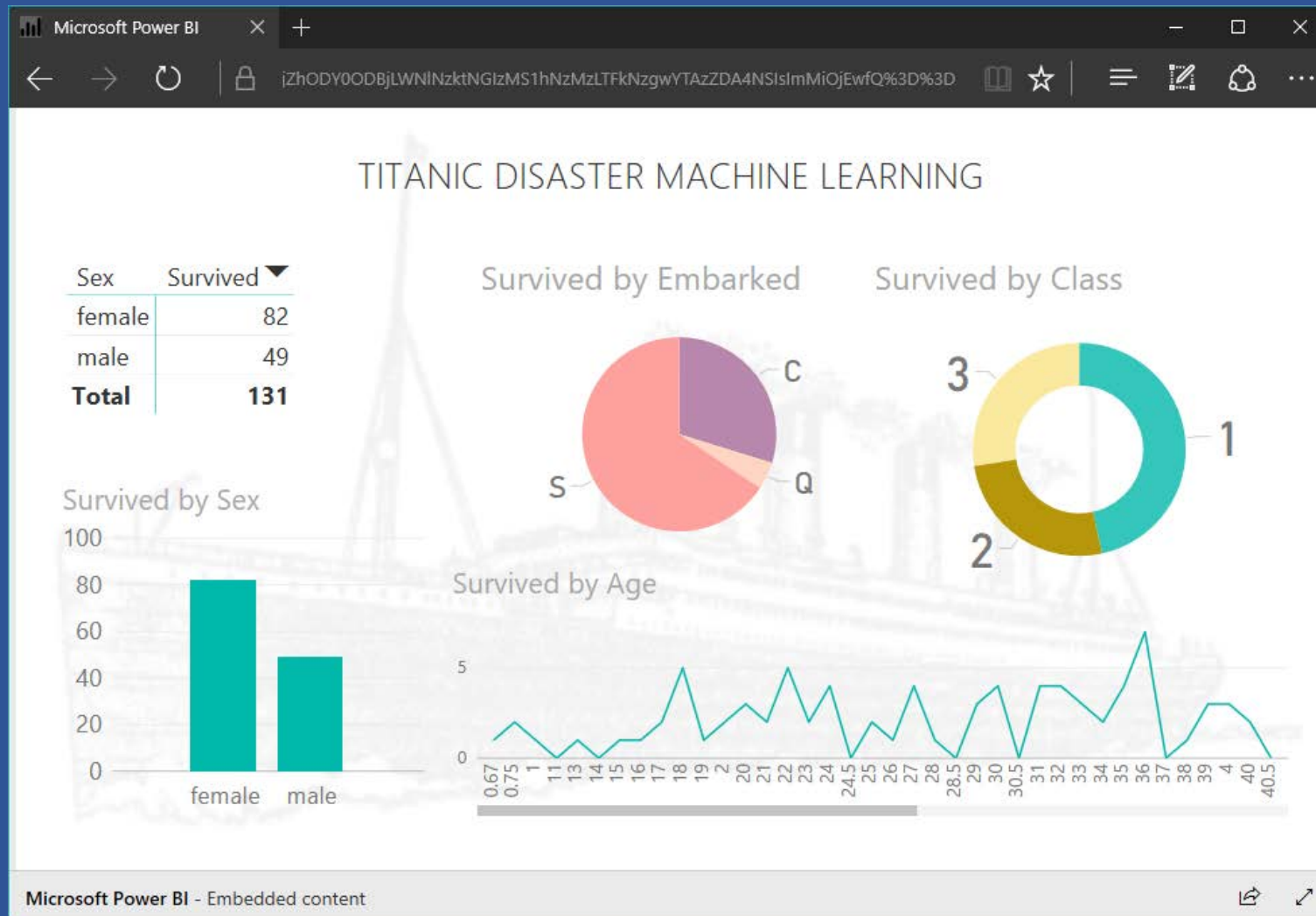# POWER BI AND ML

Power BI and ML

In this session

- Create and publish ML BI Report
- Get Dataset from GitHub
- Import or Connect to Data
- Get dataset from OneDrive
- Connect to dataset
- Create Report Title
- Add summarize matrix
- Add Column chart
- Add Pie chart
- Add Line chart
- Add Donut chart
- Add report background
- Publish Report

GreatFriends.Biz

Power BI and ML
Create and publish ML BI Report

GreatFriends.Biz

Power BI and ML
Get Dataset from GitHub

1. Go to https://github.com/laploy/ML
2. right click at TitanicBI.csv/save link as...
3. save file to ML folder created from previous session

