-22 02:44 UTC

Show data for last: 1 hour 24 hours 7 days

Aggregation type: Max

Compute utilization

Database data storage

0.07% USED SPACE

Used space 23 MB

Allocated space 32 MB

Maximum storage size 32 GB

Notifications (1) Database features (7)

Page 1 of 1

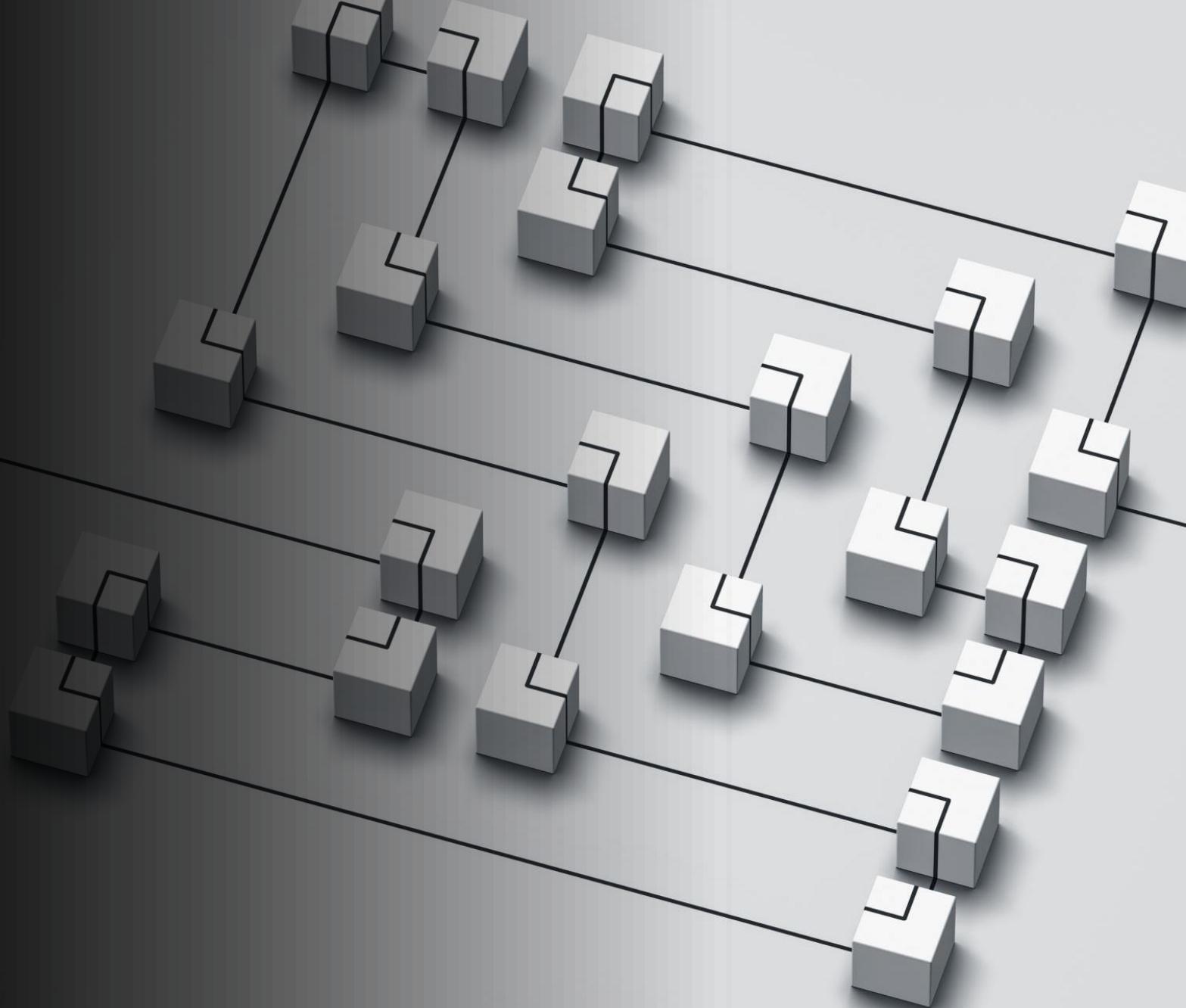
test1.csv

Show all



Now Create  
Table in The  
Database

---



Microsoft Azure

Search resources, services, and docs (G+)

Home > SQL databases >

## SQL databases

Georgian College (georgiancollege.onmicrosoft.com)

+ Create ⏰ Reservations ...

Filter for any field...

Name ↑

- navneetsql (navneetserverdb/navneetsql) ...
- sql-navneet-ai (server-navneet-ai/sql-n...)
- Twitterdb (navneetserverdatabase/Twitt...)

Query editor (preview)

Overview

Activity log

Tags

Diagnose and solve problems

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Page 1 of 1

### navneetsql (navneetserverdb/navneetsql)

SQL database

Copy ⏪ Restore ⏪ Export ⏪ Set server firewall ⏪ Delete ⏪ Connect with... ⏪ Feedback

Essentials

Resource group (Move) : navneetsentiment

Status : Online

Location : East US

Subscription (Move) : Azure for Students

Subscription ID : 19efb088-95ee-4102-b55e-b543f05e1963

Tags (Edit) : Click here to add tags

Server name : navneetserverdb.database.windows.net

Elastic pool : No elastic pool

Connection strings : Show database connection strings

Pricing tier : General Purpose: Gen5, 2 vCores

Earliest restore point : 2021-11-22 02:44 UTC

Show data for last: 1 hour 24 hours 7 days

Aggregation type: Max

Compute utilization

Database data storage

Used space: 0.07% (23 MB)

Allocated space: 32 MB

Maximum storage size: 32 GB

Notifications (1) Database features (7)

test1.csv

Show a

Microsoft Azure

Search resources, services, and docs (G+/)

2004  
GEOR

Home > SQL databases > navneetsql (navneetserverdb/navneetsql)

## SQL databases

Georgian College (georgiancollege.onmicrosoft.com)

+ Create    Reservations    ...

