

Receivables & Bad Debts Management — Alteryx

Workflow Summary

Goal:

To clean, merge, and prepare financial statement and receivables data for analyzing receivables management, turnover efficiency, and bad debt practices across industries.

Workflow Overview:

1. Data Inputs

- **Industry master data:** Contains the company's sector and industry information.
- **Industry name-code mapping:** Maps detailed industry names to industry codes.
- **Financial statement data:** Holds company financials like Revenues, Profit, and Accounts Receivables.
- **Provisions and receivables aging data:** Contains bad debt provisions and receivables aging breakdowns.

2. Data Preparation

- **Fixing industry codes:** Recode specific industry names like "Advertising" and "Market research" to standardized codes.
- **Updating marketing & leasing industries:** Assign correct industry codes where needed.
- **Converting dates:** Parse text date fields into Date format for financial reports and provisions.
- **Creating unique IDs:** Combine company code and date into a single UID to enable proper joins across datasets.

3. Joins

- **Merge industry datasets:** Combine industry master data with name-code mappings.
- **Merge financial data with industry:** Attach industry info to each company's financial records.
- **Merge provisions data:** Bring in receivables and bad debt provision data to the financial dataset.

4. Data Filtering & Type Corrections

- Keep only records where:
 - Financial year-end is **Dec 31**
 - Revenue and Accounts Receivables are greater than 0.
- Convert all numeric fields to the correct decimal data types for analysis.

5. Metrics Calculations

- **Prior Year AR:** Pull prior year's Accounts Receivables for each company.
- **Average AR:** Compute as an average of current and prior year AR.

- **AR Turnover:** $\text{Revenue} \div \text{Average AR}$.
- **Bad Receivables Ratio:** $\text{Provisions} \div \text{AR}$.
- **Write-off Ratio:** $\text{Write-offs} \div \text{AR}$.

6. Export

- Select only the finalized columns needed for analysis.
- Export the clean dataset as a **CSV file** ready for use in Python.

Outcome:

A clean, structured dataset containing key financials, industry info, and calculated receivables metrics across 31,433 of companies and multiple years, totaling to 227,000+ rows of data.

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