Power BI and ML

Go to Power BI home

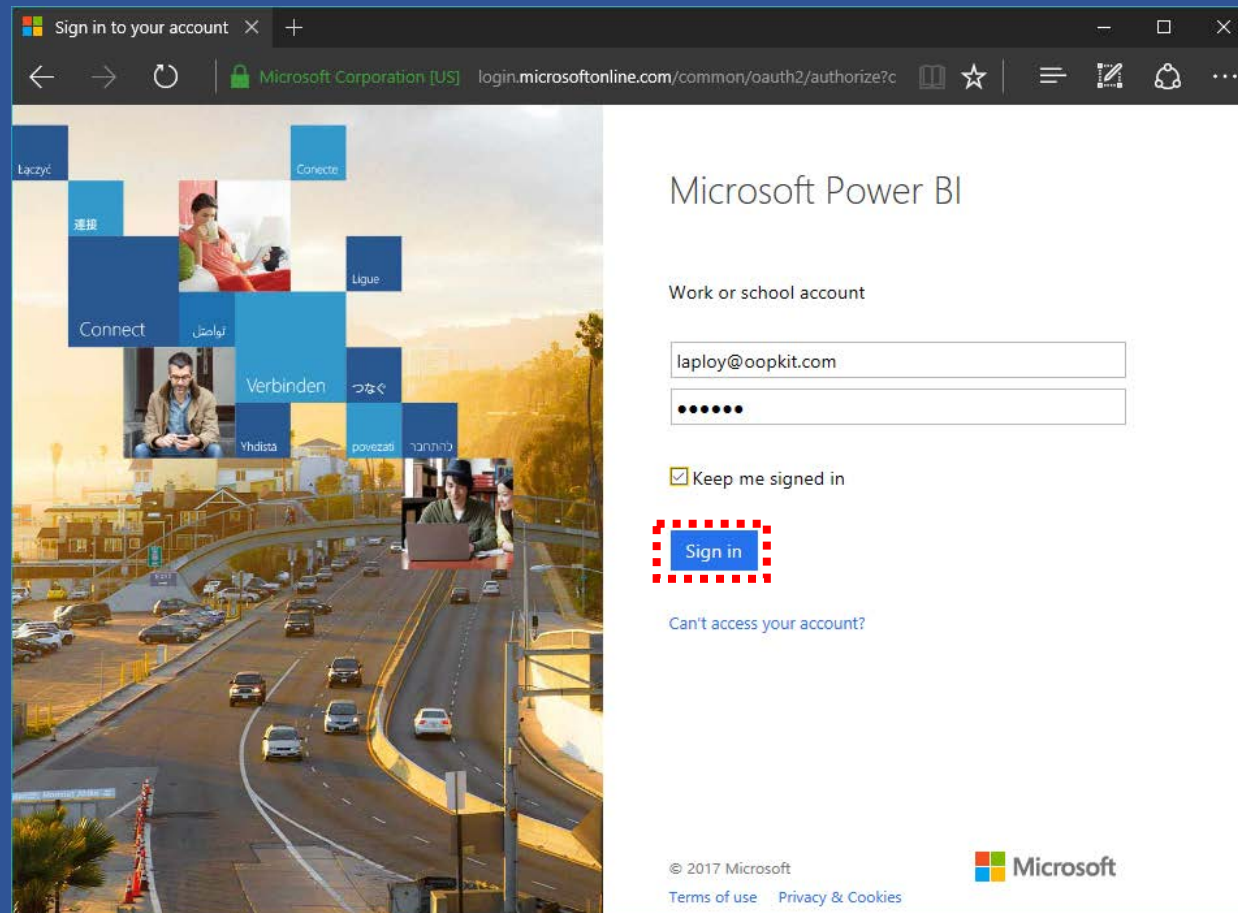**https://powerbi.microsoft.com/en-us**
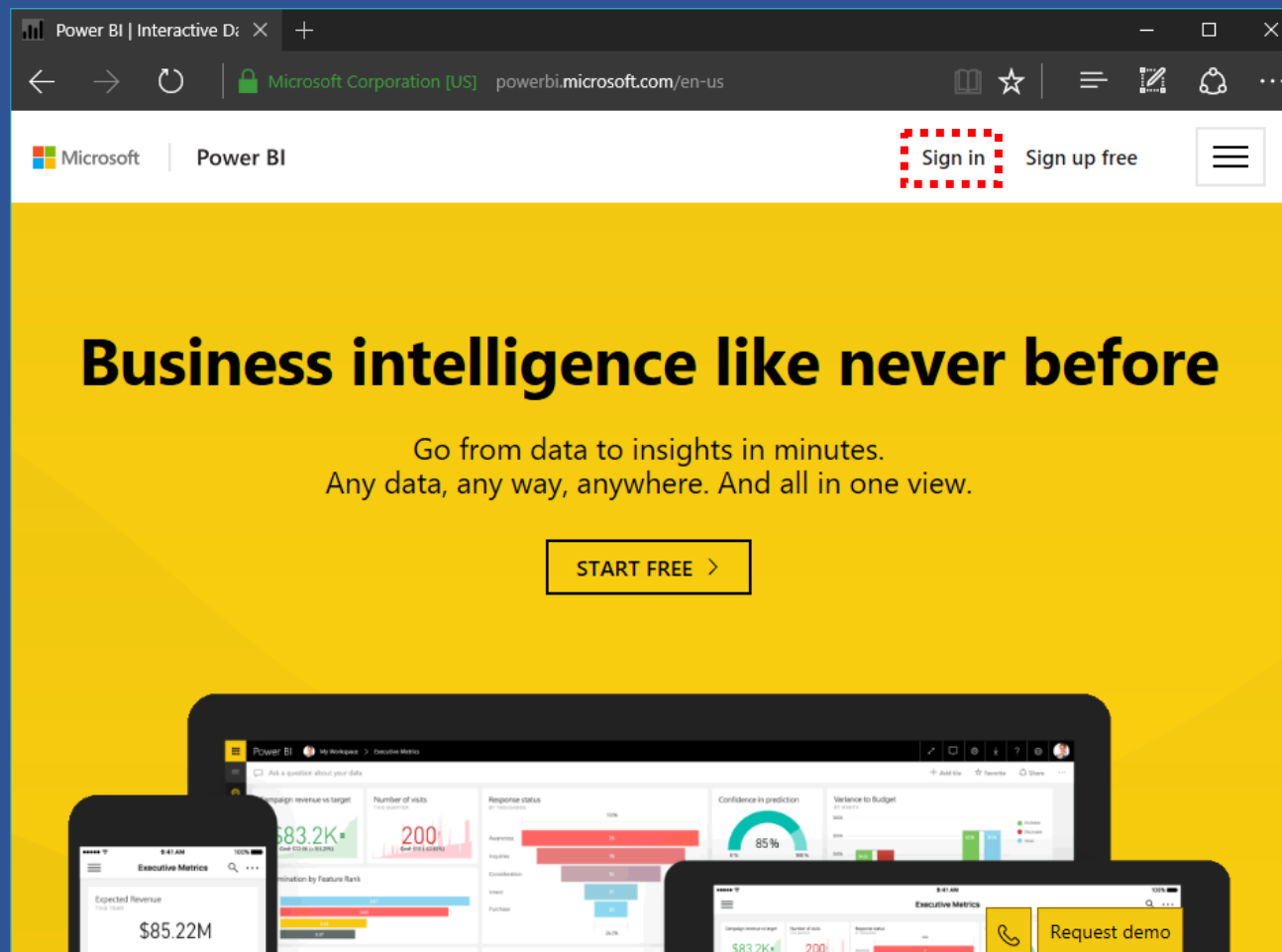
Power BI and ML
Login to Power BI