Filter for any field...

Name ↑↓

- navneetsql (navneetserverdb/navneetsql) ...
- sql-navneet-ai (server-navneet-ai/sql-n...)
- Twitterdb (navneetserverdatabase/Twitt...)

Query editor (preview)

Power Platform

- Power BI
- Power Apps
- Power Automate

Settings

- Compute + storage
- Connection strings
- Properties
- Locks

Data management

- Replicas
- Sync to other databases

Integrations

navneetsql (navneetserverdb/navneetsql) | Query editor (preview) ...

Search (Ctrl+ /)    Login    New Query    Open query    Feedback

Overview    Activity log    Tags    Diagnose and solve problems    Quick start    Query editor (preview)

Welcome to SQL Database Query Editor

SQL server authentication

Login \*

Password \*

OK

Active Directory authentication

Continue as 200469315@student.georg...

Page 1 of 1

## SQL databases

Georgian College (georgiancollege.onmicrosoft.co...)

+ Create    Reservations    ...

Filter for any field...

Name ↑↓

navneetsql (navneetserverdb/navneetsql) ...

sql-navneet-ai (server-navneet-ai/sql-n... ...)

Twitterdb (navneetserverdatabase/Twitter... ...)



navneetsql (navneetserverdb/navneetsql)  
SQL database



Search (Ctrl+ /)



Login



New Query



Open query



Feedback



Overview



Activity log



Tags



Diagnose and solve problems



Quick start



Query editor (preview)

### Power Platform

Power BI

Power Apps

Power Automate

### Settings

Compute + storage

Connection strings

Properties

Locks

### Data management

Replicas

Sync to other databases

### Integrations

navneetsql (navneet)



Showing limited object explorer here. For full capability please open SSDT.

> Tables

> Views

> Stored Procedures

Query 1



Run



Cancel query



Save query



Export data as



...

```
1  create Table dbo.[dbo].[NavneetTwitter]
2  (
3
4    id varchar,
5    message text,
6    label varchar(40),
7    positive float,
8    neutral float,
9    negative float
10
11 )
```

Results

Messages

Search to filter items...

Microsoft Azure

Search resources, services, and docs (G+)

Z0040515@studentge... GEORGIAN COLLEGE (GEORGIAN...)

Home > SQL databases > navneetsql (navneetserverdb/navneetsql)

## SQL databases

Georgian College (georgiancollege.onmicrosoft.co...)

+ Create    Reservations    ...

Filter for any field...

Name ↑↓

- navneetsql (navneetserverdb/navneetsql) ...
- sql-navneet-ai (server-navneet-ai/sql-n... ...)
- Twitterdb (navneetserverdatabase/Twitt... ...)

Query editor (preview)

Overview

Activity log

Tags

Diagnose and solve problems

Quick start

Power Platform

Power BI

Power Apps

Power Automate

Settings

Compute + storage

Connection strings

Properties

Locks

Data management

Replicas

Sync to other databases

Integrations

Page 1 of 1

### navneetsql (navneet) | Query editor (preview)

Login    New Query    Open query    Feedback

navneetsql (navneet)

Showing limited object explorer here. For full capability please open SSDT.

Tables

- dbo.Azure Blob Storage file
- dbo.NavneetTwitter
  - id (varchar, null)
  - message (varchar, null)
  - positive (float, null)
  - neutral (float, null)
  - negative (float, null)
- dbo.twitterDatabase
- dbo.twitterFinalDb
- dbo.twitterFinalDb1
- dbo.twitterUpdated
- dbo.Updatedtwitter

Views

Stored Procedures

Query 1

Run    Cancel query    Save query    Export data as    Show only Editor

```
1 create Table dbo.[dbo].[NavneetTwitter]
2 (
3
4     id varchar,
5     message varchar,
6     label varchar(40),
7     positive float,
8     neutral float,
9     negative float
10
11 )
```

Results    Messages

Search to filter items...

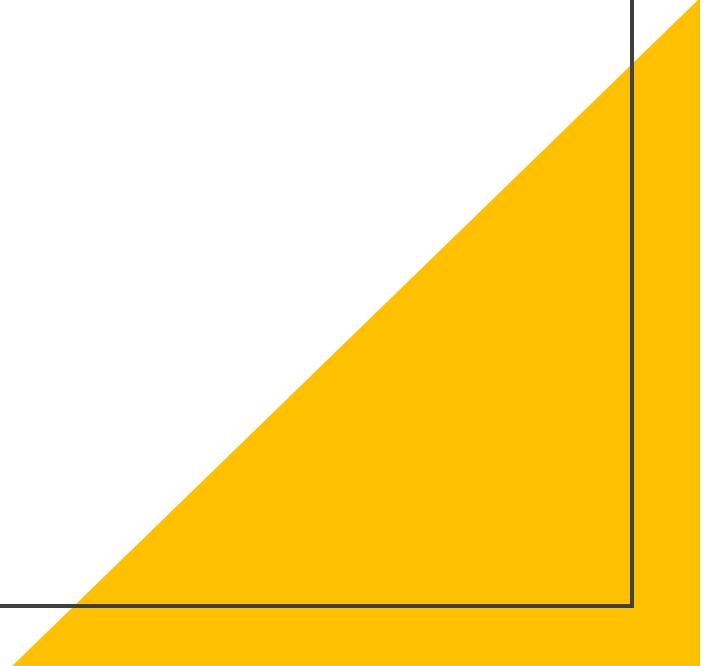
Ready





Now We Will Map Blob  
Data To SQL Database

For This  
,We will  
use Data  
Factory



Microsoft Azure

Home > SQL databases > navneetsql (navneetserverdb/navneetsql)

## SQL databases

Georgian College (georgiancollege.onmicrosoft.com)

+ Create   Reservations   ...

