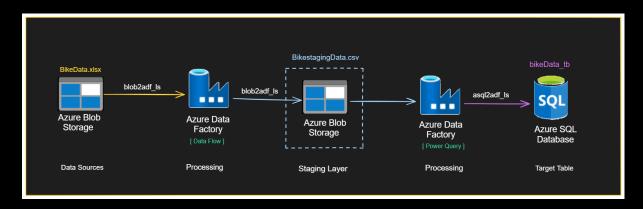
Blob Storage \rightarrow Data Factory \rightarrow staging (blob) \rightarrow powerquery(adf) \rightarrow SQL Database (pipeline):

<u>Pipeline Architecture:</u>

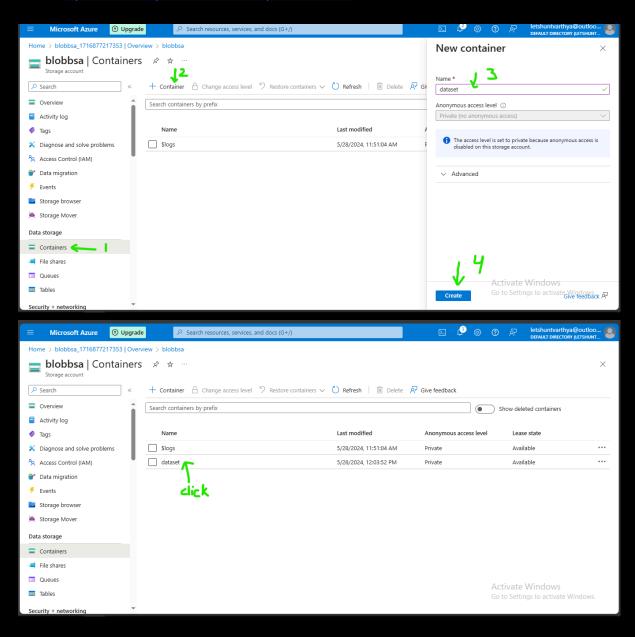


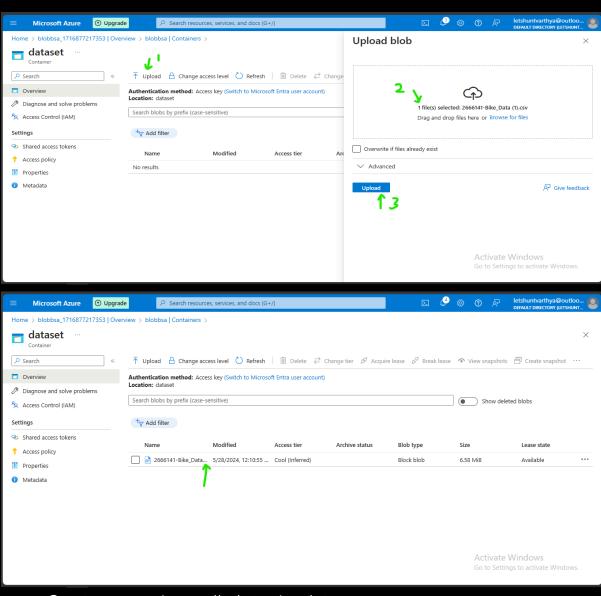
Azure Services Required :

- 1. Azure blob storage
- 2. Azure DataFactory
- 3. Azure SQL Database

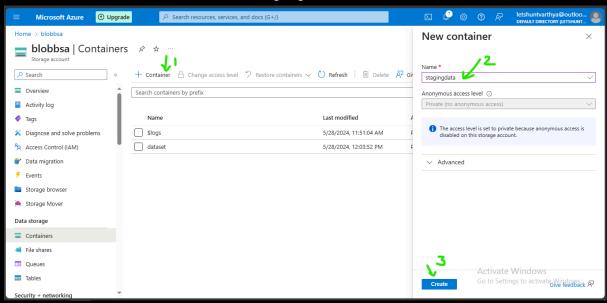
Azure Blob Storage Creation:

- Creation of azure blob storage can be shown in the document below .
- Parameters used while creating azure blob storage.
- Storage account name : blobbsa
- https://docs.google.com/document/d/1vZCMfM9ieAlTQm6Jdwl2JzxcMkwnyvkSJHCrry2kVIo/edit?usp=drive_link





• Create a container called stagingdata.

