

# CONNECT POWER BI TO XML

XML = Extensible Markup Language

## STEP A.

View source dataset.

[https://drive.google.com/file/d/1TCGH9\\_tv1xwHJV CKwj6JDmISnDz73x/view?usp=sharing](https://drive.google.com/file/d/1TCGH9_tv1xwHJV CKwj6JDmISnDz73x/view?usp=sharing)

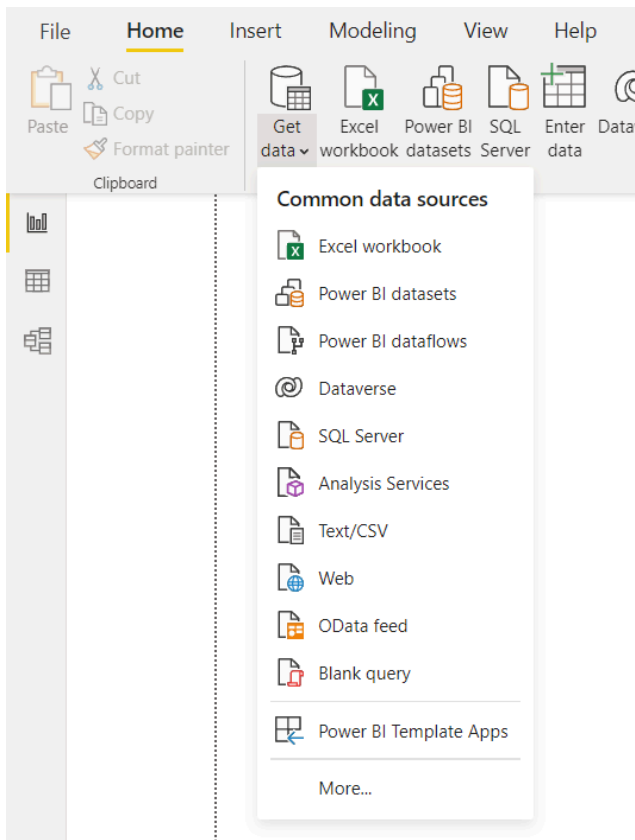
```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <data>
3    <columns>
4      <Age index="6">Age</Age>
5      <Cabin index="11">Cabin</Cabin>
6      <Embarked index="12">Embarked</Embarked>
7      <Fare index="10">Fare</Fare>
8      <Name index="4">Name</Name>
9      <Parch index="8">Parch</Parch>
10     <PassengerId index="1">PassengerId</PassengerId>
11     <Pclass index="3">Pclass</Pclass>
12     <Sex index="5">Sex</Sex>
13     <SibSp index="7">SibSp</SibSp>
14     <Survived index="2">Survived</Survived>
15     <Ticket index="9">Ticket</Ticket>
16   </columns>
17   <records>
18     <record index="1">
19       <Age>22</Age>
20       <Cabin></Cabin>
21       <Embarked>S</Embarked>
22       <Fare>7.25</Fare>
23       <Name>Braund, Mr. Owen Harris</Name>
24       <Parch>0</Parch>
25       <PassengerId>1</PassengerId>
26       <Pclass>3</Pclass>
27       <Sex>male</Sex>
28       <SibSp>1</SibSp>
29       <Survived>0</Survived>
30       <Ticket>A/5 21171</Ticket>
31     </record>
```