Filter for any field...

Name	
navneetsql (navneetserverdb/navneetsql)	...
sql-navneet-ai (server-navneet-ai/sql-n...)	...
Twitterdb (navneetserverdatabase/Twitter...)	...

navneetsql (navneetserverdb/navneetsql) SQL database

Overview   Activity log   Tags   Diagnose and solve problems   Quick start   Query editor (preview)

Power Platform

Power BI   Power Apps   Power Automate

Settings

Compute + storage   Connection strings   Properties   Locks

Data management

Replicas   Sync to other databases

Integrations

data fa

Services

- See all Data factories
- Reservations
- SQL databases
- Azure Database for MySQL servers
- Data Catalog
- Data Lake Analytics
- Data Lake Storage Gen1
- Data Shares
- StorSimple Data Managers
- On-premises data gateways

Marketplace

- See all CluedIn Master Data Management
- VIACode Azure Data Factory Monitor
- KoçSistem Azure Data Factory Management
- Data Factory

Documentation

- Introduction to Azure Data Factory - Azure Data Factory ...
- Create an Azure data factory using the Azure Data Factory ...
- Schema and data type mapping in copy activity - Azure Data ...
- Azure Data Explorer documentation | Microsoft Docs

Resource Groups

No results were found.

No results were found.

Didn't find what you were looking for?

Try searching in Azure Active Directory

Searching all subscriptions. Change

dbo.twitterFinalDb

dbo.twitterFinalDb1

dbo.twitterUpdated

dbo.Updatedtwitter

Views

Stored Procedures

Search to filter items...

Give feedback

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Microsoft Azure Search resources, services, and docs (G/)

Home > Data factories ...

Georgian College (georgiancollege.onmicrosoft.com) X

[Create](#) [Manage view](#) [Refresh](#) [Export to CSV](#) [Open query](#) | [Assign tags](#) | [Feedback](#)

[Filter for any field...](#) [Subscription == all](#) [Type == all](#) [Resource group == all](#) [Location == all](#) [Add filter](#)

Showing 1 to 1 of 1 records.

<a href="#">Name ↑↓</a>	<a href="#">Type ↑↓</a>	<a href="#">Subscription ↑↓</a>	<a href="#">Resource group ↑↓</a>	<a href="#">Location ↑↓</a>
<a href="#">navneetdatafactory</a>	Data factory (V2)	Azure for Students	navneetsentiment	East US

< Previous Page 1 of 1 Next >

Home &gt; Data factories &gt;

## Create Data Factory

[Basics](#) [Git configuration](#) [Networking](#) [Advanced](#) [Tags](#) [Review + create](#)

## Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Resource group \*

[Create new](#)

## Instance details

Region \*

Name \*

Version \*

[Review + create](#)[< Previous](#)[Next : Git configuration >](#)

Microsoft Azure

Search resources, services, and docs (G+)

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Home > Data factories >

## Data factories

Georgian College (georgiancollege.onmicrosoft.co...)

+ Create   Manage view ...

Filter for any field...

Name ↑

navneetdatafactory

Search (Ctrl+ /) Overview Delete

Essentials

Resource group (Move) : navneetsentiment  
Status : Succeeded  
Location : East US  
Subscription (Move) : Azure for Students  
Subscription ID : 19efb088-95ee-4102-b55e-b543f05e1963

Type : Data factory (V2)  
Getting started : Quick start

JSON View

Getting started

Open Azure Data Factory Studio  
Start authoring and monitoring your data pipelines and data flows.  
[Open](#)

Read documentation  
Learn how to be productive quickly.  
Explore concepts, tutorials, and samples.  
[Learn more](#)