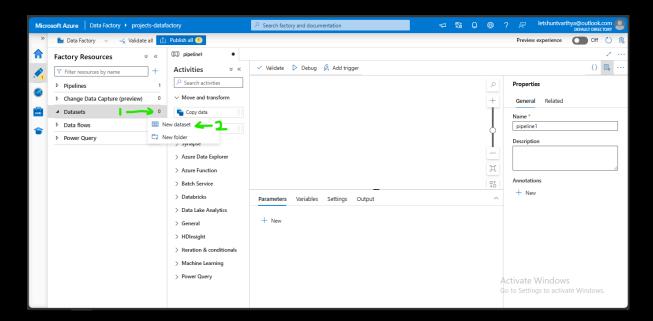


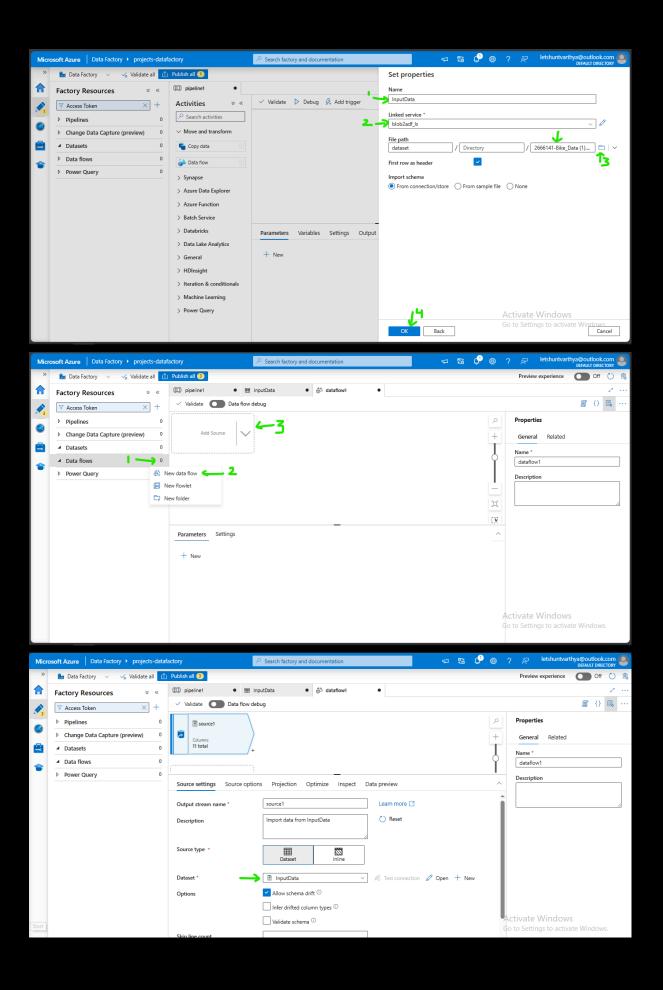
Azure SQL Database Creation:

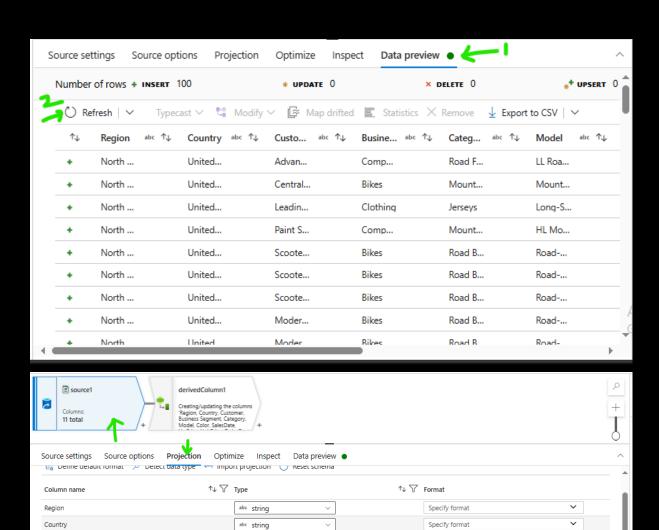
- Creation of an azure sql database is shown in the document below.
- Parameters used while creating azure sql database.
- Database name : saldb
- Server name: projectsserver
- Server admin login: project_admin
- https://docs.google.com/document/d/16iB1EsGKHc6-bcgTPSfqkK6BVf3n 8_fpbat42uNOvXc/edit?usp=drive_link

Azure Data Factory Creation:

- Creation of the data factory is shown in the document below.
- Parameters used while creating azure data factory.
- Datafactory name: projects-datafactory
- https://docs.google.com/document/d/1lpvA7XumJjbIP0wPWWUlfd_gdvh6 iTn_0a12HWv0jcM/edit?usp=sharing
- Click on Go to resource.
- Click on launch workspace.
- Now let's do the transformations on data