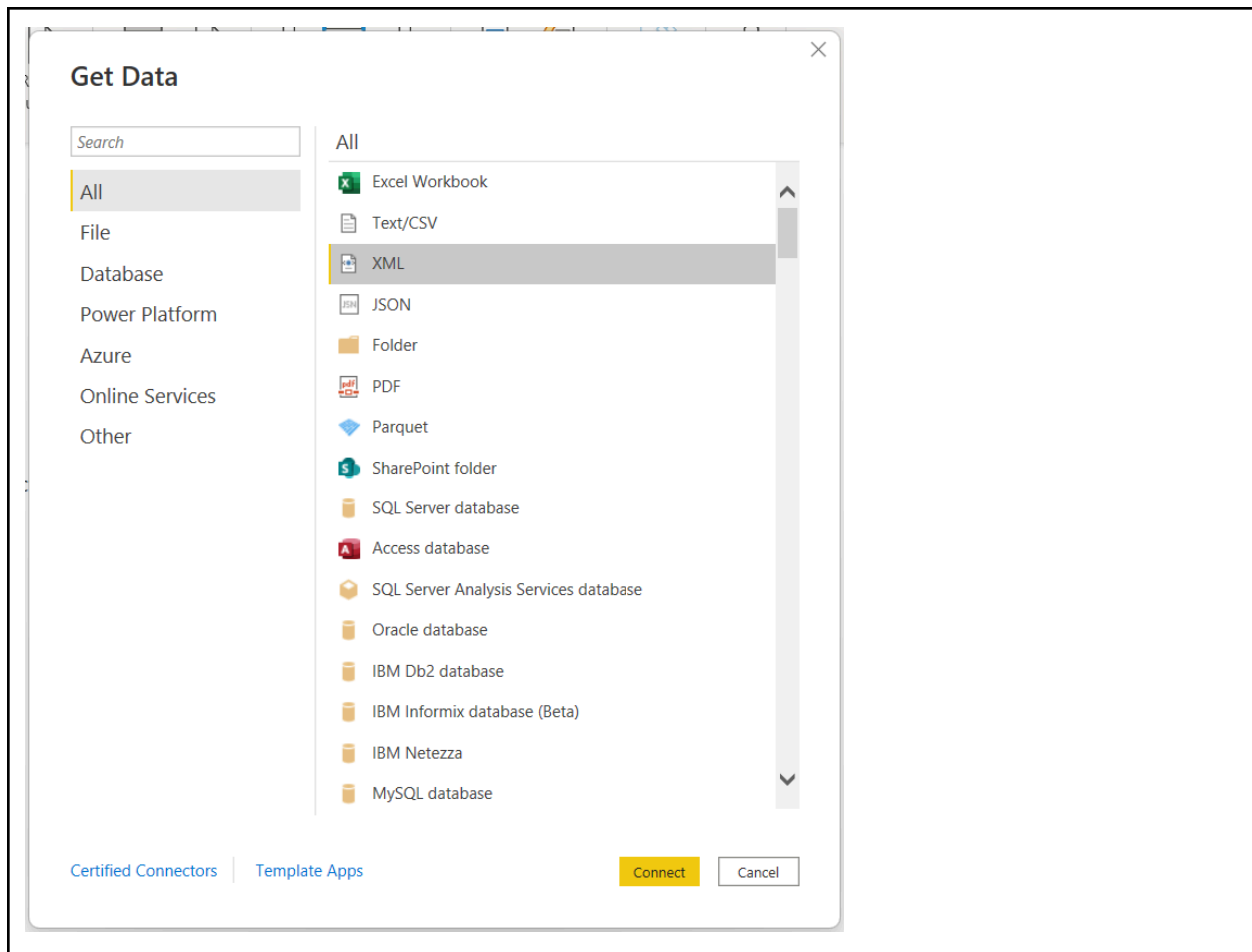
## STEP 1.

Select Home Tab.

Select Get Data/More...

Select XML





## STEP 2.

Select record and click Load.

## Navigator

Display Options ▾

titanic.xml [2]

columns [12]

☐

 Age

☐

 Cabin

☐

 Embarked

☐

 Fare

☐

 Name

☐

 Parch

☐

 PassengerId

☐

 Pclass

☐

 Sex

☐

 SibSp

☐

 Survived

☐

 Ticket

records [1]