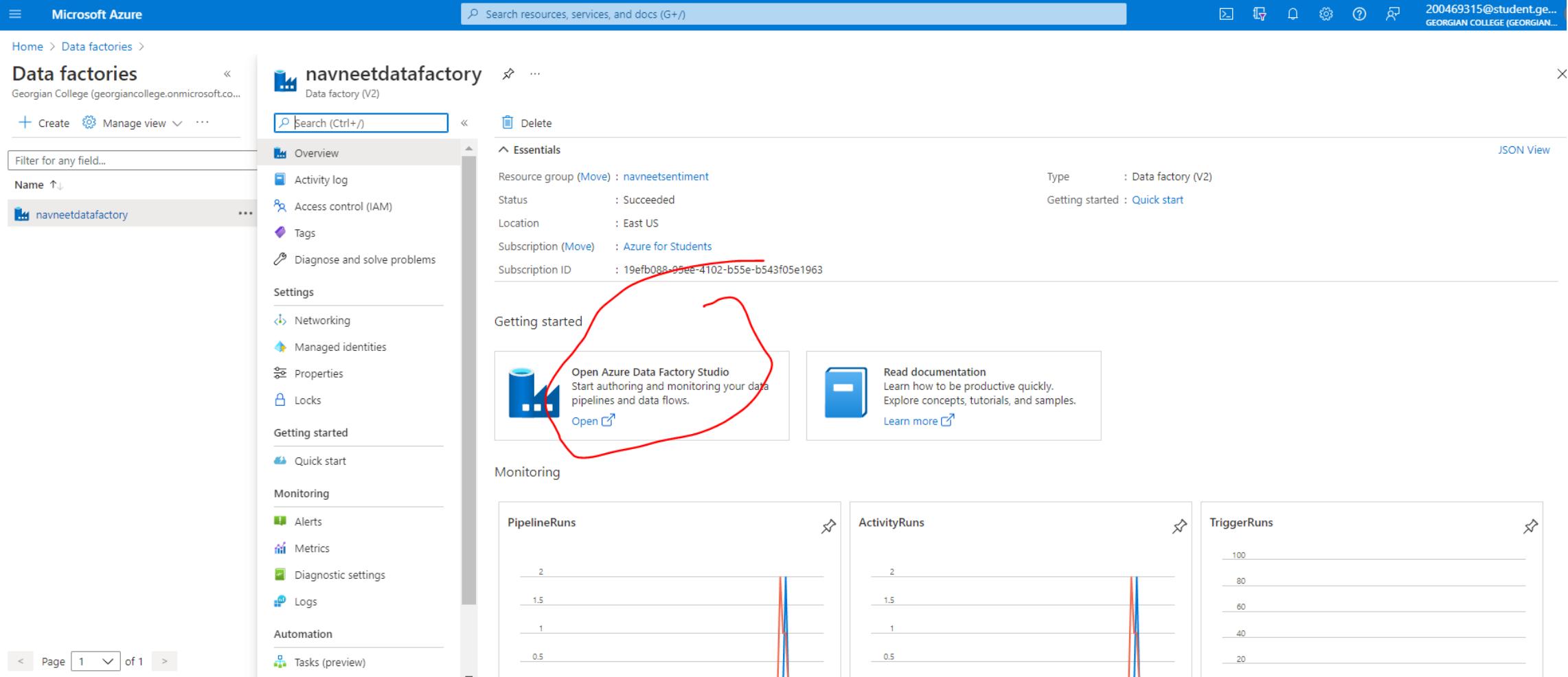
Monitoring

PipelineRuns

ActivityRuns

TriggerRuns

Page 1 of 1



# New Portal Would open up

adf.azure.com/en-us/home?factory=%2Fsubscriptions%2F19efb088-95ee-4102-b55e-b543f05e1963%2FresourceGroups%2Fnavneetsentiment%2Fproviders%2FMicrosoft.DataFactory%2Ffactories%2Fn...

Apps (2) Facebook New Tab credentials Project\_Cassandra -... Bb does Untitled2 - Jupyter... Insert Reading I

Microsoft Azure | navneetdatafactory 200469315@student.georgian.on.ca GEORGIAN COLLEGE

Azure Data Factory allows you to configure a Git repository with either Azure DevOps or GitHub. Git is a version control system that allows for easier change tracking and collaboration. Learn more

Set up code repository

Data factory  
**navneetdatafactory**

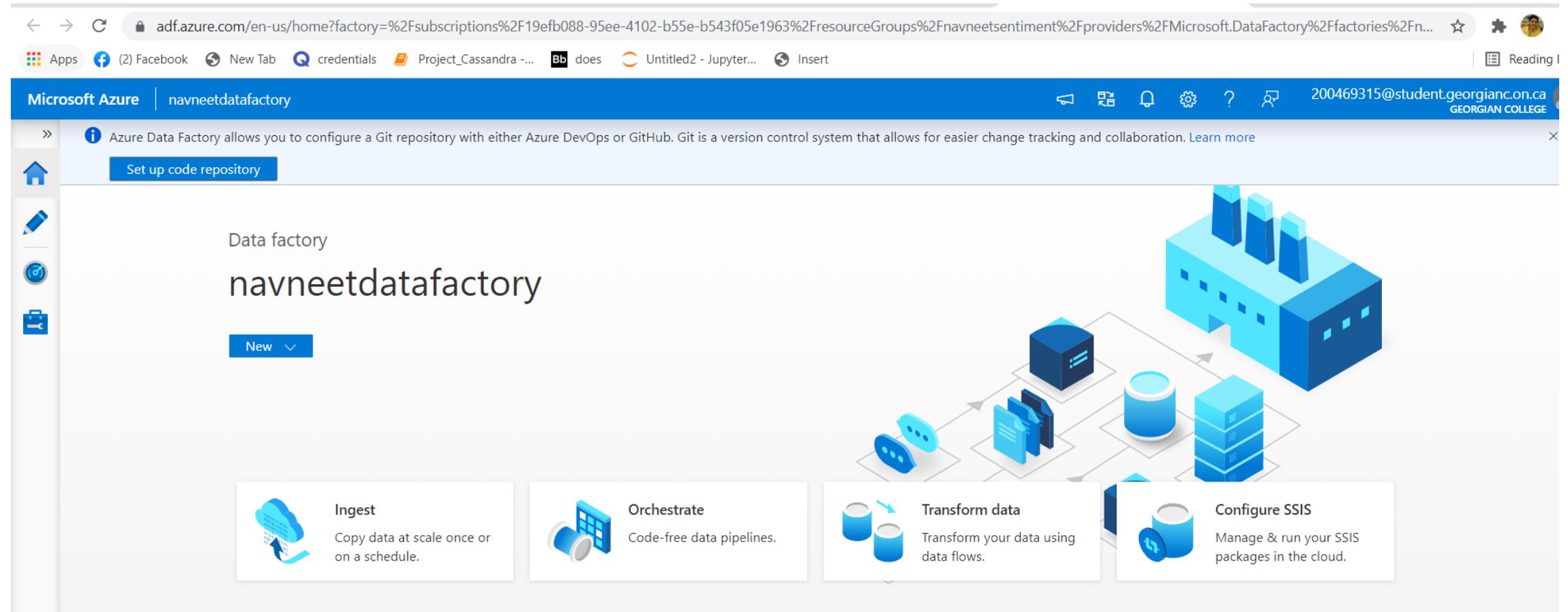
New ▾

**Ingest**  
Copy data at scale once or on a schedule.

**Orchestrate**  
Code-free data pipelines.

**Transform data**  
Transform your data using data flows.

**Configure SSIS**  
Manage & run your SSIS packages in the cloud.



Microsoft Azure | navneetdatafactory

Azure Data Factory allows you to configure a Git repository with either Azure DevOps or GitHub. Git is a version control system that allows for easier change tracking and collaboration. [Learn more](#)