abc string

abc string

abc string

abc string

1.2 double

1.2 double

123 integer

string

Customer

Category

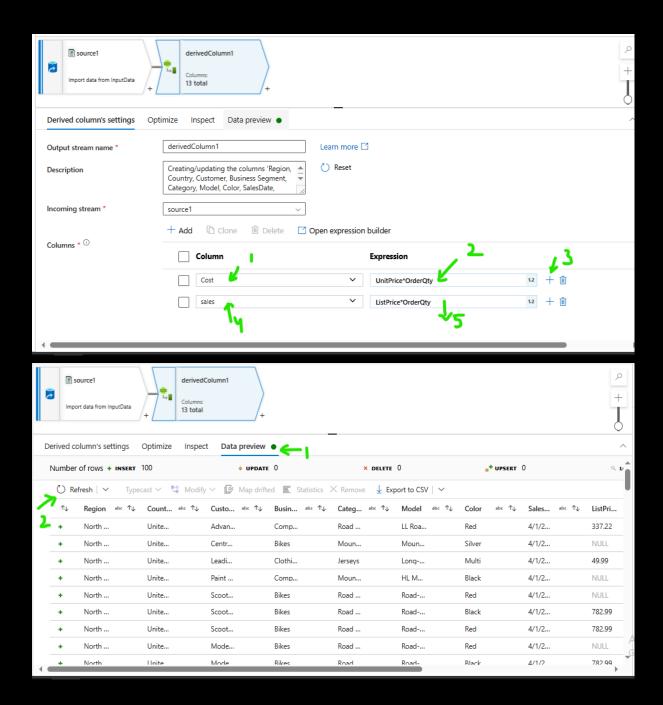
Color

SalesDate

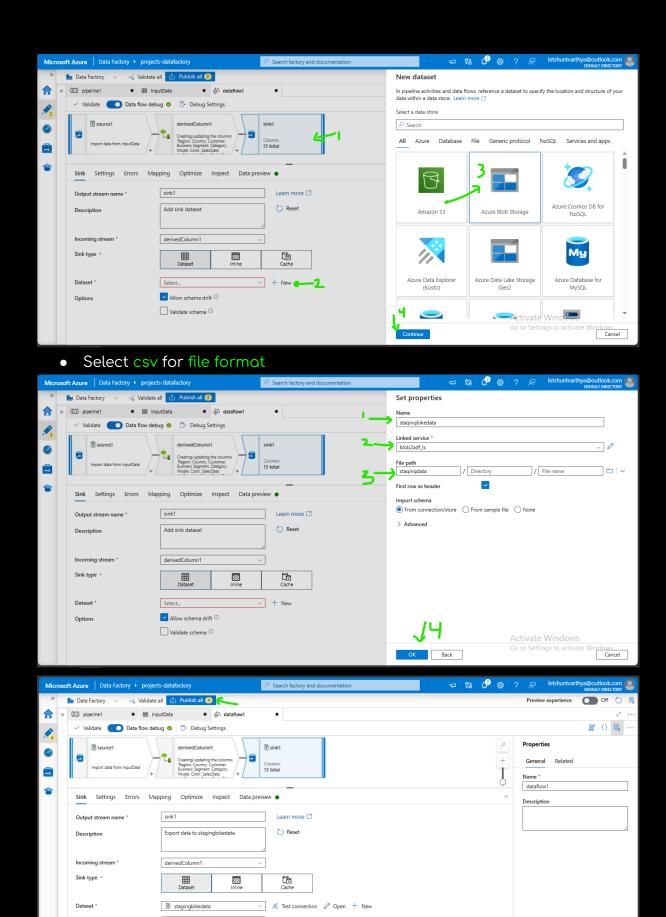
ListPrice

OrderQty

Specify format

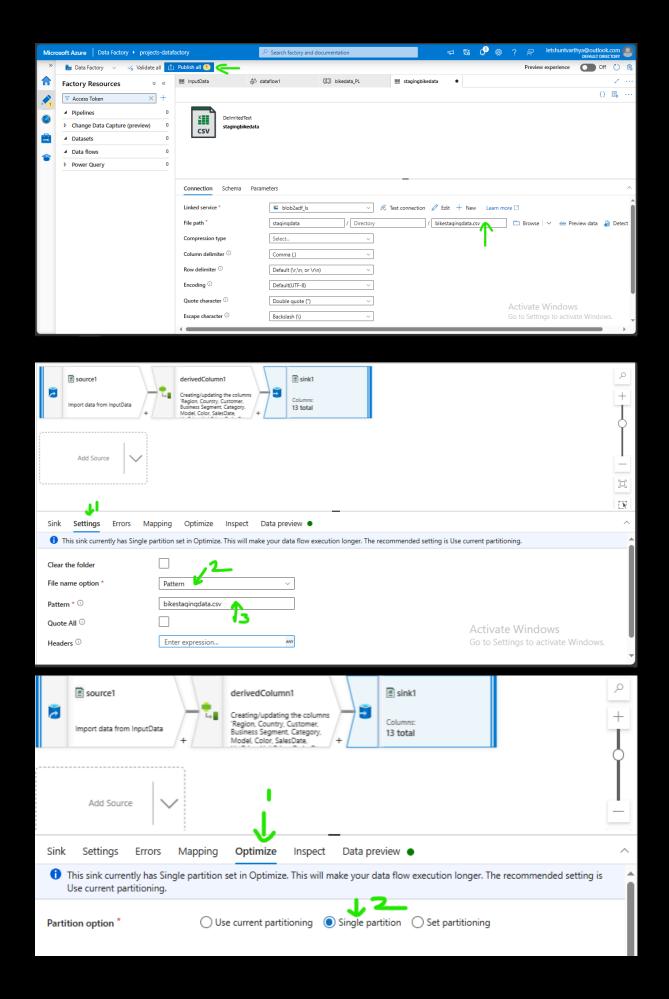


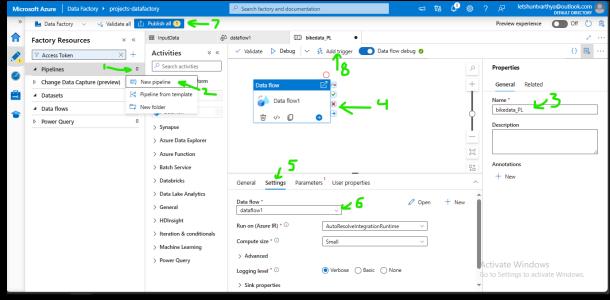
• Lets load these data into stagingdata (blobbsa).