☒

 record

record

| Age   | Cabin | Embarked | Fare    | Name                                   |
|-------|-------|----------|---------|----------------------------------------|
| Table | Table | Table    | 7.25    | Braund, Mr. Owen Harris                |
| Table | Table | Table    | 71.2833 | Cumings, Mrs. John Bradley (Florence   |
| Table | Table | Table    | 7.925   | Heikkinen, Miss. Laina                 |
| Table | Table | Table    | 53.1    | Futrelle, Mrs. Jacques Heath (Lily May |
| Table | Table | Table    | 8.05    | Allen, Mr. William Henry               |
| Table | Table | Table    | 8.4583  | Moran, Mr. James                       |
| Table | Table | Table    | 51.8625 | McCarthy, Mr. Timothy J                |
| Table | Table | Table    | 21.075  | Palsson, Master. Gosta Leonard         |
| Table | Table | Table    | 11.1333 | Johnson, Mrs. Oscar W (Elisabeth Vilh  |
| Table | Table | Table    | 30.0708 | Nasser, Mrs. Nicholas (Adele Achem)    |
| Table | Table | Table    | 16.7    | Sandstrom, Miss. Marguerite Rut        |
| Table | Table | Table    | 26.55   | Bonnell, Miss. Elizabeth               |
| Table | Table | Table    | 8.05    | Saunderscock, Mr. William Henry        |
| Table | Table | Table    | 31.275  | Andersson, Mr. Anders Johan            |
| Table | Table | Table    | 7.8542  | Vestrom, Miss. Hulda Amanda Adolfi     |
| Table | Table | Table    | 16      | Hewlett, Mrs. (Mary D Kingcome)        |
| Table | Table | Table    | 29.125  | Rice, Master. Eugene                   |
| Table | Table | Table    | 13      | Williams, Mr. Charles Eugene           |
| Table | Table | Table    | 18      | Vander Planke, Mrs. Julius (Emelia Ma  |
| Table | Table | Table    | 7.225   | Masselmani, Mrs. Fatima                |
| Table | Table | Table    | 26      | Fynney, Mr. Joseph J                   |
| Table | Table | Table    | 13      | Beesley, Mr. Lawrence                  |
| Table | Table | Table    | 8.0292  | McGowan, Miss. Anna "Annie"            |

Load

Transform Data

Cancel

### STEP 3.

When the data is loaded to Power BI window, some columns display the value Table.

File

Home

Help

Table tools

Column tools

Paste

Cut

Copy

Get data

Excel workbook

Power BI datasets

SQL Server

Enter data

Dataverse

Recent sources

Transform data

Refresh

Manage relationships

New measure

Quick measure

New column

New table

Manage roles

View as

Sensitivity

Publish

Clipboard

Data

Queries

Relationships

Calculations

Security

Sensitivity

Share

| Age     | Cabin   | Embarked | Fare    | Name                                 | Parch | PassengerId | Pclass | Sex    | SibSp | Survived | Ticket           | Attribute: index |
|---------|---------|----------|---------|--------------------------------------|-------|-------------|--------|--------|-------|----------|------------------|------------------|
| [Table] | [Table] | [Table]  | 7.25    | Heikkinen, Miss. Laina               | 0     | 3           | 3      | female | 0     | 1        | STON/O2. 3101282 | 3                |
| [Table] | [Table] | [Table]  | 8.05    | Allen, Mr. William Henry             | 0     | 5           | 3      | male   | 0     | 0        | 373450           | 5                |
| [Table] | [Table] | [Table]  | 8.4583  | Moran, Mr. James                     | 0     | 6           | 3      | male   | 0     | 0        | 330877           | 6                |
| [Table] | [Table] | [Table]  | 51.8625 | McCarthy, Mr. Timothy J              | 0     | 7           | 1      | male   | 0     | 0        | 17463            | 7                |
| [Table] | [Table] | [Table]  | 26.55   | Bonnell, Miss. Elizabeth             | 0     | 12          | 1      | female | 0     | 1        | 113783           | 12               |
| [Table] | [Table] | [Table]  | 8.05    | Saunderscock, Mr. William Henry      | 0     | 13          | 3      | male   | 0     | 0        | A/5. 2151        | 13               |
| [Table] | [Table] | [Table]  | 7.8542  | Vestrom, Miss. Hulda Amanda Adolfina | 0     | 15          | 3      | female | 0     | 0        | 350406           | 15               |
| [Table] | [Table] | [Table]  | 16      | Hewlett, Mrs. (Mary D Kingcome)      | 0     | 16          | 2      | female | 0     | 1        | 248706           | 16               |
| [Table] | [Table] | [Table]  | 13      | Williams, Mr. Charles Eugene         | 0     | 18          | 2      | male   | 0     | 1        | 244373           | 18               |
| [Table] | [Table] | [Table]  | 7.225   | Masselmani, Mrs. Fatima              | 0     | 20          | 3      | female | 0     | 1        | 2649             | 20               |
| [Table] | [Table] | [Table]  | 26      | Fynney, Mr. Joseph J                 | 0     | 21          | 2      | male   | 0     | 0        | 239865           | 21               |

## Enter the Power Query Editor window

<

Select a column, e.g. Cabin, select the Expand button (to right of Cabin label)

ABC123

Age.Element:Text

ABC123

Cabin

11/11/2016

Search Columns to Expand

⌵

☒ Expand

☐ Aggregate

☐ (Select All Columns)

☐ Element:Text

☒ Use original column name as prefix

⚠

List may be incomplete.

