

Final project - intermediate progress report

Title : Analysis of Food Diets and the Relationship between Diet, Health, and COVID-19 using Power BI and Azure

Names & Roles:

Swarna Kumar Vusa : Power BI

Sandeep Chanda : Power BI

Jahavi Kolla : Web Page

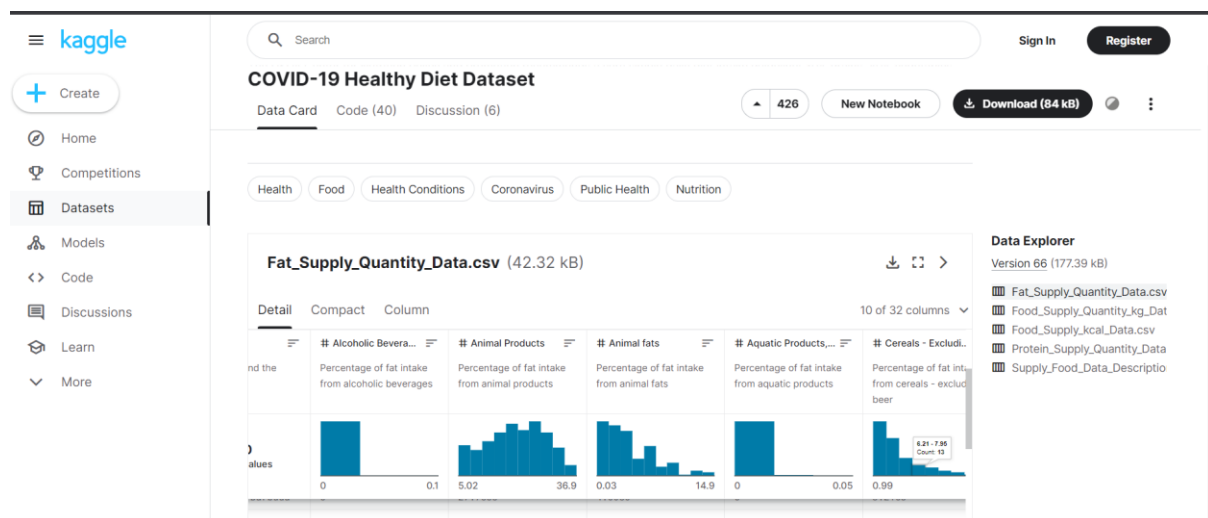
Aditya kothamasu: Azure Cloud

Cloud technologies/services used

- **Azure SQL database**
- **Azure database server**
- **Azure resource group**
- **Azure storage account**

Things that have been tried/accomplished

Step1: We have downloaded food diet data from Kaggle



Step2: Created azure SQL database and server

Microsoft Azure

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

Home > Microsoft.SqlDatabase.newDatabaseNewServer_85c892469e6c4df8a909b | Overview

FoodDietDetails (fdcc/FoodDietDetails)
SQL database

Search

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

This database was just created. Do you need any help [getting started?](#)

Essentials

Resource group (move) : [FDRC](#)

Status : Online

Location : East US

Subscription (move) : [Azure subscription 1](#)

Subscription ID : f30f41c4-e766-43fc-8eb9-9e3d6936d769

Tags (edit) : [Click here to add tags](#)

Server name : [fdcc-database.windows.net](#)

Elastic pool : [No elastic pool](#)

Connection strings : [Show database connection strings](#)

Pricing tier : [Basic](#)

Earliest restore point : No restore point available

Show data for last: **1 hour** 24 hours 7 days

Aggregation type: Max

Compute utilization

Database data storage

0.2% USED SPACE

Used space 4 MB

Microsoft Azure

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

Home > Microsoft.SqlDatabase.newDatabaseNewServer_85c892469e6c4df8a909b | Overview

Microsoft.SqlDatabase.newDatabaseNewServer_85c892469e6c4df8a909b
Deployment

Search

Delete Cancel Redeploy Download Refresh

Your deployment is complete

Deployment name: Microsoft.SqlDatabase.newDatabaseNewServe... Start time: 4/23/2023, 1:34:45 PM

