## Code review for 11-1-1. Michael Nairn – 03/11/2022

#### Documentation

Any new code includes all the following forms of documentation:

- [] README file for the indicator

* **Please add instructions, including** [**link**](https://www.gov.uk/government/statistical-data-sets/dwelling-condition-and-safety)**, on how to access and download the original data sources. Then to add them to the “Input” folder, NOT the Example\_Input folder.** 
  + **DA3202 and DA3203.**
* **Please add instruction to save “example\_config” as “config”, and ensure “areas\_filename” and “households\_filename” are correct, based off the above download.**
  + **"DA3202\_Decent\_Homes\_-\_areas.xlsx"**
  + **"DA3203\_Decent\_Homes\_-\_households.xlsx"**

- [X] Example input and output that run successfully locally.

If the code includes functions, or is a function/set of functions for SDGupdater:

- [X] \*\*Function Documentation\*\* as docstrings within the function definition.

- [X] \*\*Examples\*\* demonstrating major functionality, which runs successfully locally.

#### Functionality

- [] \*\*Installation\*\*: Installation or build of the code succeeds.

* **Ensure that the rename\_column function has been added to SDGupdater and merged to main (I have reviewed this and it is ready to be merged). Then remove rename\_column.R from 11-1-1.**

- [X] \*Guidelines\*\*: New code conforms to the project contribution

guidelines.

- [X] \*\*Example data\*\*: Example output generated using the example input matches the given example output.

- [ ] \*\*csv formatting\*\*: The csv output is correct, given general guidance for csvs (e.g. columns are in a logical order, values within columns are in the correct order, sentence case is used, correct terms are used (i.e. are in the data dictionary), observation status column is correctly filled in).

* **Column O (Length of residence) should be “to” instead of “-“ (e.g. 1 to 4 years, not 1-4 years). This is how age is normally done on the platform, but may be different protocol for “Length of residence”?**
* **“Minimum Standard” should be sentence case (lower case s in standard)? In column D “Decent homes criteria”**

If the code includes functions, or is a function/set of functions for SDGupdater:

- [X] \*\*Automated tests\*\*: Unit tests cover essential functions for a reasonable range of inputs and conditions. All tests pass on your local machine.

#### Final approval (post-review)

The author has responded to my review and made changes to my satisfaction.

- [ ] \*\*I recommend merging this request.\*\*

Estimated time spent reviewing: # 2 hours

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### Review comments

- alternative methods (could it be written more efficiently or with more clarity?)

- code style improvements (could the code be written more clearly?)