

# Lab 7: Get statistics on open AI usage.

This document describes how to build a powerBI report to query the Azure Cosmos DB of the completions table issues of the previous lab.

## Pre-requisites

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Ensure that you have the following software installed on your system before proceeding with the lab:

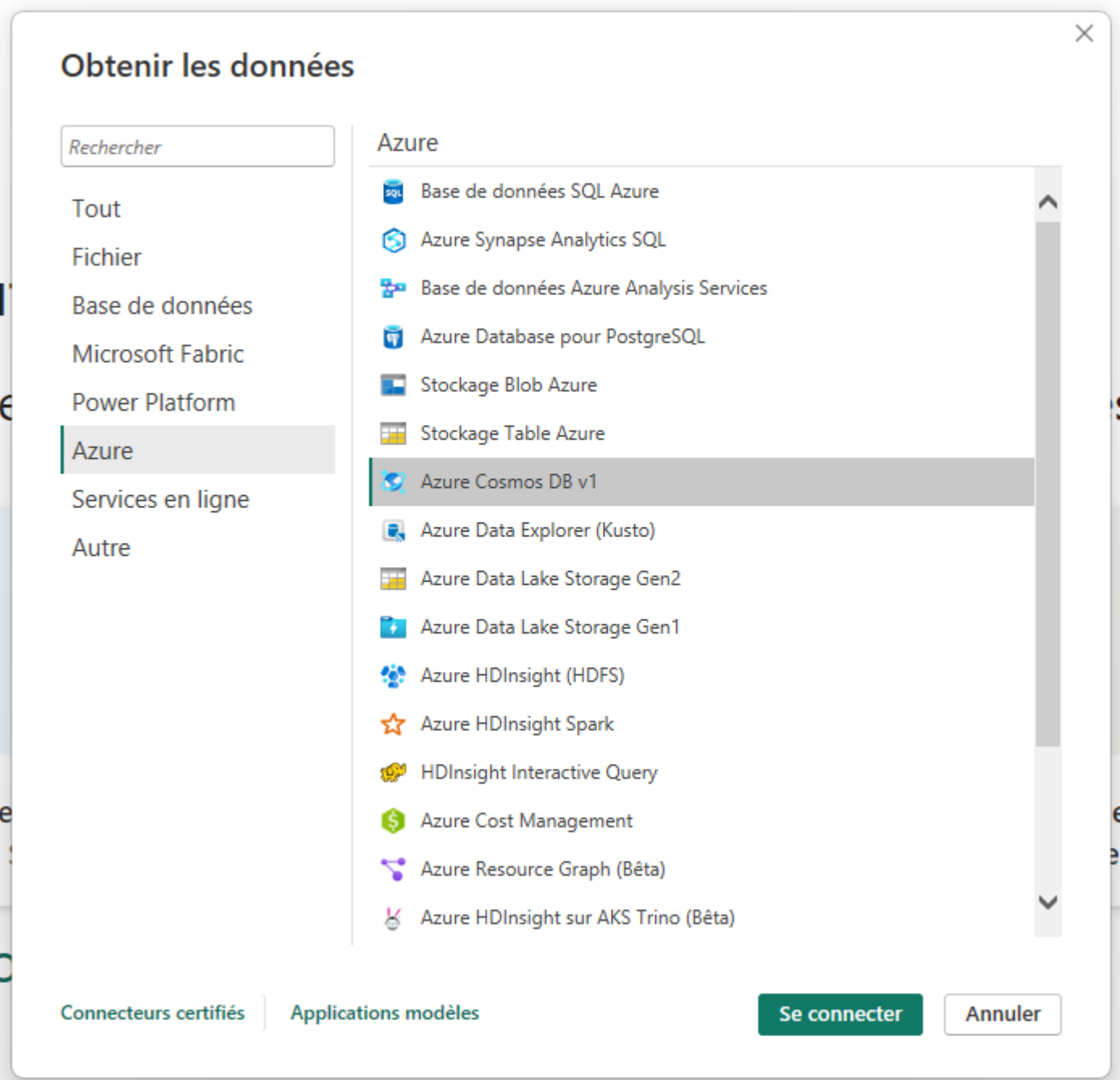
- PowerBI desktop on your laptop

# Launch powerBI desktop on your laptop.

Follow these steps to create a simple report that will give you some statistics on the usage of open AI.