Subscription: [Azure subscription 1](#) Correlation ID: 63750dc5-e5d8-4979-8db5-6269360d1112

Resource group: [FDRC](#)

Deployment details

Next steps

[Go to resource](#)

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Microsoft Defender for Cloud

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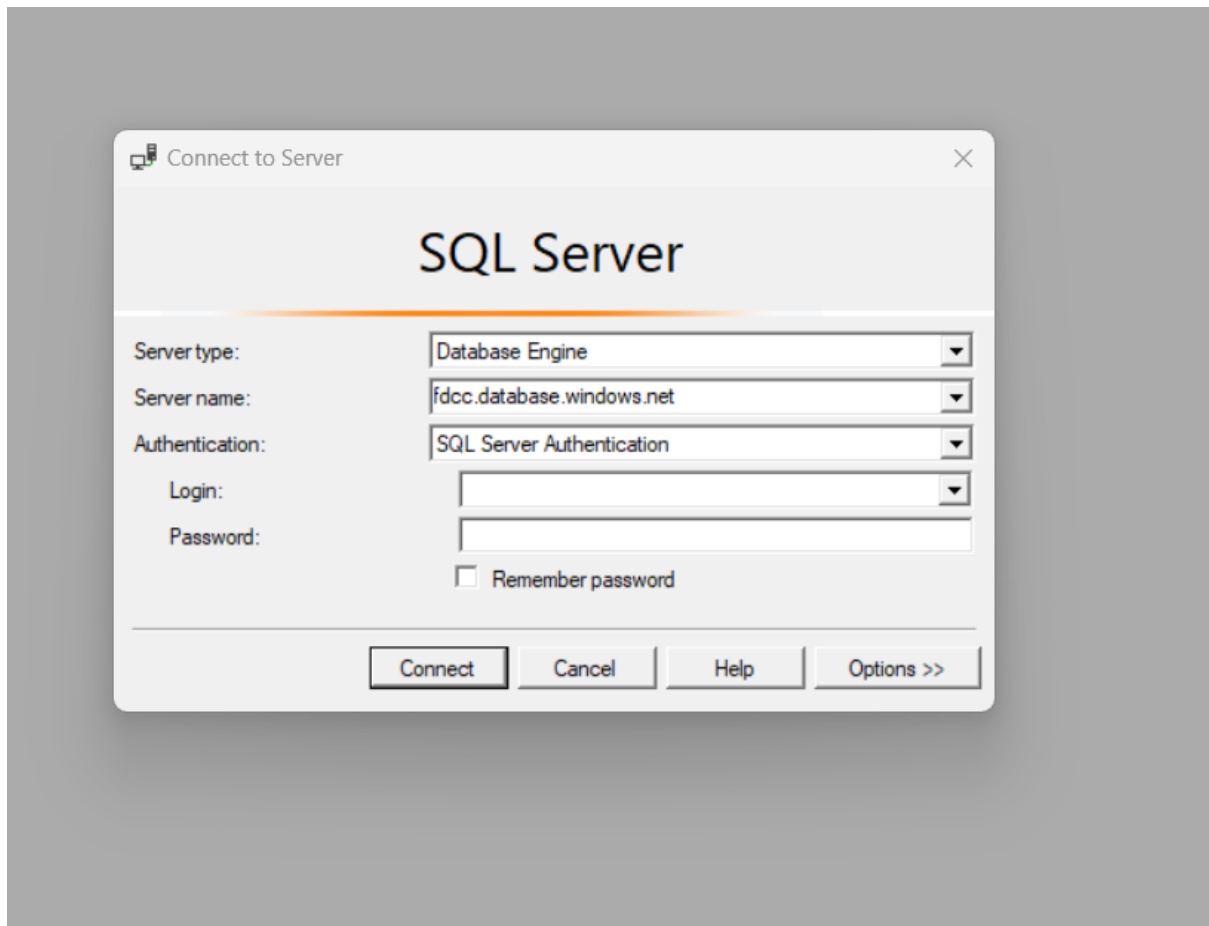
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Step 3: uploaded csv file in to azure database by connecting azure sql server by using server name



after connecting to azure sql server from local Microsoft sql server we have loaded csv file