[Set up code repository](#)

Data factory

# navneetdatafactory

New [▼](#)

**Ingest**  
Copy data at scale once or on a schedule.

**Orchestrate**  
Code-free data pipelines.

**Transform data**  
Transform your data using data flows.

**Configure SSIS**  
Manage & run your SSIS packages in the cloud.

Discover more

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Copy Data tool

Properties

Source

Target

Settings

Review and finish

Use Copy Data Tool to perform a one-time or scheduled data load from 90+ data sources. Follow the wizard experience to specify your data loading settings, and let the Copy Data Tool generate the artifacts for you, including pipelines, datasets, and linked services. [Learn more](#)

**Properties**

Select copy data task type and configure task schedule

**Task type**

**Built-in copy task**  
You will get single pipeline to copy data from 90+ data source easily.

**Metadata-driven copy task (Preview)**  
Metadata is required to be stored in external control tables to load data at large-scale.

You will get single pipeline to quickly copy objects from data source store to destination in a very intuitive manner.

**Task cadence or task schedule \***

Run once now  Schedule  Tumbling window

< Previous Next >

Cancel

Copy Data tool

Properties

Source

Dataset

Configuration

Target

Settings

Review and finish

Source data store

Specify the source data store for the copy task. You can use an existing data store connection or specify a new one.

Source type: Azure Blob Storage

Connection: AzureBlobStorageFinal

File or folder \*

If the identity you use to access the data store only has permission to subdirectory instead of the entire account, specify the path to browse.

Options

Binary copy

Recursively

Enable partition discovery

Max concurrent connections

Filter by last modified

Start time (UTC)

End time (UTC)

New connection (Azure Blob Storage)

Name \*: AzureBlobStorage2

Description:

Connect via integration runtime \*: AutoResolveIntegrationRuntime

Authentication method: Account key

Connection string (selected)

Azure Key Vault

Account selection method

From Azure subscription

Enter manually

Azure subscription: Select all

Storage account name \*:

Additional connection properties

Create Cancel Test connection

Copy Data tool

Properties

Source

Dataset

Configuration

Target

Settings

Review and finish

Source data store

Specify the source data store for the copy task. You can use an existing data store connection or specify a new one.

Source type: Azure Blob Storage

Connection: AzureBlobStorageFinal

File or folder: (empty input field)

Options:

- Binary copy ⓘ
- Recursively ⓘ
- Enable partition discovery ⓘ

Max concurrent connections: (empty input field)

Filter by last modified

Start time (UTC): (empty input field)

End time (UTC): (empty input field)

< Previous Next >

OK Cancel

Browse

Select a file or folder.

Root folder > 634e0ffe-65ba-404a-803d-d8682fd0fa12

updated\_csv.csv

Show all

test1.csv

Copy Data tool

Properties

Source

Dataset

Configuration

Target

Settings

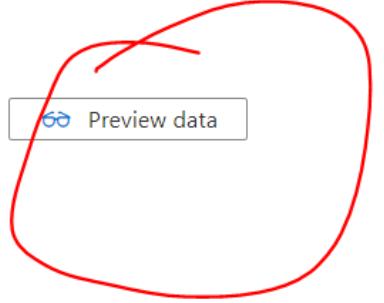
Review and finish

File format settings

File format ①

Text format

Detect text format

Preview data 

Column delimiter

Comma (,)

Edit

Row delimiter

Carriage return (\r)

Edit

First row as header ①

Advanced 

Compression type

None

Additional columns ①

+ New

< Previous

Next >

## Preview data

Linked service: AzureBlobStorageFinal

Object: 634e0ffe-65ba-404a-803d-d8682fd0fa12/updated\_csv.csv

### Preview Schema

0	nite twitterville workout in the am -ciao	0.11	0.87	0.02
1	@daNanner Night, darlin! Sweet dreams to you	0.76	0.22	0.02
2	Good morning everybody!	1.0	0.0	0.0
3	Finally! I just created my WordPress Blog. There's already a blog up on the Seattle Coffee Community ... http://tinyurl.com/c5uufd	0.13	0.85	0.02
4	kisha they cnt get over u til they get out frm under u just remember ur on top	0.03	0.93	0.04
5	@nicolerichie Yes i remember that band, It was Awesome, Will you please reply	1.0	0.0	0.0
6	I really love reflections and shadows	1.0	0.0	0.0
7	@blueaero ooo it's fantasy? i like fantasy novels will check it out	0.92	0.07	0.01

< Previous

Next >

### Copy Data tool

Properties  
Source  
**Target**  
Dataset  
Configuration  
Settings  
Review and finish

**Destination data store**

Specify the destination data store for the copy task. You can use an existing data store connection or specify a new data store.