Load more

OK

Cancel

Untick and Retick back.

Power Query Editor window showing the transformation of the Titanic dataset. The formula bar displays the M code: `Table.ExpandTableColumn(#"Expanded Cabin", "Embarked", {"Element:Text"}, {"Embarked.Element:Text"})`.

|    | Age.Element:Text | Cabin.Element:Text | Embarked.Element:Text | Fare    | Name                      |
|----|------------------|--------------------|-----------------------|---------|---------------------------|
| 1  | 22               |                    | S                     | 7.25    | Braund, Mr. Owen Harri    |
| 2  | 38               | C85                | C                     | 71.2833 | Cumings, Mrs. John Brad   |
| 3  | 26               |                    | S                     | 7.925   | Heikkinen, Miss. Laina    |
| 4  | 35               | C123               | S                     | 53.1    | Futrelle, Mrs. Jacques He |
| 5  | 35               |                    | S                     | 8.05    | Allen, Mr. William Henry  |
| 6  |                  |                    | Q                     | 8.4583  | Moran, Mr. James          |
| 7  | 54               | E46                | S                     | 51.8625 | McCarthy, Mr. Timothy J   |
| 8  | 2                |                    | S                     | 21.075  | Palsson, Master. Gosta L  |
| 9  | 27               |                    | S                     | 11.1333 | Johnson, Mrs. Oscar W (   |
| 10 | 14               |                    | C                     | 30.0708 | Nasser, Mrs. Nicholas (A  |
| 11 | 4                | G6                 | S                     | 16.7    | Sandstrom, Miss. Margu    |
| 12 | 58               | C103               | S                     | 26.55   | Bonnell, Miss. Elizabeth  |
| 13 | 20               |                    | S                     | 8.05    | Saunderscock, Mr. Williar |
| 14 | 39               |                    | S                     | 31.275  | Andersson, Mr. Anders J   |
| 15 | 14               |                    | S                     | 7.8542  | Vestrom, Miss. Hulda An   |
| 16 | 55               |                    | S                     | 16      | Hewlett, Mrs. (Mary D K)  |
| 17 | 2                |                    | Q                     | 29.125  | Rice, Master. Eugene      |
| 18 |                  |                    | S                     | 13      | Williams, Mr. Charles Eu  |
| 19 | 31               |                    | S                     | 18      | Vander Planke, Mrs. Juli  |
| 20 |                  |                    | S                     |         |                           |

Query Settings: **PROPERTIES** (Name: record), **APPLIED STEPS** (Source, Navigation, Changed Type, Expanded Age, Expanded Cabin, Expanded Embarked).

Rename the loaded dataset as xml-titanic.

Power Query Editor interface showing the list of columns for the 'titanic' query. A red box highlights the three-dot menu icon next to the query name 'titanic'.

- ☐ Age
- ☐ Cabin
- ☐ Embarked
- ☐ Fare
- ☐ Name
- ☐ Parch
- ☐ PassengerId
- ☐ Pclass
- ☐ Sex
- ☐ SibSp
- ☐ Survived
- ☐ Ticket