Login with credential created in the last session

Power BI and ML
Import or Connect to Data

Click Get Data / Import or Connect to Data / Files

Power BI and ML
Get dataset from OneDrive

Click OneDrive - Personal

GreatFriends.Biz
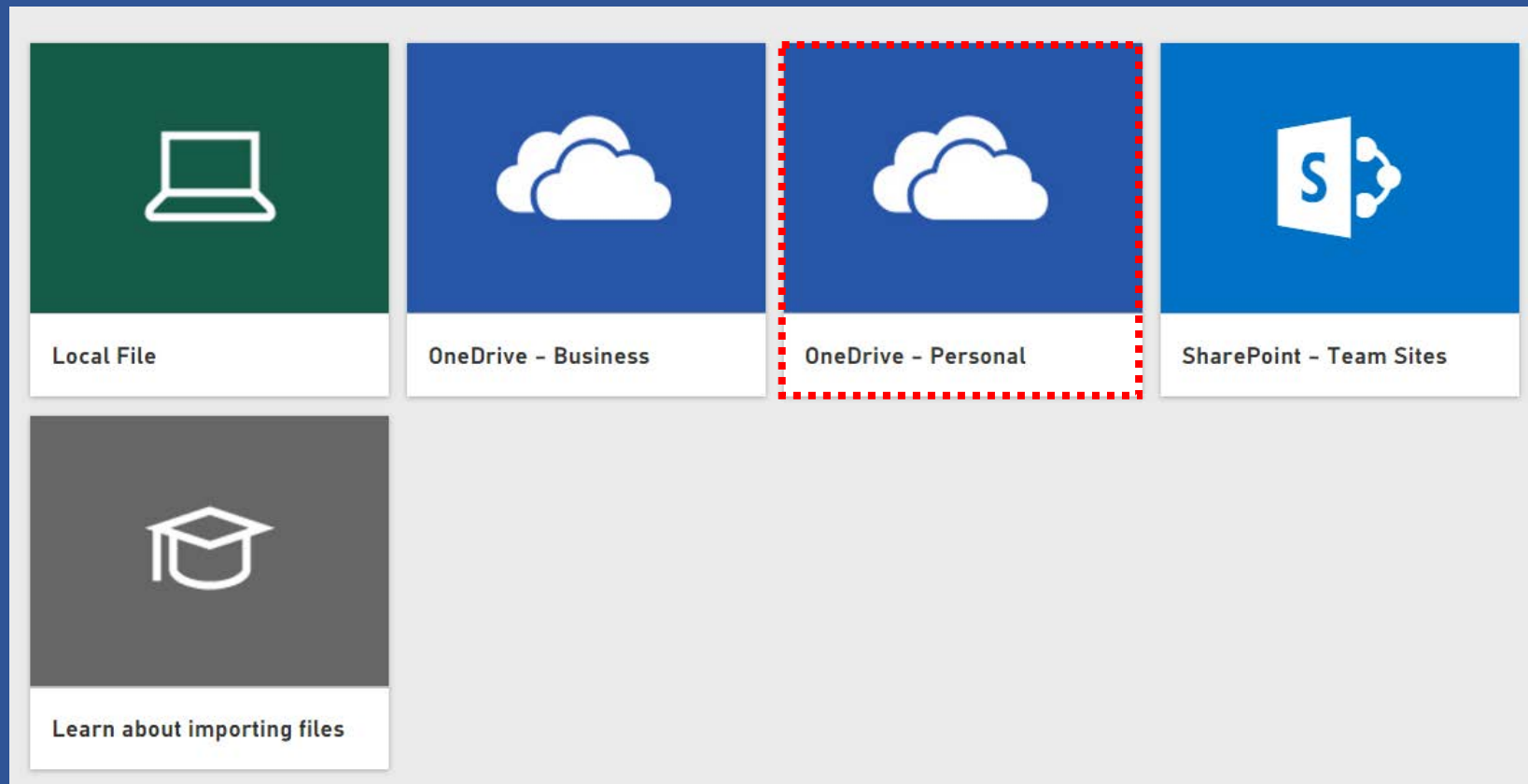
Power BI and ML
Connect to dataset

Select file TitanicBI.csv in ML folder in OneDrive
Click Connect

Power BI and ML
Get data connection confirmation

Click x to close the confirmation dialog box
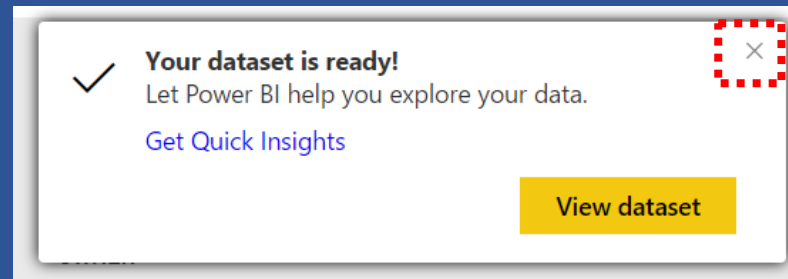
Click TitanicBI under DATASETS
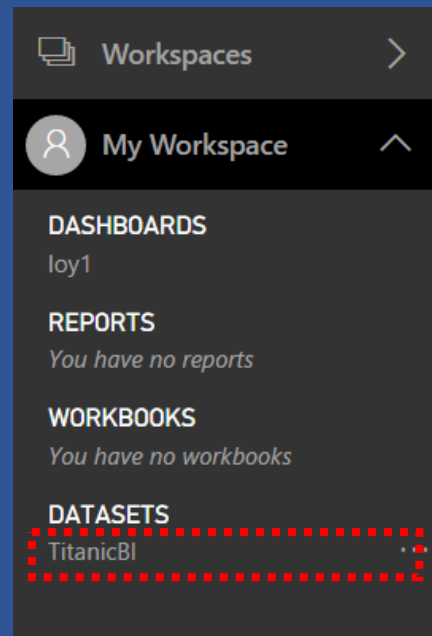
Power BI and ML
Create Report Title

Create Report Title

- Click Text box
- Move text box to top
- Make text box width == report width
- Enter text TITANIC DISASTER MACHINE LEARNING
- Change text size to 36