Target type: Azure SQL Database

Connection \*: AzureSqlDatabaseFinalUpdated [Edit](#) [New connection](#)

Source	Target
Azure Blob Storage file	dbo.NavneetTwitter

[Auto-create a destination table with the source schema](#)

Skip column mapping for all tables

[Previous](#) [Next >](#)

test1.csv

**Copy Data tool**

Properties ✓  
Source ✓  
**Target** 3  
Dataset  
Configuration  
Settings 4  
Review and finish 5

**Column mapping**  
Choose how source and destination columns are mapped

**Table mappings (1)**

<input checked="" type="checkbox"/> Source Azure Blob Storage file Target dbo.NavneetTwitter
---

**Column mappings**

> Type conversion settings

+ New mapping ⚡ Clear ⓘ ⚡ Reset ⓘ ⚡ Delete

Source (Column number)	Type	Destination	Type
1	String	→ id	varchar

**Azure SQL Database sink properties**

Pre-copy script ⓘ

```
/*
```

> Advanced

< Previous Next > Cancel

» Expand

Dashboard

Runs

Pipeline runs

Trigger runs

Runtimes & sessions

Integration runtimes

Data flow debug

Notifications

Alerts & metrics

## Pipeline runs

Triggered Debug Rerun Cancel Refresh Edit columns List Gantt

Filter by run ID or name Local time : Last 24 hours Pipeline name : 2 selected Status : All Runs : Latest runs Triggered by : All Copy filter

Add filter

Showing 1 - 2 items

Pipeline name	Run start	Run end	Duration	Triggered by	Status	Error	Run
twitterpipeline	11/23/21, 9:54:22 PM	11/23/21, 9:54:38 PM	00:00:15	Manual trigger	Succeeded		Original
CopyPipeline_yew	11/23/21, 9:49:56 PM	11/23/21, 9:50:07 PM	00:00:11	Manual trigger	Succeeded		Original

# Visualisation

The screenshot shows the Microsoft Azure portal interface for managing SQL databases. The main navigation bar at the top includes 'Microsoft Azure', a search bar, and user information ('200469315@student.ge... GEORGIAN COLLEGE (GEORGIAN...').

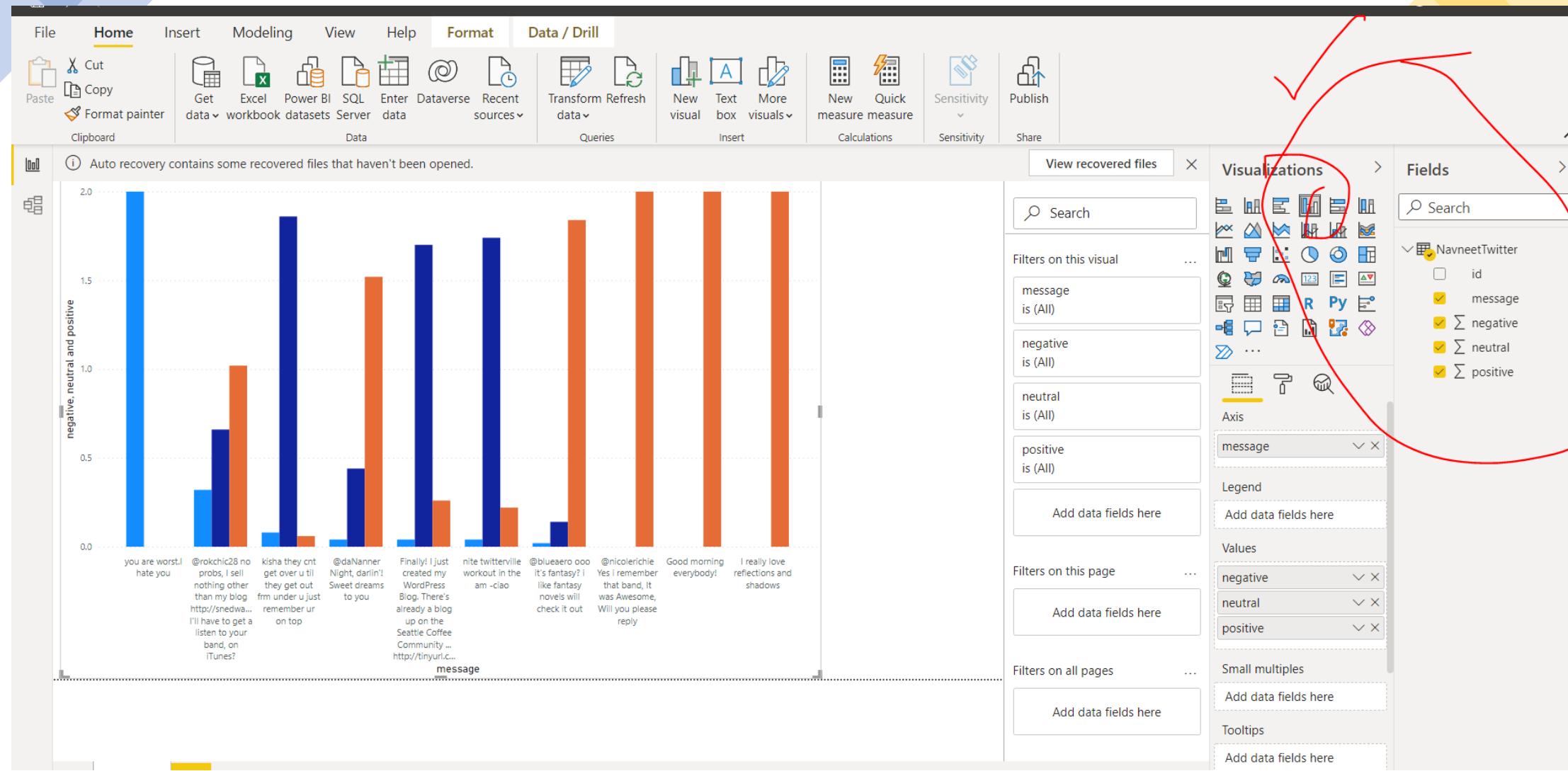
The left sidebar lists several databases under 'SQL databases': 'navneetsql (navneetserverdb/navneetsql)', 'sql-navneet-ai (server-navneet-ai/sql-n...', and 'Twitterdb (navneetserverdatabase/Twitter...'. A red circle highlights the 'navneetsql' entry.