Launch PowerBI desktop and connect to your data.

- Open powerBI desktop
- Click on create new report
- On the report, go to “get data.”
- Select the Azure type of data and take Azure cosmos dB V1 like below.



- Click on connect.
- Add the cosmos dB endpoint.

- To find the cosmos DB endpoint in the azure portal in your cosmos DB account go the Key parameters and you will see the endpoint and the key to connect with powerBI to the cosmos add your database and the name of your collections.

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## Azure Cosmos DB v1

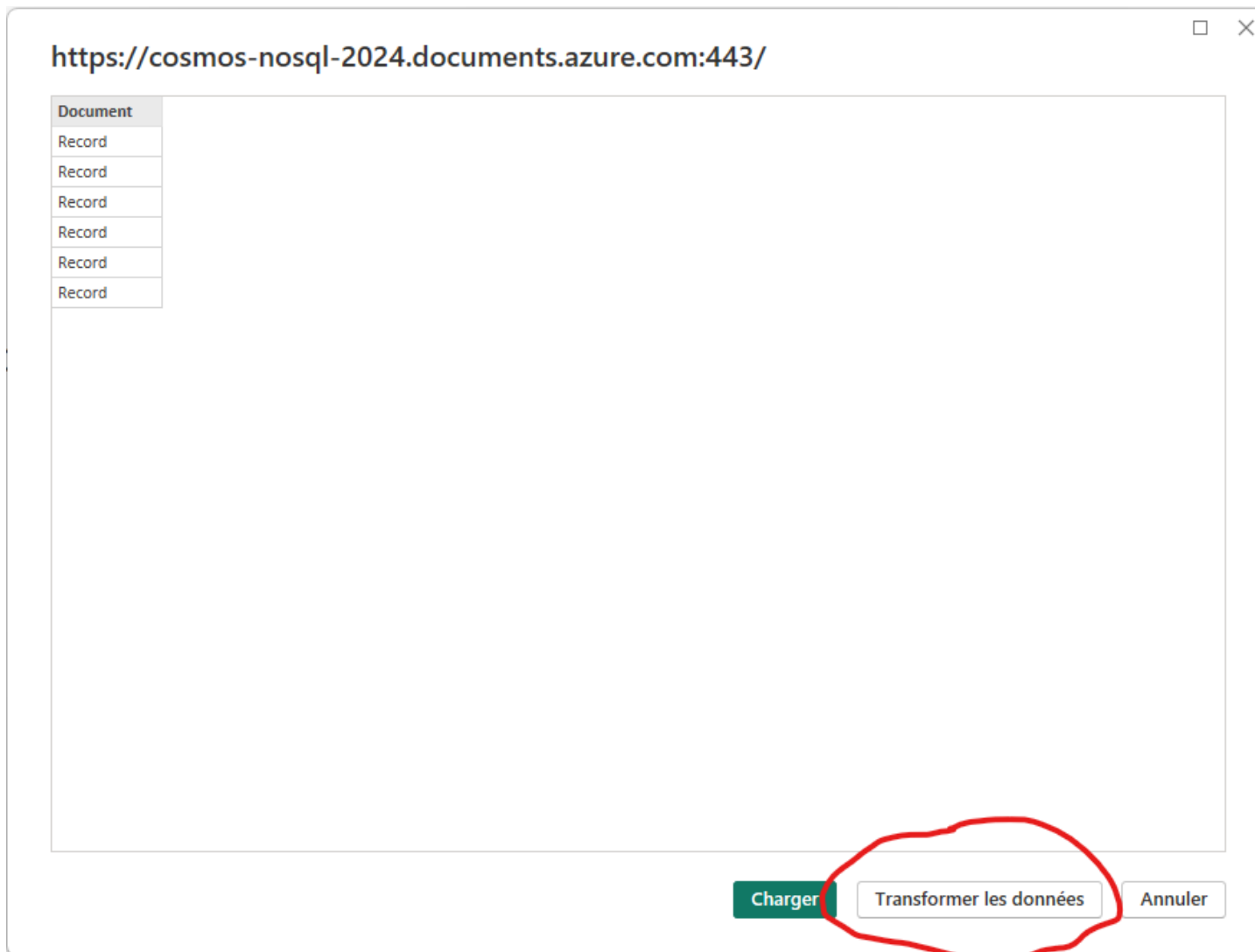
URL (par exemple : <https://contoso.documents.azure.com>)