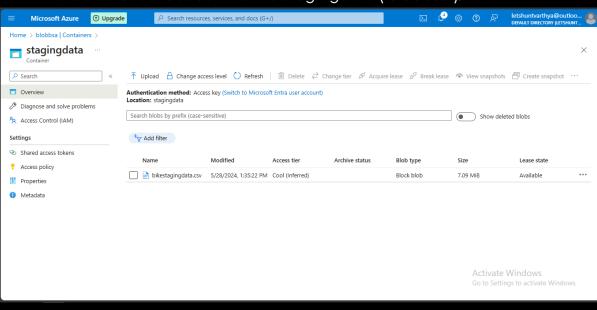
Validate schema ①

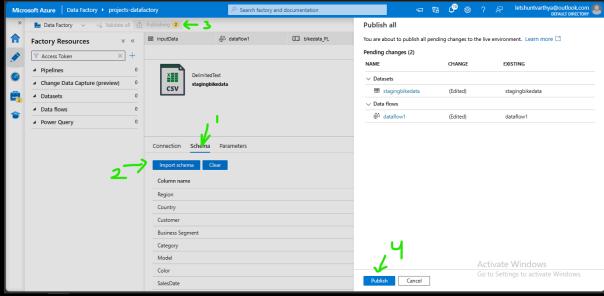
Activate Windows



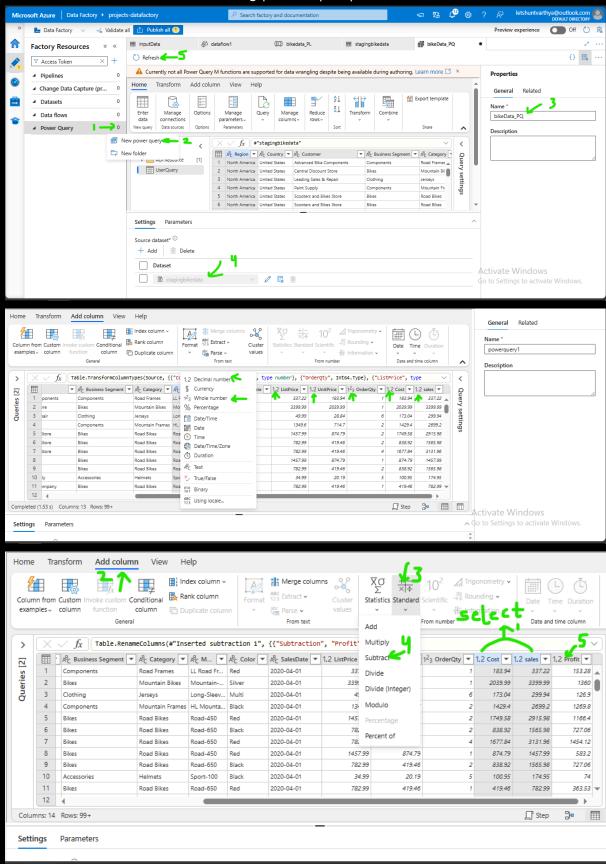


• Data has been loaded into the stagingdata (blobbsa).