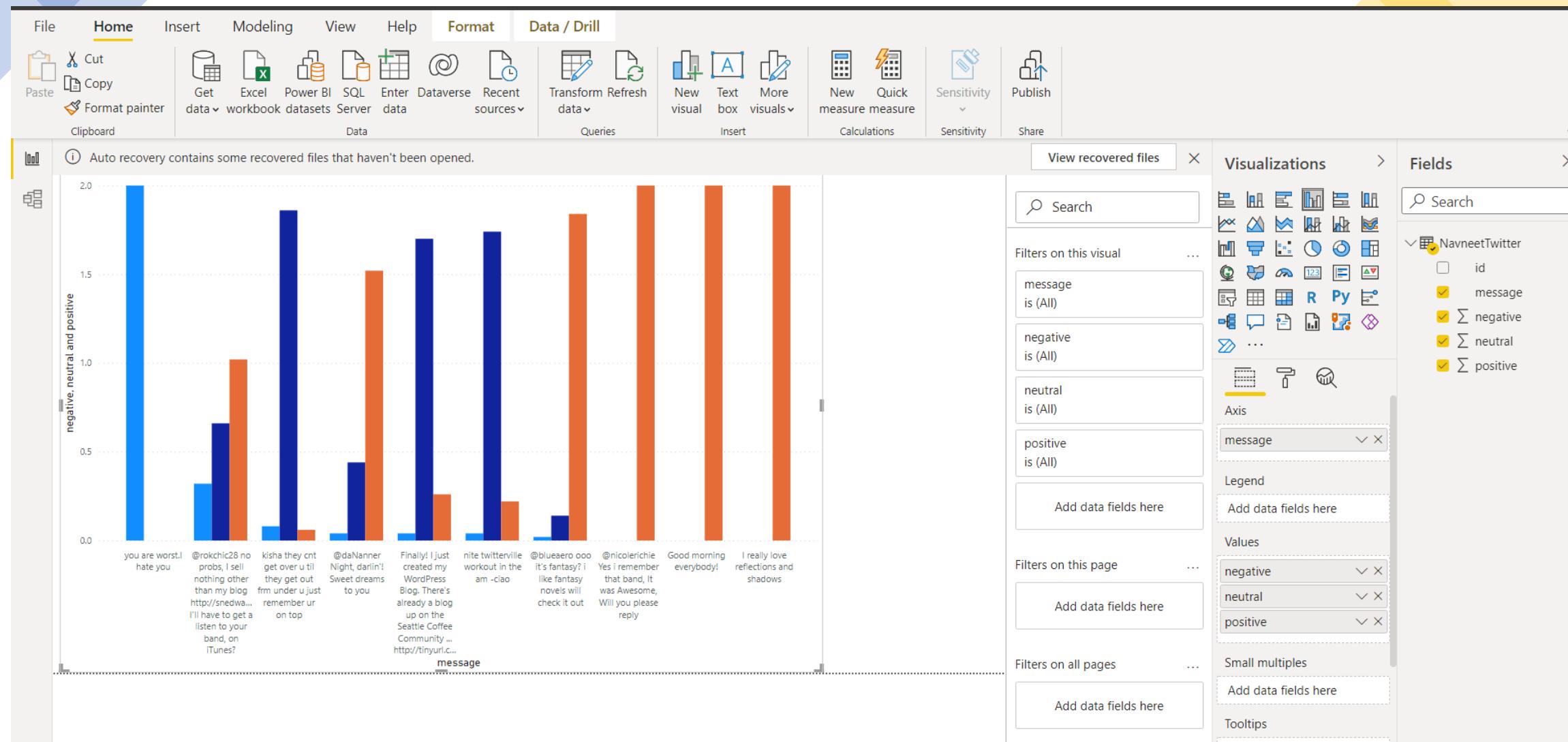
The central content area displays the details for the 'navneetsql' database. The title is 'navneetsql (navneetserverdb/navneetsql) | Power BI'. The sidebar on the left shows options like 'Overview', 'Activity log', 'Tags', 'Diagnose and solve problems', 'Quick start' (which is highlighted with a red arrow), 'Query editor (preview)', 'Power Platform' (with 'Power BI' selected), 'Power Apps', 'Power Automate', 'Settings', 'Compute + storage', 'Connection strings', 'Properties', 'Locks', 'Data management' (with 'Replicas' and 'Sync to other databases' listed), and 'Integrations'. A red circle highlights the 'Power BI' section in the sidebar.

The main content area features a 'Visualize your SQL-data in Power BI' section with a cloud icon and a bar chart. It includes a 'Get started' button and a note about getting Power BI Desktop for free. A red circle highlights this section.

Below this, there's a 'Learn to use Power BI' section with three cards: 'Get started with Power BI', 'Connect to SQL data with DirectQuery', and 'DirectQuery in Power BI'. Each card has a 'Learn more' link. A red circle highlights the first card.

At the bottom left, there's a download link for 'navneetsql (5).pbids'. A red circle highlights this link. At the bottom right, there are 'Show all' and 'X' buttons.





