Step-by-Step Guide to Testing OpenRefine with the CSV

Step 1: Install and Launch OpenRefine

1. Download OpenRefine:

- Visit the official OpenRefine download page.(https://openrefine.org/docs)
- Download the version that matches your operating system (Windows, macOS, or Linux).

2. Install OpenRefine:

- For Windows: After downloading, extract the .zip file. Open the folder and run refine.bat.
- For macOS: Drag the extracted OpenRefine application into the "Applications" folder and double-click to open.
- For Linux: Extract the .tar.gz file and open a terminal window, navigate to the extracted folder, and run ./refine.

3. Start OpenRefine:

 Once OpenRefine is running, open your web browser and go to http://127.0.0.1:3333/ to access the OpenRefine interface.

For Windows: After downloading, extract the .zip file. Open the folder and run refine.bat or openrefine exe

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Name	Date modified	Туре	Size
∨ Today			
LICENSE.txt	12/21/2024 10:31 PM	Text Document	2 KB
licenses.xml	12/21/2024 10:31 PM	Microsoft Edge HTM	13 KB
openrefine.exe	12/21/2024 10:31 PM	Application	125 KB
🥡 openrefine.l4j.ini	12/21/2024 10:31 PM	Configuration settings	1 KB
README.md	12/21/2024 10:31 PM	Markdown Source File	4 KB
🖫 refine.bat	12/21/2024 10:31 PM	Windows Batch File	10 KB
🕡 refine.ini	12/21/2024 10:31 PM	Configuration settings	2 KB
licenses	12/21/2024 10:31 PM	File folder	
server	12/21/2024 10:31 PM	File folder	
webapp	12/21/2024 10:31 PM	File folder	

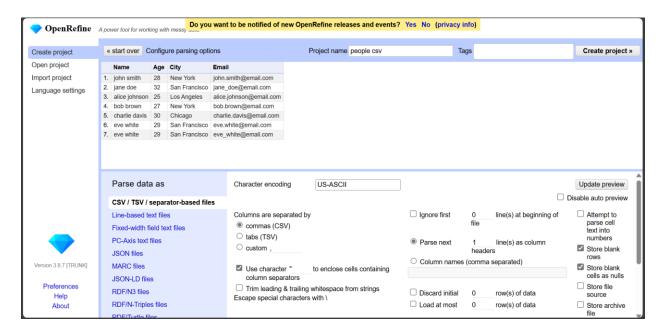
Click "Choose Files", find the people.csv file you downloaded earlier, and select it.



Click"Next"

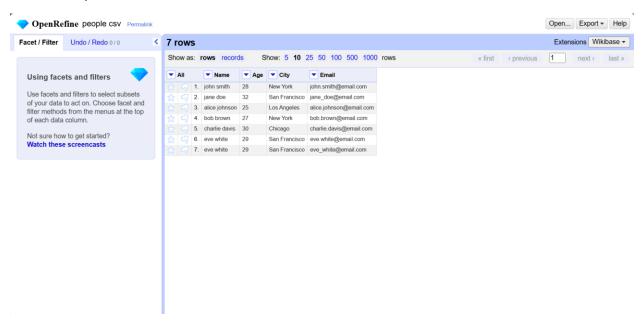


Click "Create Project" to load the file into OpenRefine.

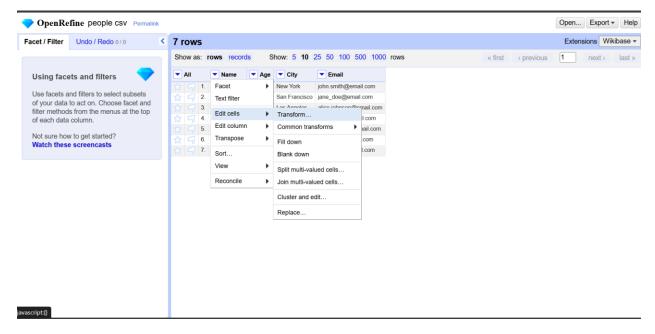


1.Transform the Data

Click the drop-down menu for the Name column.

