

Process for Updated Unit Conversion Data

Background

1. Spreadsheets with Unit Conversion data are in `kb/unit-converter` folder.
2. When any of these files change, the `generate/static/unit-conversions.json` file needs to be rebuilt.
 - Run the build file in the `kb/unit-converter` folder
 - `python build.py`
 - This will parse all of the `xlsx` files and build the `unit-conversions.json` file.
 - This file is used by the *Unit Conversion Tool*

Superscripting, Subscripting and special characters

1. The `kb/unit-converter/data/unicode.json` file has (most) all of the unicode keys for special characters.
2. To use the special characters in the unit-converter or other tables/areas
 - Convert the hex code to decimal
 - Prepend `&#` to the decimal representation of the character and use that in your text string
 - Ex: Plus-Minus sign - `{ "key": "\u00b1", "hex": "\u00B1", "name": "plus-minus sign" },`
 - Convert `0x00b1` to decimal -> `177`
 - Insert the string `"±"` in the place where you want the plus-minus sign to display

Helpful links:

- <https://www.freeformatter.com/html-entities.html>
- <https://www.mastertemplate.co.uk/jsonescapedcharacterentities.php>