Base de données (facultatif)

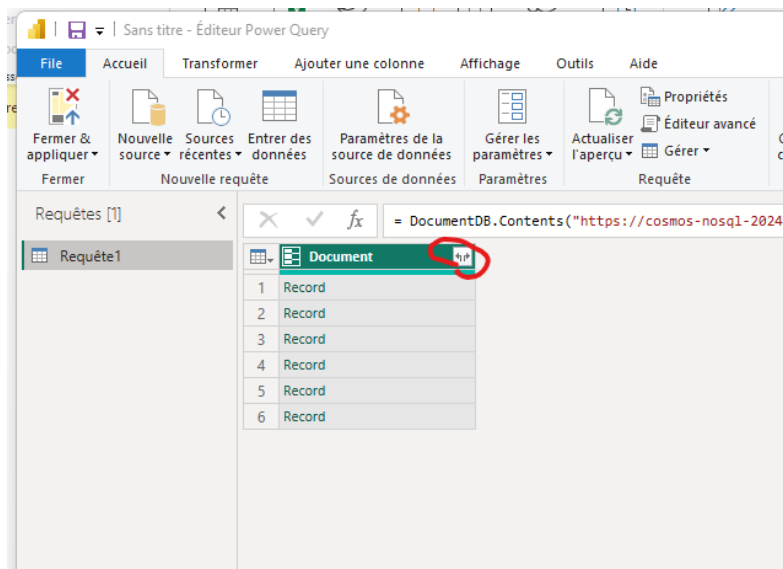
Collection (facultatif)

▷ Instruction SQL (facultative)

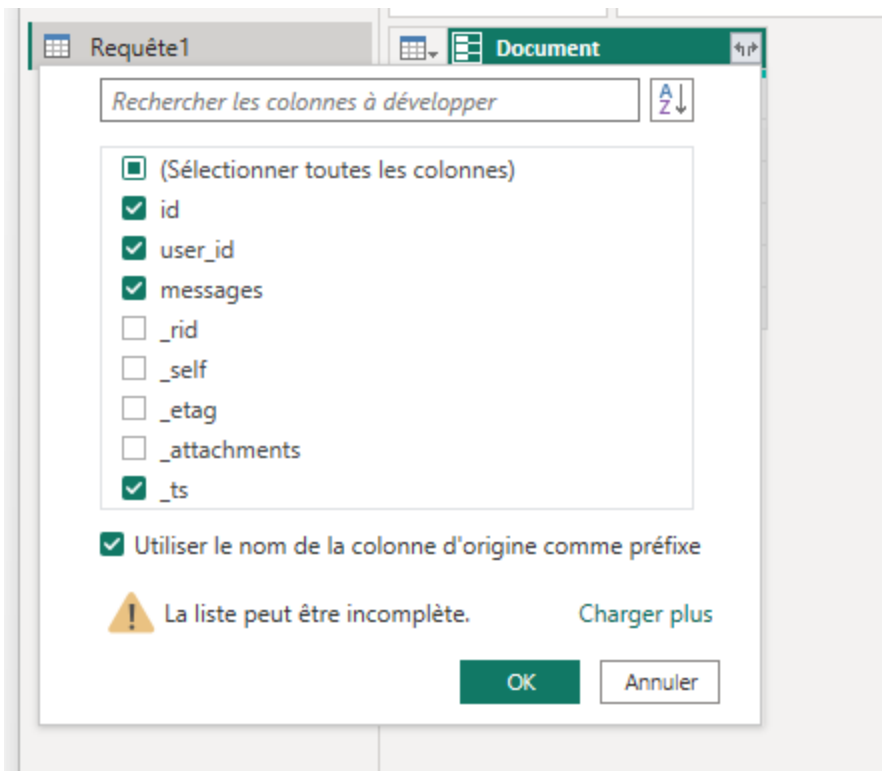
- Click on OK
- Add the key to your cosmos dB account.
- The data should appear as below.



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- Click and transform your data to format the data.
- Click on the extend to extend like below.



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- Unselect some columns like below.



