# How to Update the Library Value Use Calculator

### Overview

The following files simplify the process of updating any **HTML**, **CSS**, and **JS** **code.**

* **Calculator Settings.xlsx –** Where to update the contents of the Calculator
* **library\_calculator\_builder.py –** Generates the Website code based on the Settings

### How to Update the Calculator Settings **(For Library Statisticians)**

1. Open the **Calculator Settings.xlsx** file.

"S:\Library\Updated Statistics - Do Not Delete\Library Value Calculator\Calculator Settings.xlsx"

1. Select the **Data Sources** Worksheet.
   * Use the *Data Source* column to help find each service’s Fiscal Year Data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Service** | **Data Source** | **FY 2022-23** | **FY 2023-24** | |
| **Books Borrowed per Month** | **Florida Annual Statistical Report** | **368829** | | **352678** |
| **Item #83 [Books – Physical Units]** |
| **DVDs Borrowed per Month** | **Florida Annual Statistical Report** |  | |  |
| **Item #79 [Video – Downloadable Units]** | 28759 | | 32085 |
| **Item #85 [Video – Physical Units]** | 23684 | | 23323 |
| **TOTAL** | **52443** | | **55408** |

* + Store the Fiscal Year Data (Oct 1st to Sep 30th) on this worksheet

1. Select the **Values Per Service** Worksheet.
   * This is where you may update each Service’s information regarding its **Service Value** and **Value Explained**

|  |  |  |
| --- | --- | --- |
| **Service** | **Service Value** | **Value Explained** |
| **Books Borrowed per Month** | **16.00** | **Average retail price of a new paperback book.** |
| **DVDs Borrowed per Month** | **10.00** | **Matches typical purchase cost for a new or recent DVD.** |

1. Save and Close the **Calculator Settings.xlsx** file.
2. Run the **library\_calculator\_html\_builder.py** file.

"S:\Library\Updated Statistics - Do Not Delete\Library Value Calculator\library\_calculator\_html\_builder.py"

1. Open the **prototype.html** file to test if the calculator works properly.

"S:\Library\Updated Statistics - Do Not Delete\Library Value Calculator\prototype.html"

### How to Generate and Update the Website Code (For IT Website Support)

1. Run the **library\_calculator\_html\_builder.py** file.

"S:\Library\Updated Statistics - Do Not Delete\Library Value Calculator\library\_calculator\_html\_builder.py"

1. Next, open the **style\_and\_script.html** file in a text editor and **copy** **the code**.  
   “S:\Library\Updated Statistics - Do Not Delete\Library Value Calculator\style\_and\_script.html”
2. Paste in website head section

Graphical user interface, website

AI-generated content may be incorrect.

* + **Log into Sitefinity** and **open the Library Value Use Calculator** Page
  + **Open** the **"Title & properties"** button in the top right corner
  + **Paste** in **"HTML included in the <head> tag (except title and description)"**

1. Next, open the **content\_box\_code.html** file in a text editor and **copy the code**.  
   "S:\Library\Updated Statistics - Do Not Delete\Library Value Calculator\content\_box\_code.html"
2. Paste in the Content Box containing the **Calculator**

Graphical user interface, table

AI-generated content may be incorrect.

* + **Select and Open** the **Library Value Use Calculator** Content Box
  + **Click** the “**</>”** Button in the top right corner to “**View HTML"**
  + **Paste** in the Code View Box
  + **Close** the Code View by clicking “Done”
  + **Save** the changes

1. Finally,save changes to this page with the **Save as Draft** Button, and **Publish**

### Explanation for the **library\_calculator\_builder.py** file

This Python File opens the **Calculator Settings.xlsx** file and extracts the data from the **Values Per Service** worksheet and the **Fiscal Year Values** worksheet to dynamically create the HTML, CSS, and JS Code necessary for the Library Value Use Calculator Website.

This allows the Library Statisticians to manage the Calculator Settings while the IT Website Support can easily create the updated code.

### Additional Benefits

* Buttons for Fiscal Years with incomplete data will not be added to the Calculator.
* The HTML, CSS, and JS code are well formatted for readability.
* Service Values are formatted to 2 decimal places.