GreatFriends.Biz
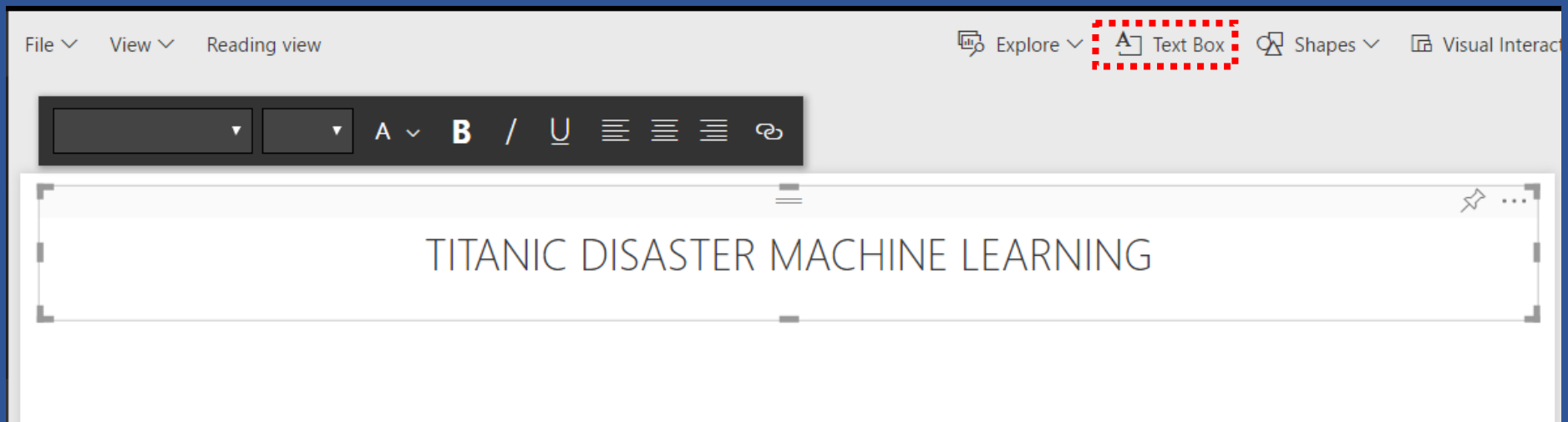
Power BI and ML
Add summarize matrix

Add summarize matrix

1. Click Matrix in Visualizations
2. Drag field Sex to Rows
3. Drag field Survived to Values
4. Change Matrix font size
5. Move to shown position

Power BI and ML
Add Column chart

Add summarize matrix

1. Click Column chart in Visualizations
2. Drag field sex to Rows
3. Drag field Survived to Values
4. Change X, Y, Title font size
5. Move to shown position

GreatFriends.Biz
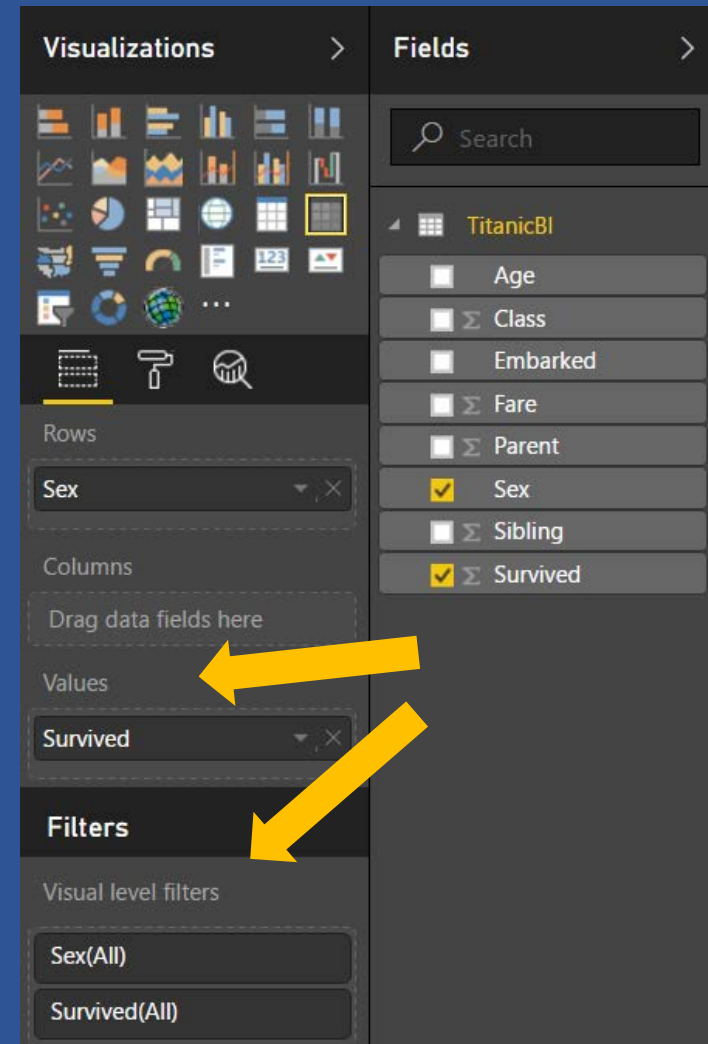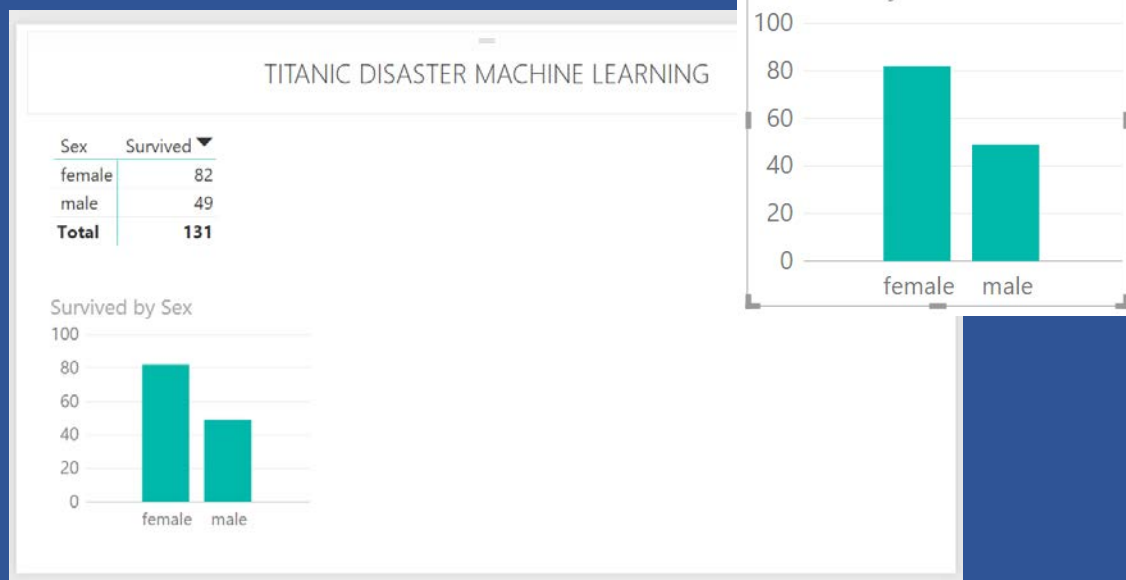
Power BI and ML
Add Pie chart