- Click on ok.
- Repeat the operation for Documents.messages and Documents.messages.data

Sans titre - Éditeur Power Query

File	Accueil	Transformer	Ajouter une colonne	Affichage	Outils	Aide
Fermer & appliquer	Nouvelle source	Sources récentes	Entrer des données	Paramètres de la source de données	Gérer les paramètres	Actualiser l'aperçu
Fermer	Nouvelle requête	Sources de données	Paramètres	Requête	Propriétés	Éditeur avancé
					Choisir les colonnes	Supprimer les colonnes
					Conserv. les lignes	Supprimer les lignes
						Réduire les lignes
						Trier

Requêtes [1]	
Requête1	

Document.id	Document.user_id	Document.messages	Document._ts
20240110_115533	5b6c83e0-7d27-4c8b-944e-7d39aff98c19	List	1704884134
20240110_115539	5b6c83e0-7d27-4c8b-944e-7d39aff98c19	List	1704884140
20240110_170816	84f3be77-e96b-40a8-8732-ea437e2dcc31	List	1704902899
20240110_171935	ffccc19a-7562-47e0-8db4-b257cd8bb522	List	1704903577
20240110_171944	ffccc19a-7562-47e0-8db4-b257cd8bb522	List	1704903585
20240110_171951	ffccc19a-7562-47e0-8db4-b257cd8bb522	List	1704903594

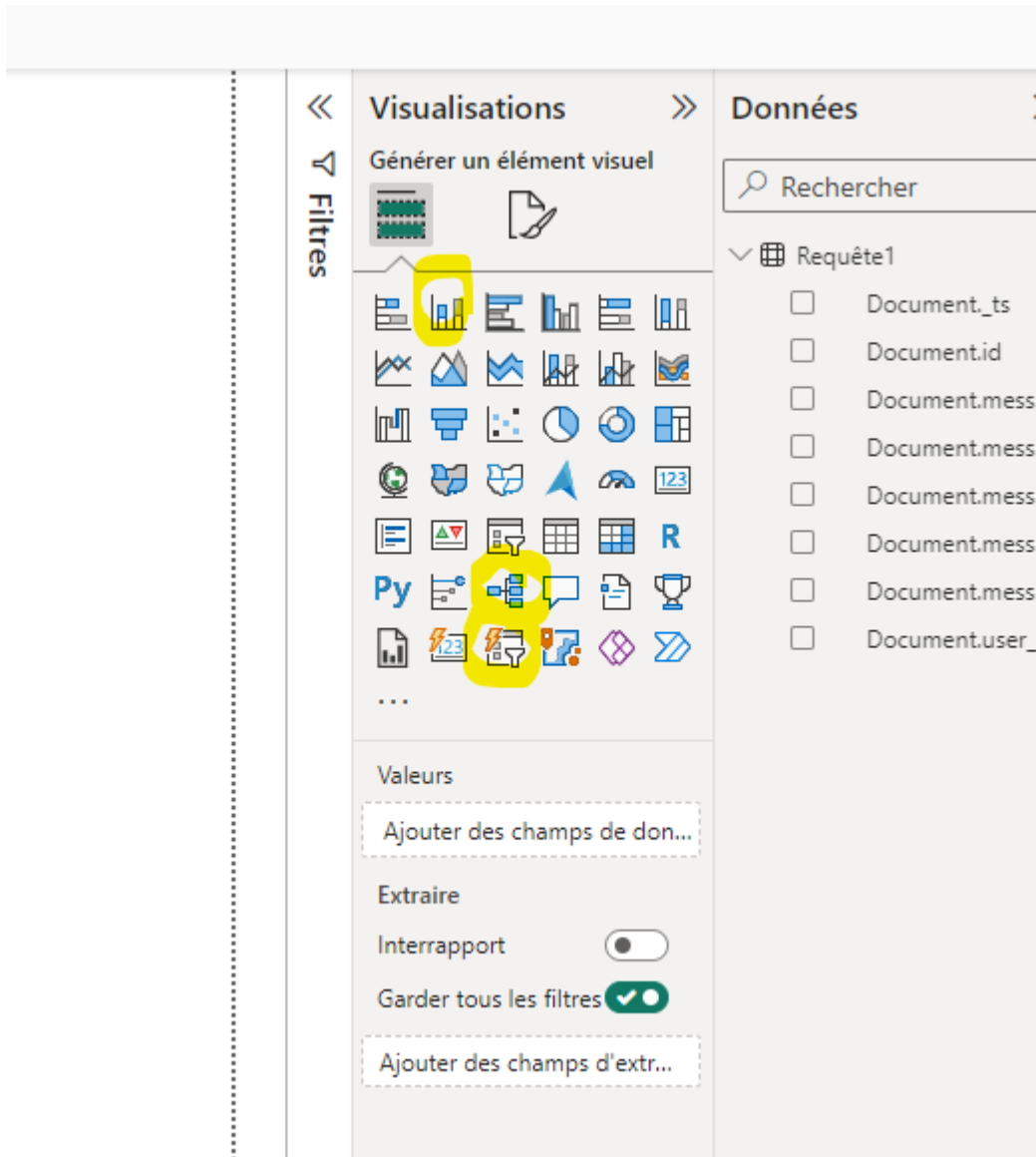
Transformer	Ajouter une colonne	Affichage	Outils	Aide
Sources récentes	Entrer des données	Paramètres de la source de données	Gérer les paramètres	Actualiser l'aperçu
Sources de données	Paramètres	Requête	Propriétés	Éditeur avancé
			Choisir les colonnes	Supprimer les colonnes
			Conserv. les lignes	Supprimer les lignes
			Réduire les lignes	Trier
			Fractionner la colonne	Regrouper par
			Type de données: N'importe lequel	Utiliser la première ligne pour les en-têtes
			Fusionner des requêtes	Ajouter des requêtes
			Analyse de texte	Vision
			Combiner les fichiers	Azure Machine Learning
			Combiner	Insights IA