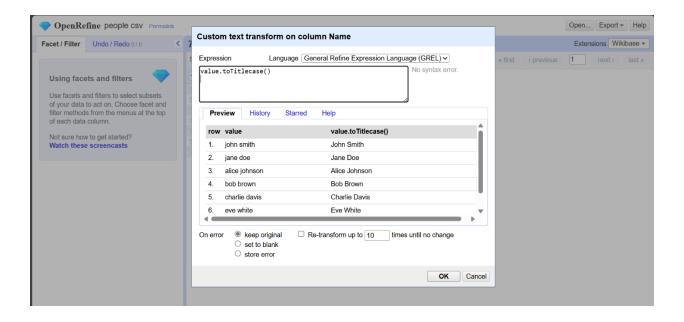


Select Edit cells > Transform.



In the transformation dialog, enter this expression:

"value.toTitlecase()"



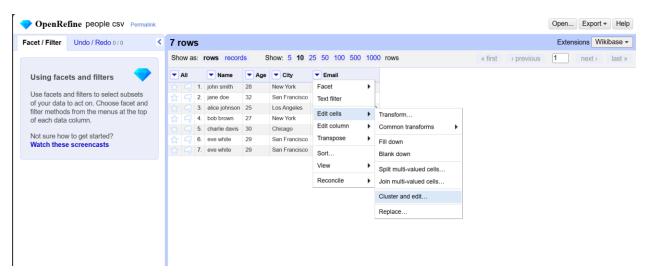
Result



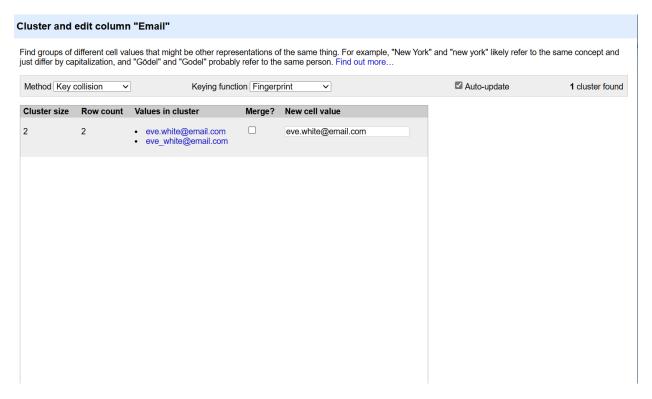
2.Remove Duplicates in the Email Column:

To clean up duplicate email addresses (e.g., eve.white@email.com and eve_white@email.com), click the drop-down menu for the **Email** column.

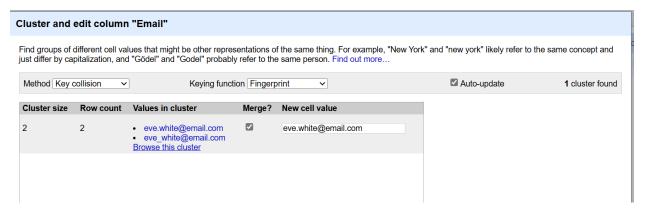
Select Edit cells > Cluster and edit....



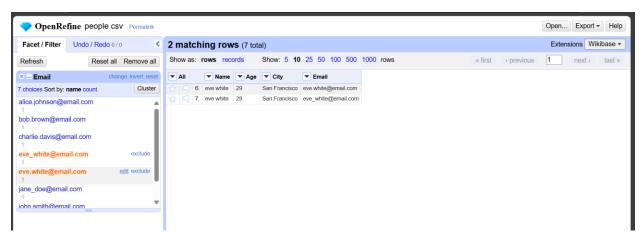
OpenRefine will display groups of similar values. Review the clusters and merge any duplicates (like the two entries for "eve.white").