Add summarize matrix

1. Click Pie chart in Visualizations
2. Drag field Embarked to Legend
3. Drag field Survived to Values
4. Change Legend and Title font size
5. Move to shown position

TITANIC DISASTER MACHINE LEARNING

Sex	Survived ▼
female	82
male	49
Total	**131**

Survived by Embarked

Survived by Sex

GreatFriends.Biz

Power BI and ML
Add Line chart

Add summarize matrix

1. Click Line chart in Visualizations
2. Drag field Age to Axis
3. Drag field Survived to Values
4. Filter blank from Age
5. Change X,Y and Title font size
6. Move to shown position

TITANIC DISASTER MACHINE LEARNING

Sex	Survived ▼
female	82
male	49
Total	**131**

Survived by Embarked

Survived by Sex

Survived by Age

Axis

Age

Legend

Drag data fields here

Values

Survived

Tooltips

Drag data fields here

Filters

Visual level filters

Age
is not (Blank)

Survived(All)

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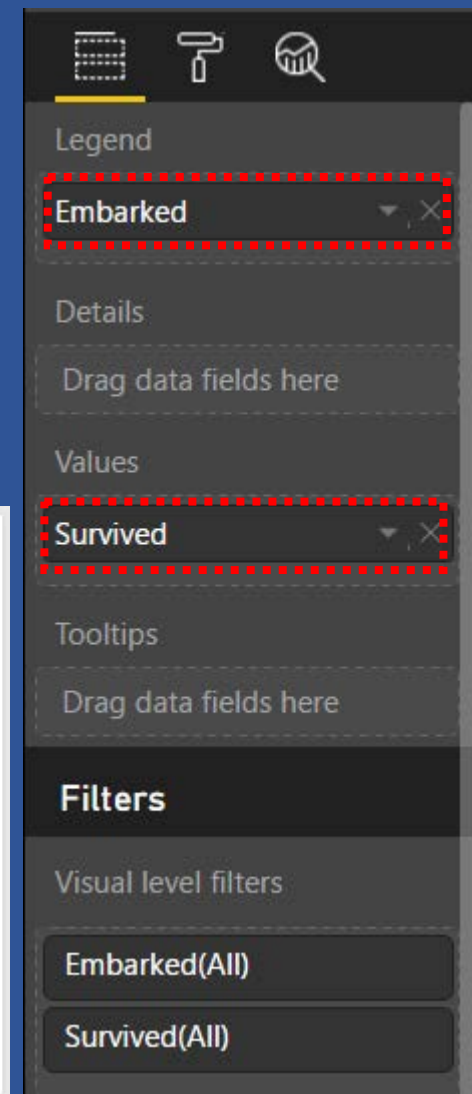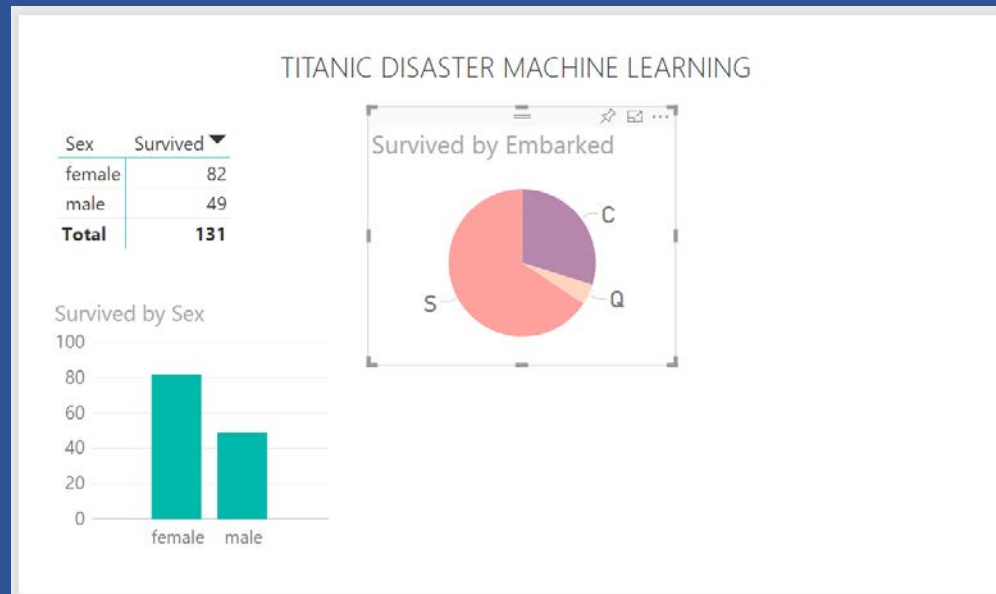# Power BI and ML
Add Donut chart