Document.id	Document.user_id	Document.messages.type	Document.messages.data.content	Document.messages.data.additional_kwarg	Document.messages.data.type	Document.messages.data.example	Document._ts
20240110_115533	5b6c83e0-7d27-4c8b-944e-7d39aff98c19	human	Can you list all types of bikes?	Record	human	FALSE	1704884134
20240110_115533	5b6c83e0-7d27-4c8b-944e-7d39aff98c19	ai	There are many types of bikes, including road bikes, mountain bikes, h...	Record	ai	FALSE	1704884140
20240110_115539	5b6c83e0-7d27-4c8b-944e-7d39aff98c19	human	Can you provide more information on mountain bikes?	Record	human	FALSE	1704884140
20240110_115539	5b6c83e0-7d27-4c8b-944e-7d39aff98c19	ai	Sure! Mountain bikes are designed for off-road cycling and are typicall...	Record	ai	FALSE	1704884140
20240110_170816	84f3be77-e96b-40a8-8732-ea437e2dcc31	human	Can you provide more details on the Mountain-100?	Record	human	FALSE	1704902899
20240110_170816	84f3be77-e96b-40a8-8732-ea437e2dcc31	ai	The Mountain-100 is a mountain bike available in silver and black colo...	Record	ai	FALSE	1704902899
20240110_171935	ffccc19a-7562-47e0-8db4-b257cd8bb522	human	Can you list all types of bikes?	Record	human	FALSE	1704903577
20240110_171935	ffccc19a-7562-47e0-8db4-b257cd8bb522	ai	There are many types of bikes, including road bikes, mountain bikes, h...	Record	ai	FALSE	1704903577
20240110_171944	ffccc19a-7562-47e0-8db4-b257cd8bb522	human	Can you provide more information on mountain bikes?	Record	human	FALSE	1704903585
20240110_171944	ffccc19a-7562-47e0-8db4-b257cd8bb522	ai	Mountain bikes are designed for off-road cycling and are typically char...	Record	ai	FALSE	1704903585
20240110_171951	ffccc19a-7562-47e0-8db4-b257cd8bb522	human	Can you provide more details on the Mountain-100?	Record	human	FALSE	1704903594
20240110_171951	ffccc19a-7562-47e0-8db4-b257cd8bb522	ai	The Mountain-100 is a mountain bike available in silver and black colo...	Record	ai	FALSE	1704903594

- Click on the closet and apply.
- The data will be load and you can now build your report.

In visual do a report using the three following visual



To obtain the following report

