**Open Refine**

* Download OpenRefine 3.2 <http://openrefine.org/download.html>
  + It has a default Wikidata reconciliation service
* Download RDF extension from <https://github.com/stkenny/grefine-rdf-extension/releases>
  + Unzip RDF extension and rename the folder as RDF-extension
  + Open open refine
  + Click on open project
  + Click on Browse workspace directory(bottom of the page)
  + Create folder extensions if not there
  + Put rdf-extension folder under extensions folder
* Restart the open refine
* Data Cleaning (GREL code appendix A)
  + Click on column
  + Click on edit cells or edit column
    - Click on transform
    - A window will open name custom text-transform on column “name of column”
    - Write the expression in the window expression or use it from history
    - Preview the data
    - Click on ok
* Reconciliation
  + Click on column
  + Click on start reconciling
  + Select the service like Wikidata
  + Select the property name under to reconcile each cell to the chosen property
  + Choose the matching criter
    - Auto-match(check or uncheck it)
    - Maximum number of cell to match
  + Click on start reconciliation
* RDF Skelton
  + Click on rdf exteion on the top right side
  + Click edit rdf skeltion
  + Click of mangae prefiex(if require)
  + Add the prefix name and url
  + Click on add noe, assign a note type here
  + In our case, it is a disaster type (subject)
    - Assign data or object property in the added property (predicate)
    - Assign the respective column for the mapping (object)
    - Save it
* Exporting Data
  + Click on export on the top left
  + Choose the data type
  + A respective file will be downlond