

CbC Tax Return Dataset and Insights Generation Process Flow Report

Objective: The primary objective is to create a scalable process flow in Alteryx which generates a dataset used to populate OECD's "country by country" annual tax report. The second objective is to generate managements insights based on the datasets generated.

Dataset requirements (yearly): GL File, Income Tax file, Entity Attributes, Entity Master Data, ISO Map, Country by Country column sign Key, Country By Country Account Map

To achieves the objective and implement the suggested approach, the following steps have been adapted:

STEP 1: CLEANSING 2020 DATASET

As 2020 is the place where we start, we first cleansed 2020 Report as per the instructions. We then proceeded to replicate the results using the provided datasets for 2020 and our values matched with the filed report.

To generate the Profit(Loss) before tax we used GL data for income and expenses to match the values. The rest were generated from aggregation.

We made the following extra changes:

Country code was suffixed wit "LE_" to genetrate LE_Code for each sheet so that in joins we don't lose any values.

Title cases were implemented, and white spaces were removed from all columns.

STEP 2: PREPARE THE 2021 CBYC DATA AND GENERATE REPORT:

The GL_21 dataset was filled for missing values and then was joined with other sheets to as per our methodology used in 2020 dataset to create the final dataset.

STEP 3: PREPARE ANALYSIS FOR MANAGEMENT AND REPORT FINDINGS:

1. In 2021, the income of "Pixie Dust Removal LLC" has reduced by \$100,000.
2. Charlotte's Birthday Cakes, Llc has risen to the top 5 Entities in terms of Total Revenue earned in 2021 compared to 2020, with a 99.04944364% gain.
3. In terms of taxation, the top five corporations reclaimed their positions with suitable increases.
4. Hook's Clocks LLC ranked first in 2021 in terms of total profit, with a profit gain of 5.8 billion from -6.4 billion.
5. Wakanda Forever Inc maintained its lead with 102397 workers in 2021.
6. The highest revenue by tax jurisdiction comes from Israel, and US stands at number 3, following the UK.
7. We have found that in 2021 Australia has zero revenue which we think is an anomaly.
8. The percentage-wise total revenue has increased for the companies in Spain from FY20 to FY21 by 95000%, which we think could be an anomaly. The employment has also jumped.
9. Income tax paid by companies in the United States has almost doubled from FY20 to FY21; The percentage change in the income tax paid by companies in the Netherlands has halved.
10. In all the counties, the number of employees employed has increased.