

FOSTER

Master of
Professional Accounting

W

EDGAR EXPLORER 3

Data Analytics for Professional Accountants (ACCTG 522)

Class 11 | MPAcc Class of 2025

Agenda

Review

Labs demo using Tesla with Alteryx to:

- Pull all XBRL data from the Company Facts API
- ETL to transform data from json format to an Alteryx File
- Explore the data and transform to annual (or quarterly)

Team Workshop:

- Apply to your company/companies.
- Extend the ETL to transform the data you are extracting to numeric and calculate a ratio.

Review

alteryx

Identify
company CIK
(e.g., search
EGDAR)



Use CIK to download
submissions to identify the
accession number



Use the accession
number to download
the 10-K

Identify
company CIK
(e.g., search
EGDAR)



Use CIK to download
company facts to retrieve
XBRL Filings

Agenda

Review

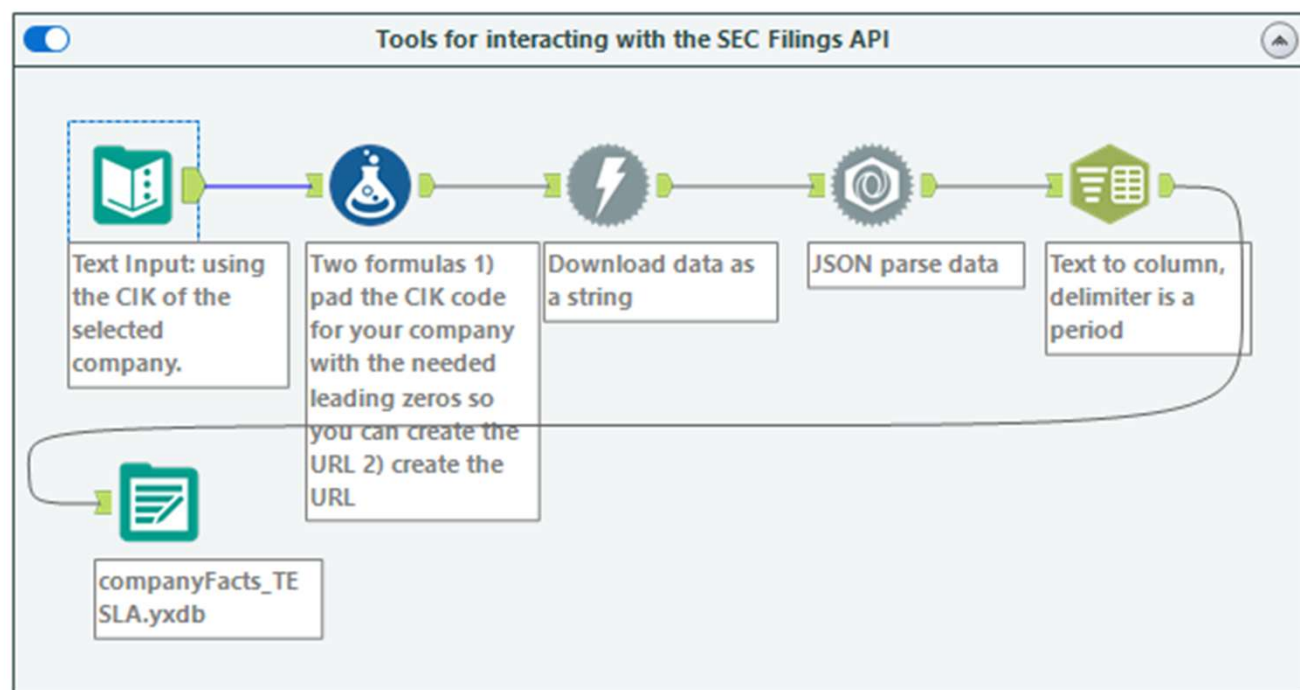
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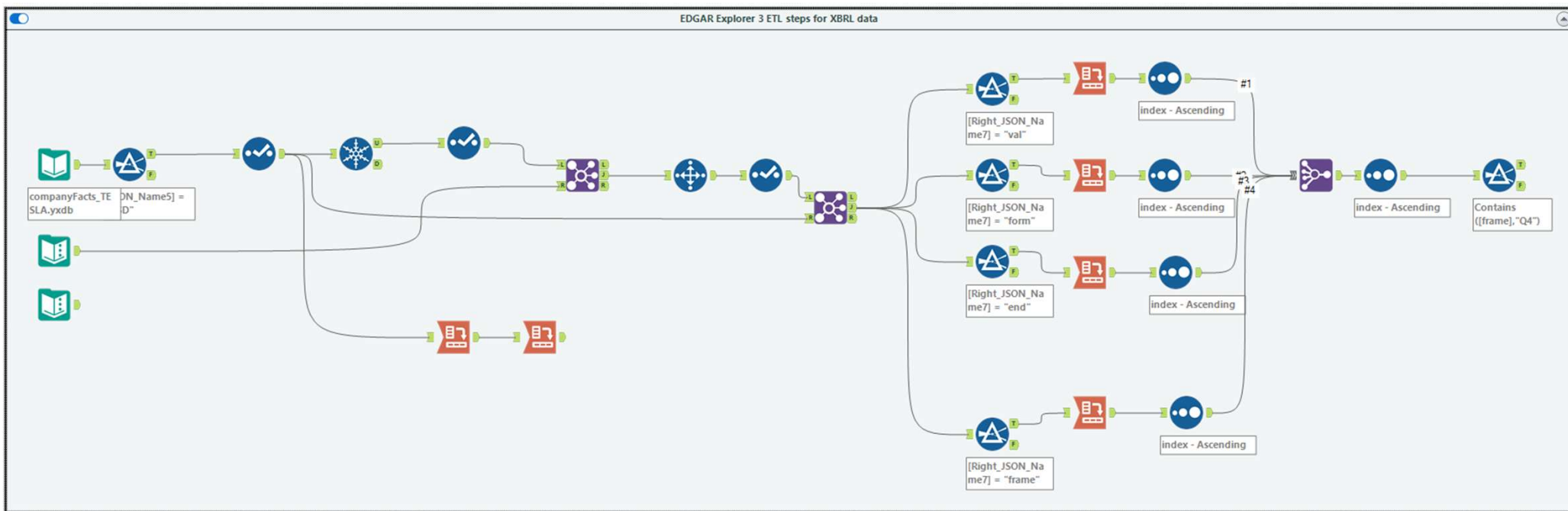
Team Workshop:

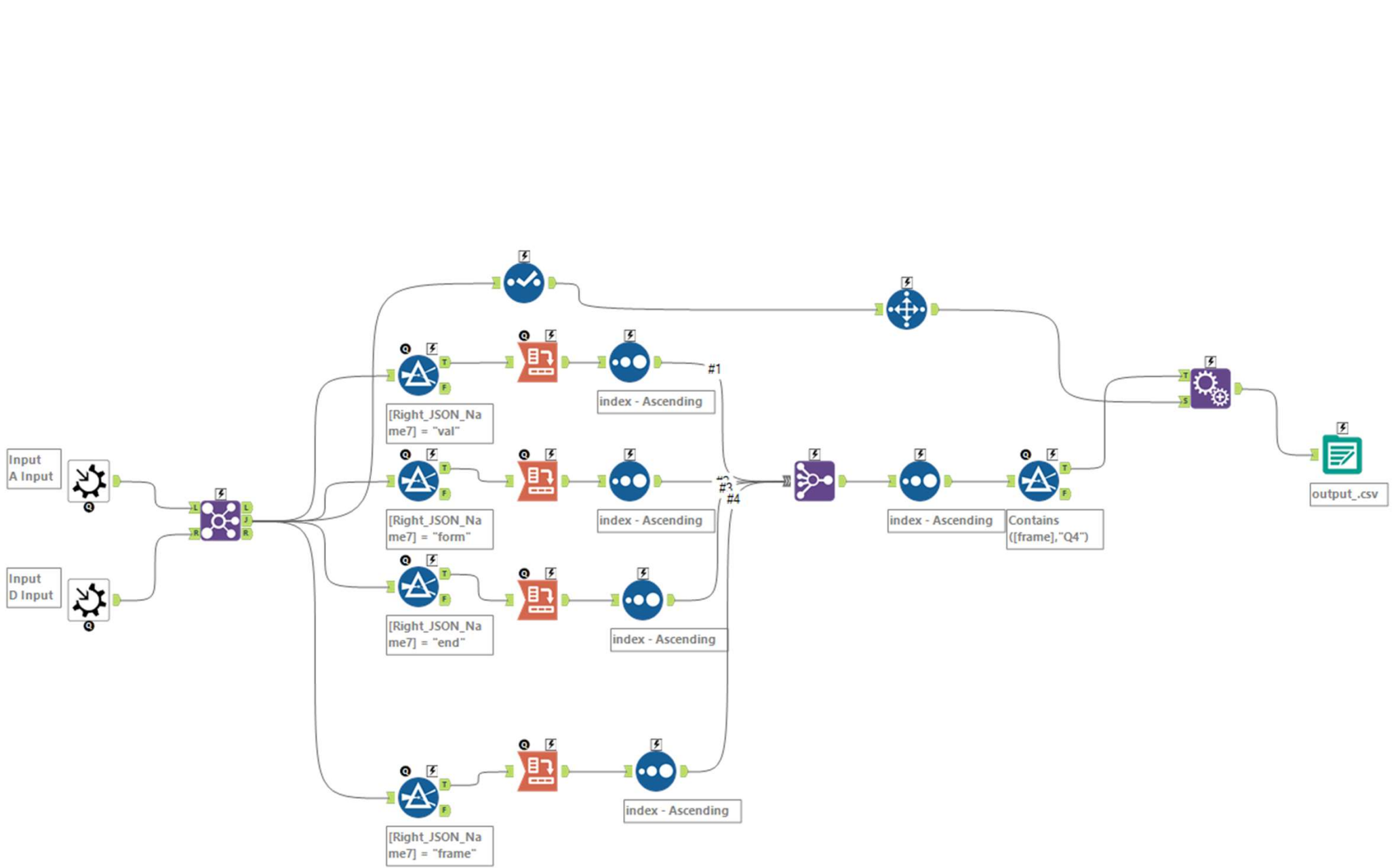
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Use this step first to download the SEC API data from company facts. It will provide output in the form of a json file with all of the XBRL data stored and indexed with some summary filings information (e.g., form filed 10-K/Q and dates).



The analysis workflow is currently split into two approaches to gather 1. Shareholders Equity and details about which time frame the data is from, and then using this to filter out the quarterly and overlapping data to just give a time-series of annual amounts and 2. all XBRL data but only with the index to highlight another potential approach. In both cases, to use these workflows you need to know the names of the accounts you plan on retrieving for analysis.





THANK YOU