New measure

New column

New quick measure

Refresh data

Edit query

Manage relationships

Incremental refresh

Manage aggregations

Rename

Delete from model

Hide

View hidden

Unhide all

Collapse all

Expand all

| Fare    | Name                                 | Parch | PassengerId | Pclass | Sex    | SibSp | Survived | Ticket           | Attribute:Index | Age:Element:Text | Cabin:Element:Text | Embarked:Element:Text |
|---------|--------------------------------------|-------|-------------|--------|--------|-------|----------|------------------|-----------------|------------------|--------------------|-----------------------|
| 7.925   | Heikkinen, Miss. Laina               | 0     | 3           | 3      | female | 0     | 1        | STON/O2. 3101282 | 3               | 26               |                    | S                     |
| 8.05    | Allen, Mr. William Henry             | 0     | 5           | 3      | male   | 0     | 0        | 373450           | 5               | 35               |                    | S                     |
| 8.4583  | Moran, Mr. James                     | 0     | 6           | 3      | male   | 0     | 0        | 330877           | 6               |                  |                    | Q                     |
| 8.05    | Saunderscock, Mr. William Henry      | 0     | 13          | 3      | male   | 0     | 0        | A/S. 2151        | 13              | 20               |                    | S                     |
| 7.8542  | Vestrom, Miss. Hulda Amanda Adolfina | 0     | 15          | 3      | female | 0     | 0        | 350406           | 15              | 14               |                    | S                     |
| 16      | Hewlett, Mrs. (Mary D Kingcome)      | 0     | 16          | 2      | female | 0     | 1        | 248706           | 16              | 55               |                    | S                     |
| 13      | Williams, Mr. Charles Eugene         | 0     | 18          | 2      | male   | 0     | 1        | 244373           | 18              |                  |                    | S                     |
| 7.225   | Masseiman, Mrs. Fatima               | 0     | 20          | 3      | female | 0     | 1        | 2649             | 20              |                  |                    | C                     |
| 26      | Fynney, Mr. Joseph J                 | 0     | 21          | 2      | male   | 0     | 0        | 239865           | 21              | 35               |                    | S                     |
| 8.0292  | McGowan, Miss. Anna "Annie"          | 0     | 23          | 3      | female | 0     | 1        | 330923           | 23              | 15               |                    | Q                     |
| 7.225   | Emir, Mr. Farred Chehab              | 0     | 27          | 3      | male   | 0     | 0        | 2631             | 27              |                  |                    | C                     |
| 7.8792  | O'Dwyer, Miss. Ellen "Nellie"        | 0     | 29          | 3      | female | 0     | 1        | 330959           | 29              |                  |                    | Q                     |
| 7.8958  | Todoroff, Mr. Lallo                  | 0     | 30          | 3      | male   | 0     | 0        | 349216           | 30              |                  |                    | S                     |
| 27.7208 | Uruchurtu, Don. Manuel E             | 0     | 31          | 1      | male   | 0     | 0        | PC 17601         | 31              | 40               |                    | C                     |
| 7.75    | Glynn, Miss. Mary Agatha             | 0     | 33          | 3      | female | 0     | 1        | 335677           | 33              |                  |                    | Q                     |
| 10.5    | Wheadon, Mr. Edward H                | 0     | 34          | 2      | male   | 0     | 0        | C.A. 24579       | 34              | 66               |                    | S                     |
| 7.2292  | Mamee, Mr. Hanna                     | 0     | 37          | 3      | male   | 0     | 1        | 2677             | 37              |                  |                    | C                     |
| 8.05    | Cann, Mr. Ernest Charles             | 0     | 38          | 3      | male   | 0     | 0        | A/S. 2152        | 38              | 21               |                    | S                     |
| 7.8958  | Kraeff, Mr. Theodor                  | 0     | 43          | 3      | male   | 0     | 0        | 349253           | 43              |                  |                    | C                     |
| 7.8792  | Devaney, Miss. Margaret Della        | 0     | 45          | 3      | female | 0     | 1        | 330958           | 45              | 19               |                    | Q                     |
| 8.05    | Rogers, Mr. William John             | 0     | 46          | 3      | male   | 0     | 0        | S.C./A.4. 23567  | 46              |                  |                    | S                     |
| 7.75    | O'Driscoll, Miss. Bridget            | 0     | 48          | 3      | female | 0     | 1        | 14311            | 48              |                  |                    | Q                     |
| 7.8     | Nosworthy, Mr. Richard Cater         | 0     | 52          | 3      | male   | 0     | 0        | A/A. 39886       | 52              | 21               |                    | S                     |
| 10.5    | Rugg, Miss. Emily                    | 0     | 57          | 2      | female | 0     | 1        | C.A. 31026       | 57              | 21               |                    | S                     |
| 7.2292  | Novel, Mr. Mansouer                  | 0     | 58          | 3      | male   | 0     | 0        | 2697             | 58              | 28.5             |                    | C                     |
| 7.2292  | Sirayanian, Mr. Orsen                | 0     | 61          | 3      | male   | 0     | 0        | 2669             | 61              | 22               |                    | C                     |
| 17.7310 | Stancoff, Mr. Albert A               | 0     | 64          | 1      | male   | 0     | 0        | BP 17616         | 64              |                  |                    | C                     |