## Text Blob Python Code

```
import os
import uuid

from azure.storage.blob import BlobServiceClient, BlobClient, ContainerClient

try:

    connect_str = os.getenv('AZURE_STORAGE_CONNECTION_STRING')
    print(connect_str)
    # Create the BlobServiceClient object which will be used to create a container client
    blob_service_client = BlobServiceClient.from_connection_string(connect_str)

    # Create a unique name for the container
    container_name = str(uuid.uuid4())

    # Create the container
    container_client = blob_service_client.create_container(container_name)

    # Create a file in the local data directory to upload and download
    local_file_name = "uploaded.csv" + ".copy"
    upload_file_path = os.path.join("./", local_file_name)

    # Create a blob client using the local file name as the name for the blob
    blob_client = blob_service_client.get_blob_client(container=container_name, blob=local_file_name)
    print("\nUploading to Azure Storage as blob:\n\t" + local_file_name)
```

```
from azure.storage.blob import BlobServiceClient, BlobClient, ContainerClient

try:

    connect_str = os.getenv('AZURE_STORAGE_CONNECTION_STRING')
    print(connect_str)
    # Create the BlobServiceClient object which will be used to create a container client
    blob_service_client = BlobServiceClient.from_connection_string(connect_str)

    #     # Create a unique name for the container
    container_name = str(uuid.uuid4())

    #     # Create the container
    container_client = blob_service_client.create_container(container_name)

    # Create a file in the local data directory to upload and download
    local_file_name = "updated_csv" + ".csv"
    upload_file_path = os.path.join("./", local_file_name)

    # Create a blob client using the local file name as the name for the blob
    blob_client = blob_service_client.get_blob_client(container=container_name, blob=local_file_name)
    print("\nUploading to Azure Storage as blob:\n\t" + local_file_name)
```

```
# Upload the created file
with open(upload_file_path, "rb") as data:
    blob_client.upload_blob(data)

print("\nListing blobs...")

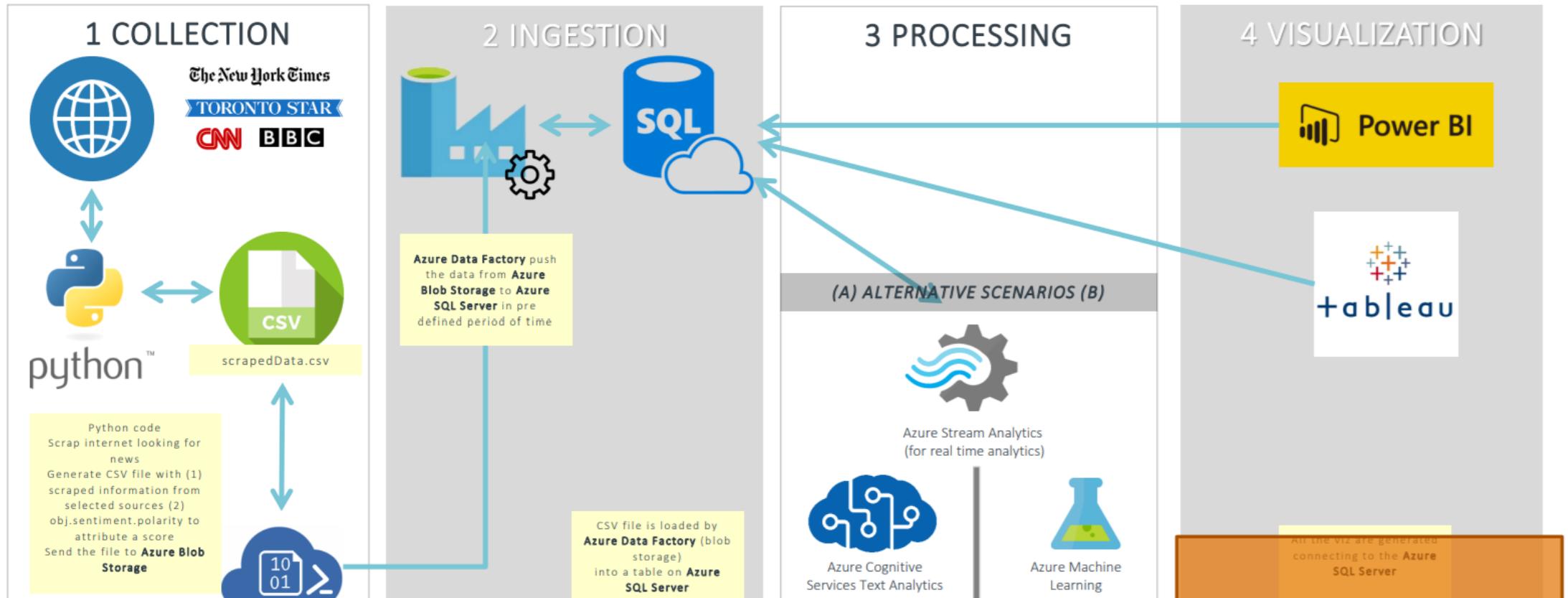
print(container_name)
# List the blobs in the container
blob_list = container_client.list_blobs()

for blob in blob_list:
    print("\t" + blob.name)

except Exception as ex:
    print('Exception:')
    print(ex)
```

# > Sentiment Analysis | Practice

## PROJECT ARCHITECTURE



An aerial photograph of a long bridge spanning a wide body of water. The bridge has a dark grey asphalt surface with white dashed lane markings. Several vehicles are visible: a white truck on the leftmost lane, a blue truck further back, a green car, a white van, and a white bus. The water below is a vibrant turquoise color with small ripples. The bridge's structure is visible at the top and bottom edges.

Thank You