Step4: by using Microsoft sql server manager we can do sql quering to create views which we can use in power bi to develop a dashboard

Connect ▾

Programability

Security

FoodData

Database Diagrams

Tables

System Tables

External Tables

Graph Tables

dbo.Fat_Supply_Quantity_Data

Columns

Country (nvarchar(50), not null)

Alcoholic_Beverages (float, not null)

Animal_Products (float, not null)

Animal_fats (float, not null)

Aquatic_Products_Other (float, not null)

Cereals_Excluding_Beer (float, not null)

Eggs (float, not null)

Fish_Seafood (float, not null)

Fruits_Excluding_Wine (float, not null)

Meat (float, not null)

Miscellaneous (float, not null)

Milk_Excluding_Butter (float, not null)

Offals (float, not null)

Oilcrops (float, not null)

Pulses (float, not null)

Spices (float, not null)

Starchy_Roots (float, not null)

Stimulants (float, not null)

Sugar_Crops (float, not null)

Sugar_Sweeteners (float, not null)

select *
from [dbo].[Fat_Supply_Quantity_Data]

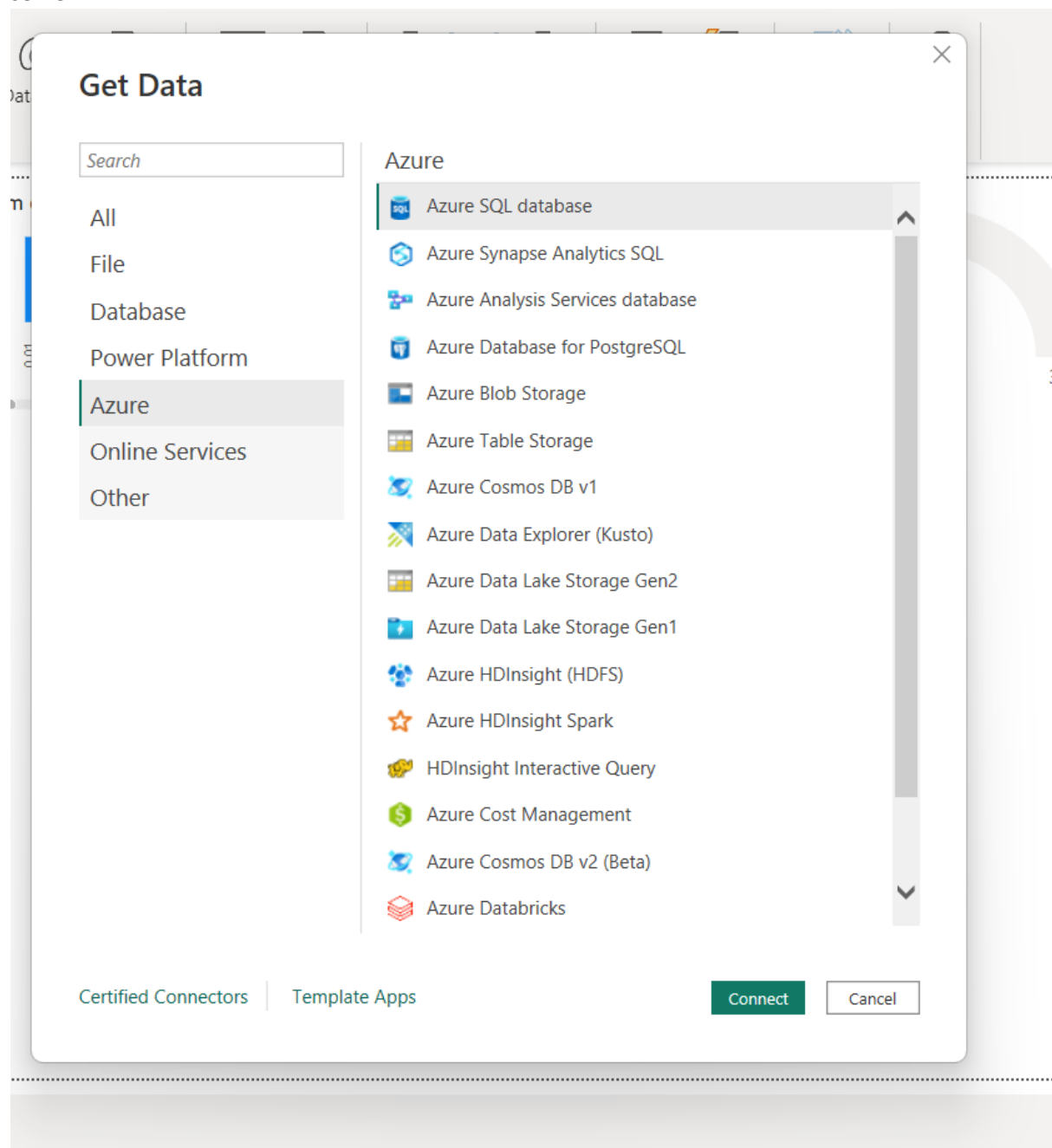
100 % ▾

Messages

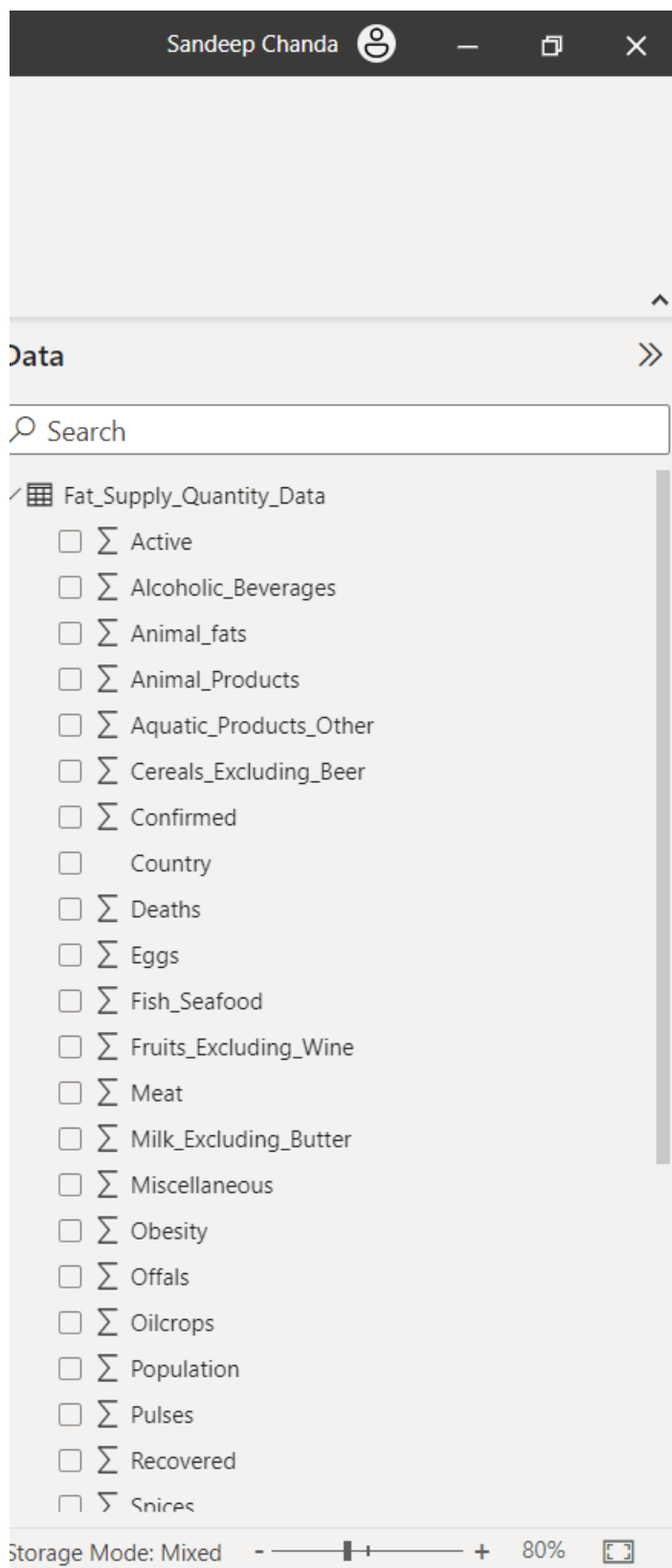
Msg 208, Level 16, State 1, Line 1
Invalid object name 'dbo.Fat_Supply_Quantity_Data.csv'.

