

## Wikidata Batch Editing/Creation Using OpenRefine

### Advantages:

1. Fairly fast and straightforward to add simple edits
2. Ability to reconcile/look up values
3. Helps avoid repetitive clicking needed to add statements manually
4. Can lookup property and entity elements on the fly while constructing schemas
5. Can export to QuickStatements if you prefer

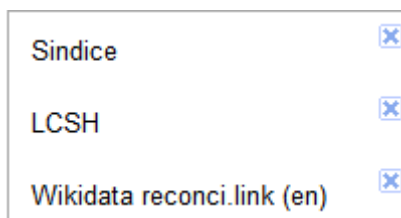
### Disadvantages:

1. Process can reconcile to wrong entity, particularly if the label is generic (such as “organization”), do have to double check.
2. Need to setup schema (sounds intimidating, but fairly straightforward)
3. Need to have data in columns organized per type. For example, you cannot mix cities, counties or states in a column marked “Place of birth.” You will need separate columns for each geographic type.

Useful video: <https://youtu.be/wfS1qTKFQoI>

### Instructions

1. Install and open OpenRefine: <https://openrefine.org/download.html> (Might need to give it special permissions if you use a computer on the university network).
2. Import your data and create project (in this case, it’s adding departments to a college page (“has parts”).
3. Click the triangle at the column header, select Reconcile...Start Reconcile.
4. The default wikidata service no longer works. You can try it, but if nothing happens, you’ll need to delete that service by clicking the X at the far right:



5. Click “Add Standard Service...” and add this new link (<https://wikidata.reconci.link/en/api>) .
6. The next screen will try to guess what entity it is—in this case, the first or second option would have worked.

## Reconcile column "Column 2"



Reconcile each cell to an entity of one of these types:

Also u

- ☐ organization  
Q43229
- ☒ academic department  
Q2467461
- ☐ scholarly article  
Q13442814

Colu  
Colu

☐ Reconcile against type:

☐ Reconcile against no particular type

☒ Auto-match candidates with high confidence

Maximum number of candidates to return

Add Standard Service...

7. Continue reconciling all columns as needed.
8. Once ready to export the changes, click Wikidata --> Edit Schema.
9. At the next screen, click "Add Item" and start setting up. (For instructions on setting up a schema, see the Wikidata Help page which has animation illustrating it):  
[https://www.wikidata.org/wiki/Wikidata:Tools/OpenRefine/Editing/Tutorials/Basic\\_editing#Creating\\_a\\_schema](https://www.wikidata.org/wiki/Wikidata:Tools/OpenRefine/Editing/Tutorials/Basic_editing#Creating_a_schema)

10. References can be added to the statements, either manually (copying the HTML) or selecting a column that contains the reference.

7 rows Schema Issues Preview

The Wikidata schema below specifies how your tabular data will be transformed into Wikidata edits. You can drag and drop the column names below in most input boxes: for each row, edits will be generated with the values in these columns. Save schema

label is instance of is instance of 2 is part of alias

Texas State University College of Science and Arts

Terms  
no labels, descriptions or aliases added  
+ add term

Statements

has part

label

1 references

copy

reference URL	nents-programs.html	remove
retrieved	2020-10-10	remove

+ add  
+ add reference  
+ add value

11. Once setup, you can look at the issues that are flagged.

12. The preview is helpful for showing the results from the schema setup

5 rows Schema Issues Preview

This tab shows the first edits (out of 1) that will be made once you upload the changes to Wikidata

Texas State University Emmett & Miriam  
McCoy College of Business Administration  
(Q99737522)


has part (P527)

- Texas State University Accounting Department (Q100328734)  
▶ 1 references
- Texas State University Computer Information Systems and Quantitative Methods Department (Q100328737)  
▶ 1 references
- Texas State University Finance and Economics Department (Q100328736)  
▶ 1 references
- Texas State University Management Department (Q100328738)  
▶ 1 references
- Texas State University Marketing Department (Q100328739)  
▶ 1 references

13. Click Wikidata --> Upload Edits to Wikidata. A pop-up screen will ask for your Wikidata login.
14. Type in an Edit Summary and Click "Upload Edits" if no egregious issues pop up.

**Upload edits to Wikidata**

You are about to upload 1 edits to Wikidata. Please check them carefully. Large edit batches should be submitted for [bot review](#) first.



**No issue was detected in your edits.**  
Note that OpenRefine cannot detect all the types of problems Wikidata edits can have.

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You are logged in as [Maryacat](#).

Edit summary:

15. A message will appear at the top (may flash by quickly if there aren't any edits).
16. Once done, you can check on Wikidata if the updates have been made (hint, the reconciled entities can just be clicked, either in the Preview pane or the columns displaying in Open Refine).