

2020 AAA Spark Conference - XBRL Research Program

Initial Preparation Instructions

Your Tasks

- **Complete Step 1 for access to Calcbench, the easiest interface.**
- **Complete Step 2 if you want a more hands-on experience during and after the workshop with XBRL US. Note the June 8, 3 pm EDT deadline for getting expanded access to their data.**
- **The others are optional alternatives for exploration now or later.**

1. **CALCBENCH:** Create a Calcbench account at <https://www.calcbench.com/join>. New users get a two-week trial of Premium Suite access. Participants of this workshop get a 30-day trial if they use the Invite code “cb30research”.
 - a. Make sure to complete the form online; do NOT use a LinkedIn or Google account to authenticate.
 - b. In the “How did you hear about Calcbench?” field, please enter: “XBRL Academic Workshop Orlando”
 - c. See the _1 – Prep - How to access Calcbench document for a screenshot of the process.
2. **XBRL US API, GOOGLE SHEETS:** If you want to try using the XBRL US API in Google Sheets during the workshop, do the following:
 - a. Confirm you have a Google Account. If not, decide if you will create an account by (1) creating a new gmail account or (2) using your non-gmail account (see the link in Google Sheets). Follow the steps to create an account.
 - b. If you want **full access to data for SPARK through July**, send us your name and Google Account email address by **June 8 at 3 pm EDT, using this [form](#)**. Without this access, you’ll be limited to downloading 100 rows at a time.
 - c. Install the XBRL US API Chrome Add-on, following the _2 – Prep - XBRL US API Getting Started document.
 - d. Make a copy of the [XBRL Research Program API sheet](#) and save it in your Google Drive. We will work with this sheet during the workshop. If you can, navigate to the “Selected Companies” tab and try to run the queries there.
 - e. If interested, view the [documentation](#) for our XBRL Research Program API Sheet.
 - f. During the workshop, you can refer to the [XBRL Research Program API sheet – Intangible Assets](#) to see the template completed for our exercise.
3. **XBRL US API, PYTHON:** If you want to try using the XBRL US API in a Python context during the workshop, use the following link (Thanks to Ties de Kok at UW for creating this script for conference attendees to try!):
 - a. https://mybinder.org/v2/gh/TiesdeKok/xbrl-api-playground/master?filepath=xbrl_us_api.ipynb
 - b. If it is still loading after 1 minute, try refreshing the webpage.
 - c. Adjust tags or included companies as desired to change what the query returns. Enter your email address when requested.

- d. Select Cell < RunAll to run it for the first time.
 - e. [*] at the beginning of a section means it is running or waiting to run. Once it has run, a number will appear in place of the *.
 - f. Once you've run all cells once, you can make changes to the query and re-run only the later portions of code, to avoid asking for temporary credentials again unnecessarily. (They will last for 60 minutes). Select the code below "Make a query" as the active window, and then choose Cell<Run All Below to repeat the main parts of the query with different parameters (or simply re-run the portions you change and then the "Automatic: assemble API parameters" portions).
 - g. The Binder instance is temporary, and everything is deleted after 10 minutes of inactivity. It is possible to download the notebook/python file if you want to keep what you used, though.
4. **XBRL BACKGROUND:** We will spend 5 minutes briefly introducing what XBRL is. For a more thorough overview, see the Overview of XBRL video for the XBRL in the Classroom Session for the 2020 AAA Spark conference.
 5. **FASB YETI TAXONOMY VIEWER:** We will examine the FASB Yeti taxonomy. If you want to have access to see the count of filings using each element, do the following:
 - a. Step 1: <http://xbrlview.fasb.org/yeti/resources/yeti-gwt/Yeti.jsp>
 - b. Step 2: Click on "Sign up" in the upper righthand corner, and follow the data entry steps. Click on the subsequent email you will receive to activate the account
 - c. Step 3: If you want to see element usage, go to Taxonomy in the upper left corner, select Open from the drop-down, and click "Subscribe" next to the Development taxonomy line item. Confirm "Subscribe" again in the next window.
 6. **SEC FINANCIAL STATEMENTS AND NOTES DATASETS, SAS:** If you want to explore the output from the SEC financial statements and notes dataset using SAS code:
 - a. Download the [2020q1 notes](#) zipped file from the SEC website, and the [Process SEC template SAS code](#) from <https://sites.google.com/site/elizabethblankespoor/research/data-and-code>.
 - b. Unzip the file, and enter pathnames into the template, in preparation for running the code during the session. We will not discuss this during the session.
 - c. For more information about this dataset, see the [Financial Statements](#) and [Financial Statements and Notes](#) SEC webpages.