Add summarize matrix

1. Click Line chart in Visualizations
2. Drag field Class to Legend
3. Drag field Survived to Values
4. Change font size
5. Move to shown position

Power BI and ML
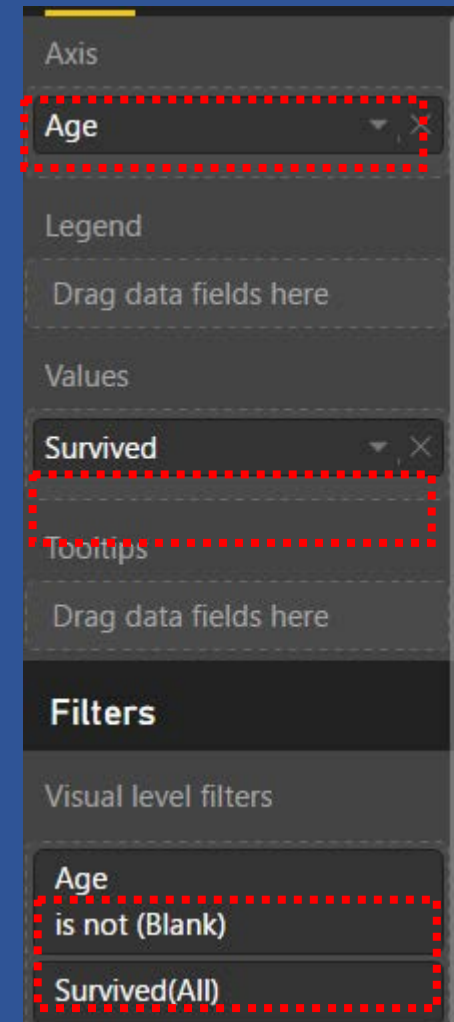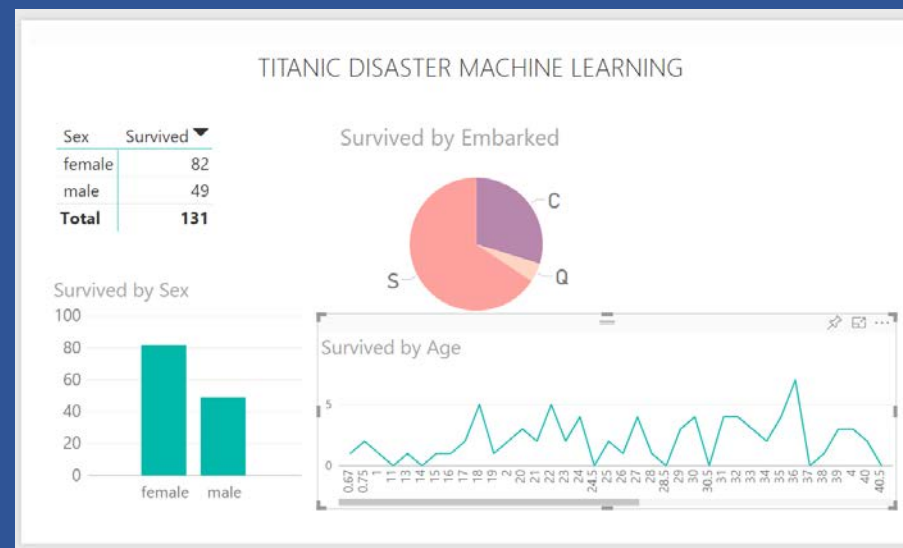## Add report background

