***Link to Dataset:***  <https://data.world/dcopendata/c368581276b7437db51e82ae521b46c8-70>

**TAX EXEMPT PROPERTIES DATASET**

**Fields:**

* SQUARE *( type: esriFieldTypeString, alias: Square, length: 255 )*
* SUFFIX *( type: esriFieldTypeString, alias: Suffix, length: 255 )*
* LOT *( type: esriFieldTypeString, alias: Lot, length: 255 )*
* SSL *( type: esriFieldTypeString, alias: Square, Suffix, and Lot, length: 255 )*
* EFFECTIVE\_DATE *( type: esriFieldTypeDate, alias: Date of Exemption Status, length: 8 )*
* EXPIRED\_DATE *( type: esriFieldTypeDate, alias: Date no longer exempt, length: 8 )*
* EXEMPTION\_TYPE *( type: esriFieldTypeString, alias: Type of Exemption, length: 255 )*
* LAND\_EXEMPT *( type: esriFieldTypeDouble, alias: Land Exempt from Taxes )*
* IMP\_EXEMPT *( type: esriFieldTypeDouble, alias: Improvements Exempt from Taxes )*
* PROPERTY\_CLASS *( type: esriFieldTypeDouble, alias: Property Type )*
* CAP\_ASSESSMENT *( type: esriFieldTypeDouble, alias: Maximum Assessed Value )*
* TAXABLE *( type: esriFieldTypeString, alias: Taxable Assessed Value, length: 255 )*
* ASSESSMENT\_LAND *( type: esriFieldTypeDouble, alias: Assessed land value by fiscal year )*
* ASSESSMENT\_IMP *( type: esriFieldTypeDouble, alias: Assessed improvement value by fiscal year )*
* TOT\_ASSESSMENT *( type: esriFieldTypeDouble, alias: Assessed value of land and building by fiscal year )*
* CREATE\_DATE *( type: esriFieldTypeDate, alias: Date when lot was created, length: 8 )*
* ENDING\_DATE *( type: esriFieldTypeDate, alias: Lot Ending Date, length: 8 )*
* TAXES\_FORGONE *( type: esriFieldTypeDouble, alias: Lost revenue based on Tax Exemption status )*
* PREMISE\_ADDRESS *( type: esriFieldTypeString, alias: Property Address, length: 255 )*
* OWNERNAME *( type: esriFieldTypeString, alias: Property's Owner Name, length: 255 )*
* CARE\_OF\_NAME *( type: esriFieldTypeString, alias: Caretaker's Name, length: 255 )*
* ITS\_DATA\_DATE *( type: esriFieldTypeDate, alias: RPTA Extraction Date, length: 8 )*
* YEAR\_ *( type: esriFieldTypeString, alias: Fiscal Year, length: 50 )*
* PROP\_LAYER *( type: esriFieldTypeString, alias: DC GIS layer name location, length: 50 )*
* GLOBALID *( type: esriFieldTypeGlobalID, alias: GLOBALID, length: 38 )*
* OBJECTID *( type: esriFieldTypeOID, alias: OBJECTID )*

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| --- | --- | --- | --- | --- |
| **S/N** | **DATASET** | **BUSINESS QUESTIONS** | **LINK** |  |
| 1 | Property Tax Exemption | 1. What effect does the property tax exemption of non-profit organizations have on the Economy (D.C.) ? 2. To what extent does property tax exemption of non-profit organizations contributes to loss in tax revenue ? 3. What relationship exists between Lost revenue based on Tax Exemption and Total Assessments |  |  |

We need to examine each Exemption Types.

For research question

For Q1: Calculate the total Tax Forgone (Dependent) and compare it (in terms of percentage) to the income revenue of DC (both total revenue generated (find this on google) and tax revenue generated (find this on google)). More so, calculate tax forgone for all E0, E1, … E8, DC, US, etc and compare it with both total revenue generated and tax revenue generated. Q1 is more about comparing in percentage

For Q2: Here you will find how many of these non-profit organizations have 9999 expired date and their total tax forgone. How many will expire by 9999 expiry date and their total tax forgone. Now, find research that mentions the average percentage of increase in revenue/fund of non-profit organization in a year/decade etc. Use this percentage to calculate the future forgo tax.

Question 2 is more about forecast.