Click "Browse this Cluster"



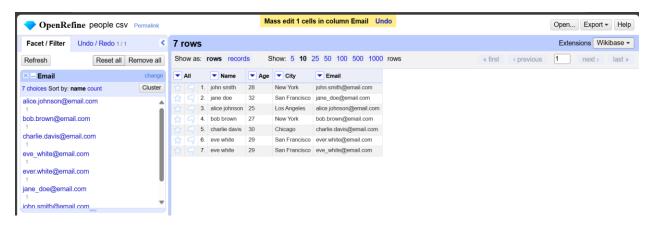
Click "edit"



Edit and Click "Apply"



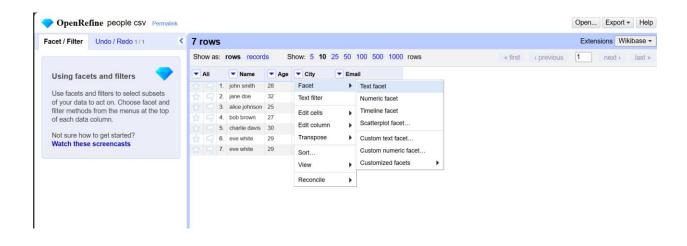
Click "Reset all"



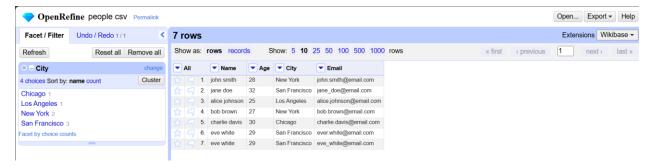
3. Facet by City:

To group and analyze your data by city, click the drop-down menu for the City column.

Choose Facet > Text facet.



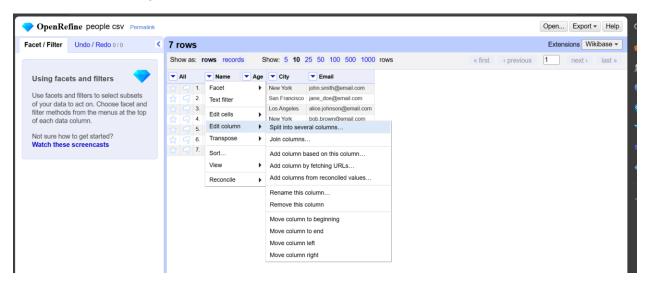
A facet will appear on the left side of the screen, showing all unique cities and the number of records for each. You can click on any city to filter the data for that city.



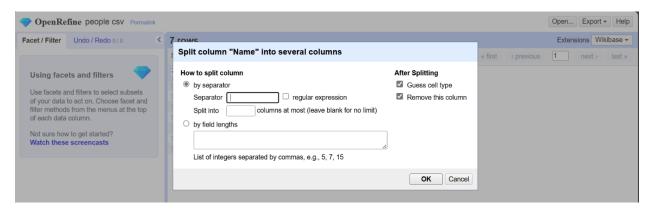
4. Split the Name Column:

If you want to split the **Name** column into **First Name** and **Last Name**, click the drop-down menu for the **Name** column.

Select Edit column > Split into several columns....



In the dialog that appears, choose **Space** as the separator.



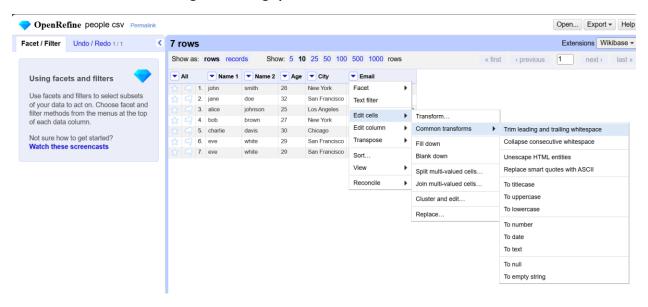
Click OK to split the column into two: "First Name" and "Last Name".



5.Trim Whitespace from Emails:

If there are any extra spaces in the email addresses, click the drop-down menu for the Email column.

Select Edit cells > Trim leading and trailing spaces.



This will clean any extra spaces in the email addresses.



5.Export the Cleaned Data

Once you've cleaned and transformed the data, you can export the cleaned dataset:

Export Data:

- At the top-right of the OpenRefine interface, click on the **Export** button.
- Select **Export to CSV** (or choose any other format you prefer).