Add report background

- Down load image from
- https://github.com/laploy/ML/blob/master/ship.JPG
- Click report blank area
- Click format button
- Click Page Background
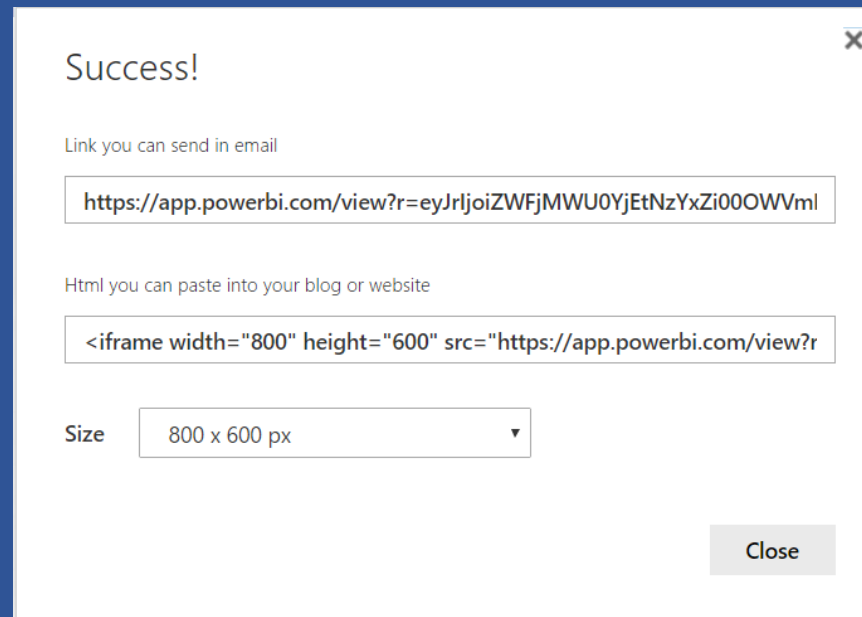- Add picture
- Set Transparent to 95%
- Image fit = Fit
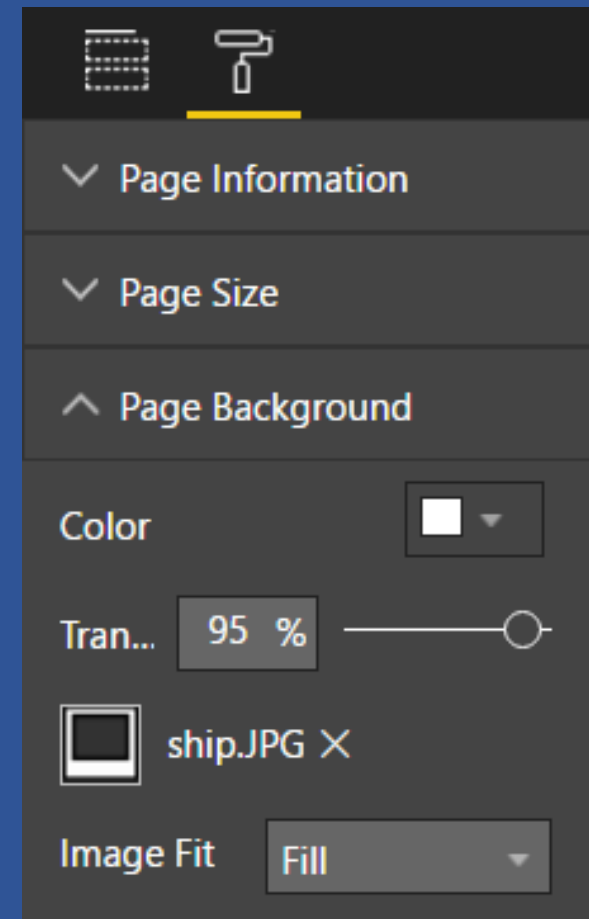
Power BI and ML
Publish Report

Publish Report

- Click File/Save report: name = mlreport1
- Click File/Publish to web
- Click agree
- Copy link and paste into browser to view report

Success!

Link you can send in email

`https://app.powerbi.com/view?r=eyJrIjoiZWFjMWU0YjEtNzYxZi00OWVml`

Html you can paste into your blog or website

`<iframe width="800" height="600" src="https://app.powerbi.com/view?r`

Size   800 x 600 px ▼

Close

Power BI and ML
More information

Free eBook: Introducing Microsoft Power BI
https://blogs.msdn.microsoft.com/microsoft_press/2016/06/16/free-ebook-introducing-microsoft-power-bi/