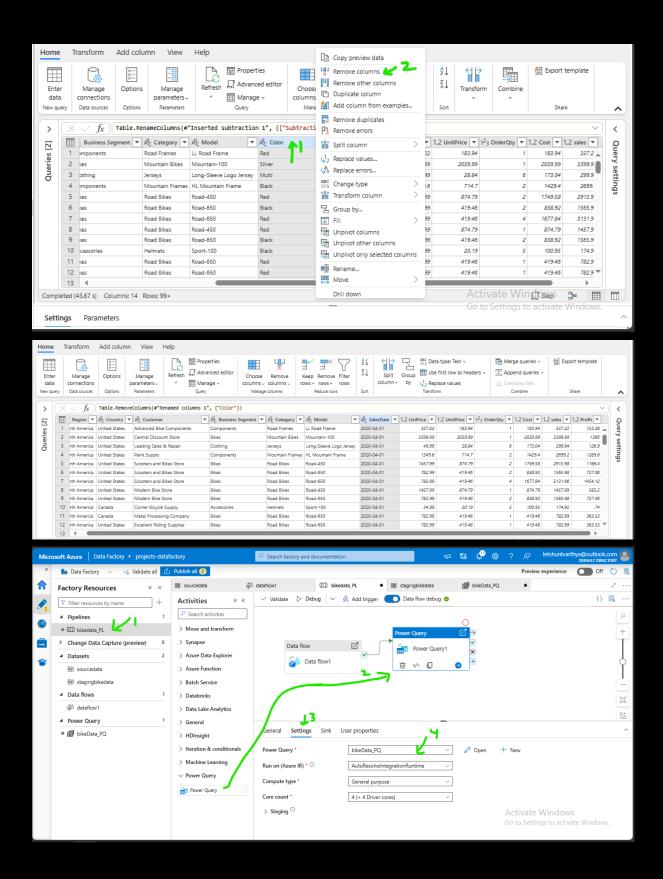


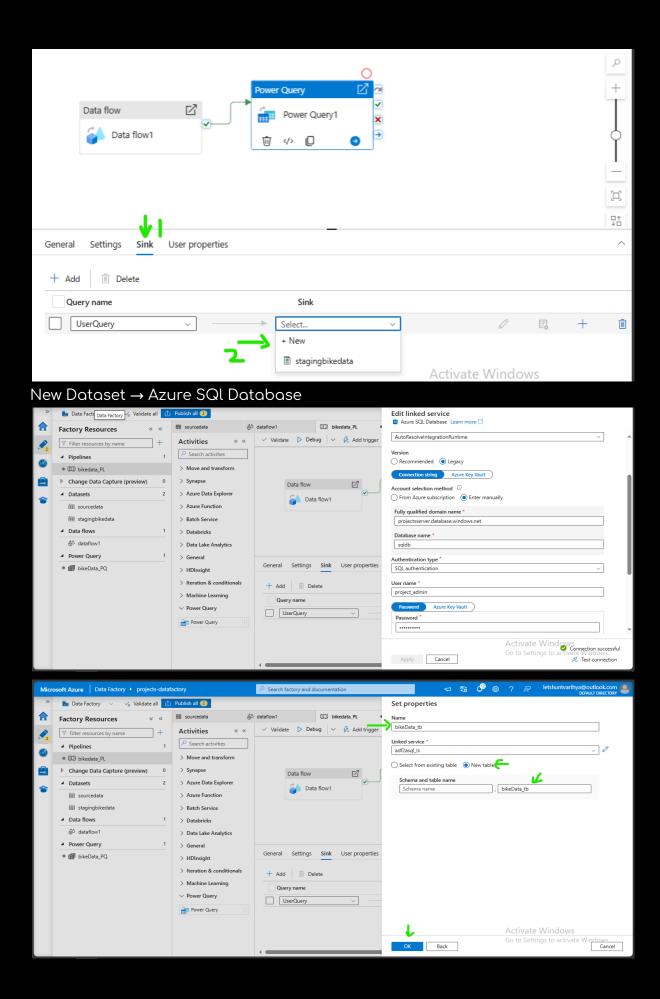


• Last transformations using power query.

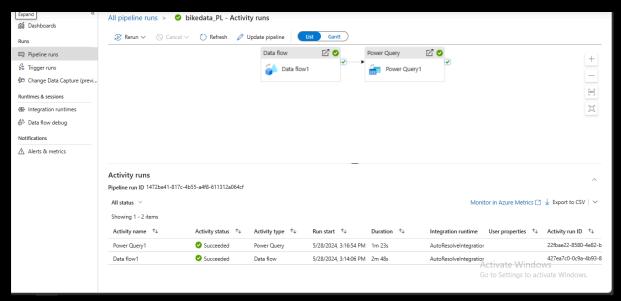


Deleting the color column.





- Publish all \rightarrow publish
- Add Trigger → Trigger now → ok



• Lets see the data in Azure sql Database