Completion time: 2023-04-23T16:07:56.4226659-05:00

Step 5: now we have to pull data to power bi from azure data base by connecting azure SQL database server

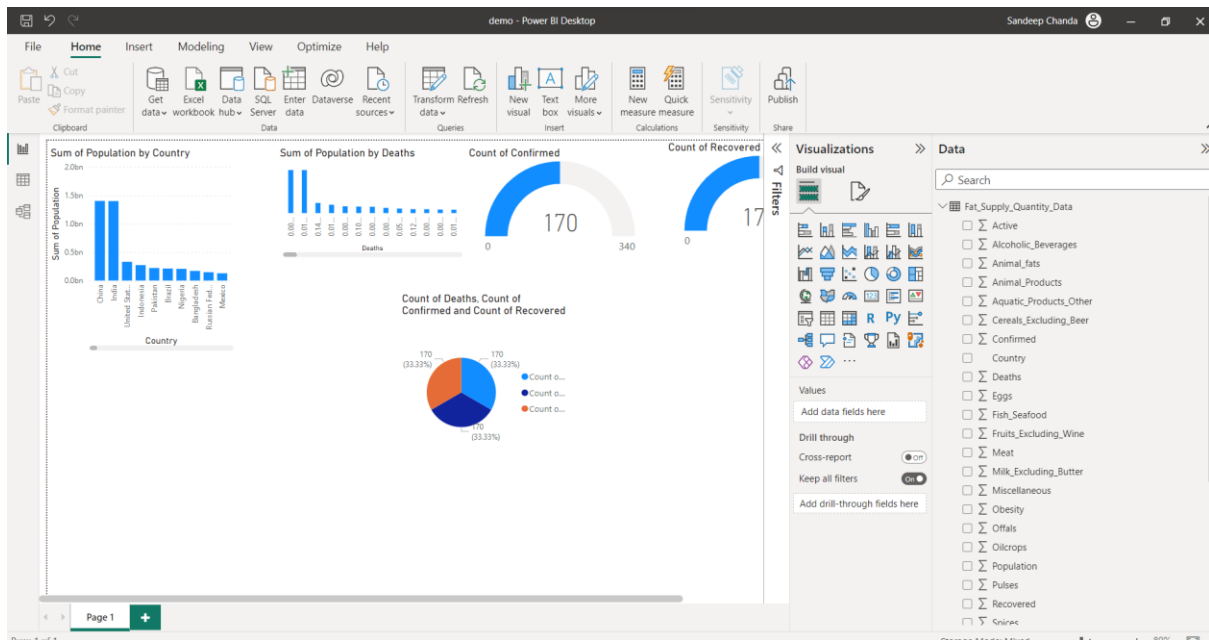


Loaded data to power BI successfully



Step6:

Started working on dashboard



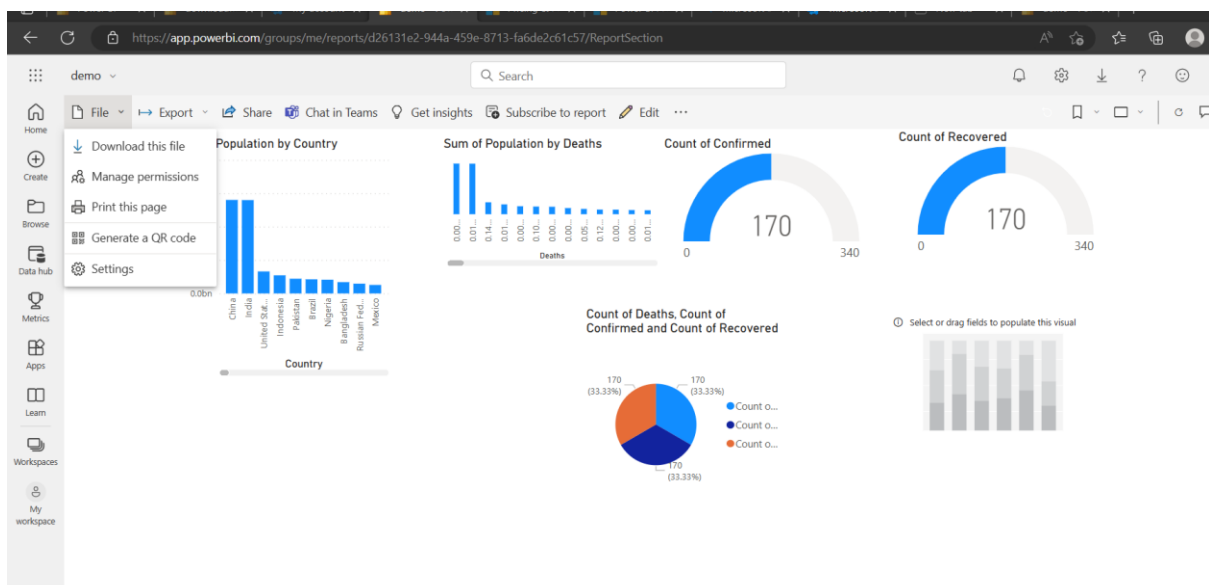
Things to do

- Complete dashboard and Publish to web
- Deploy web page in azure cloud

Challenges

- Connecting azure data base server from local Microsoft sql server is a big task after hours of browsing web finally able to connect and loaded csv file
- **Now we got stuck with power BI we are not able publish our dashboard to web**

published dashboard to powerbi account to check we are able to upload in web being a free license user I don't have feature to publish dashboard in web



So I try to upgrade from free version to pro version unable do because I don't have admin accesses power BI won't accept personal email to create account so I raised ticket to UM IT service team once we get admin approval we can load our dashboard to web



Get started with **Power BI Pro**

for £8.20 user/month

Price shown in GBP. Currency may vary by country.

1 Welcome back, Sandeep

2 Since you're already a customer

3 We can skip a couple steps

4 **Request Power BI Pro**

We've sent your request to your admin. If you need to add or remove people from this request, you can update it later.

5 Start using Power BI Pro

Get more powerful data analysis with **Power BI Pro**

What you can do	Power BI Free	Power BI Pro
Create Power BI Pro workspaces	--	●
Discover and interact with other users' datasets, dashboards, and reports with other Power BI Pro users	--	●
Share datasets, dashboards, and reports with other Power BI Pro users	--	●
Use and collaborate on Power BI in Microsoft Teams	●	●
Get intelligent and augmented analytics capabilities	--	●



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Your account (sc996@umssystem.edu) doesn't have permission to view or manage this page in the Microsoft 365 admin center.

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Productivity Apps»

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Consolidation**

Mail Modernization

**Transformation
Management**

Power BI

[< Back to Microsoft 365 Resources](#)

Power BI is a suite of business analytics tools used to share and distribute reports with others. It allows you to easily connect to your data sources, visualize what's important and share with anyone. You'll be able to build robust reporting and analysis with Power BI's tools for analyzing and visualizing data. You can also share interactive reports with Power BI embedded service.

- Active students, staff and faculty are eligible for Power BI.
- Power BI Standard is free. Power BI Pro has an annual cost. Please contact you University software procurement office or campus help desk for purchasing and availability.
- Power BI is available through the Microsoft Office 365 portal or directly at <https://powerbi.microsoft.com/>.

The [University help desks](#) can help you get logged in and started. Please use the training resources below as your primary source of support.

Resources

- [Get started with Power BI Desktop](#)
- [Power BI documentation](#)
- [Power BI Guided Learning](#)

Reviewed 2020-05-20

Service Request 1418922 has been created {CMI: MCID4171763}



UMKC IT Request System

To: Chanda, Sandeep



Sun 4/30/2023 8:08 PM

UMKC

Service Request 1418922 has been created

Requestor Details

Requestor: Sandeep Chanda
Requestor Email: sc996@mail.umkc.edu
Requestor Phone: (818) 783-4537

Service Request Details

Service Request Number: 1418922
Summary: Request Software

Your Service Request has been opened and we will begin processing your request shortly.