

# CETEC ERP

## Day 2: Session #3 - Data/Reporting

*Jordan Jolly*

# POLL

Raise your hand if you pronounce it:

- Day-tah ?
- Dad-uh ?

# RESULTS

Data Pronunciation in the USA, in the UK, and in Europe

Some people **say “day-tuh” and others say “da-tuh.”** Both are acceptable. ... Because of the mix, either pronunciation is acceptable. As an American living in Europe and speaking French, I can assure you the both pronunciations are acceptable.

<https://analystanswers.com> › data-vs-data-data-are-data-is-... ⋮

[Data vs data: “data are/data is” & “day-tuh/da-tuh” - Analyst ...](#)

# RESULTS

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<https://analystanswers.com> › data vs data data are data is-... ⋮

Data vs data: “data are/data is” & “day-tuh/da-tuh” - Analyst

# RESULTS

- DAY-TUH!!!!



# WHY?

- Data points alert you
- You can make inferences from that data
- ...Which helps you make decisions about things.

# WHY?

## E.g. Decisions About Health

- **Data point:** I weigh more now than at age 22
- **Inference:** I have drank too much beer in the past 10 years
- **Decision:** ...                      **NEXT SLIDE!**

# THE PROBLEM: Three Parts

1. Creating a process to ensure good data collection. (this is what ERP forces)



# THE PROBLEM: Three Parts

- ~~1. Creating a process to ensure good data collection. (this is what ERP forces)~~
2. Reporting on that data so it's easy to “see”.

# THE PROBLEM: Three Parts

- ~~1. Creating a process to ensure good data collection. (this is what ERP forces)~~
- ~~2. Reporting on that data so it's easy to see.~~
3. Drawing inferences from the data and making better decisions for your business!

# Today's Problem: Reporting on Data

~~1. Creating a process to ensure good data collection. (this is what ERP forces)~~

**2. Reporting on that data so it's easy to “see”**

~~3. Inferring from the data and making better decisions for your business!~~

# Four Ways To Report On Data

1. **Canned reports/dashboards in Cetec ERP**
2. **Cetec ERP BI Customization**
3. **Export + Excel Skills**
4. **Excel Web Feeds From Cetec API**

# 1. Canned Reports & Dashboards

Cetec ERP is the authoritative data hub, the primary source of data in your business.

The ERP system itself contains numerous screens/reports to help you “see” that data.

# 1. Canned Reports & Dashboards

The screenshot displays the CETEC ERP web application interface. At the top, the navigation bar includes the logo, a search icon, a menu icon, and a list of main menu items: SALES, PARTS, PURCHASING, WAREHOUSE, ACCOUNTING, PRODUCTION, and ADMIN. A red arrow points to the SALES menu item. Below this, a secondary navigation bar lists various report categories: QUOTES, ORDERS, INVOICES, CUSTOMERS, LEADS, OPPORTUNITIES, FORECASTS, and REPORTS. A red arrow points to the INVOICES menu item, which has opened a dropdown menu. This dropdown menu lists several report options: INVOICE LIST, SALES BY PART, COMPONENT/BASE PART SHIPMENTS, SERIAL LIST, TOP LEVEL SERIALS/WARRANTY, RMA LIST, COST COMPARISON, STD COST HISTORY, LABOR VARIANCE, INVOICE AS USED, INVOICE COMMISSIONS, COMMISSION BREAKDOWN, INVOICE VENDOR COMMISSIONS, COMMISSION PAYMENTS, SKID LIST, POS, and SHIP AND DEBITS. A red arrow points to the INVOICE LIST option. On the left side of the page, the 'Invoice List' page header is visible, along with a 'Create Bill Only Invoice' button. The main content area contains a search and filter section with the following fields: Invoice #, Cust PO, Date Type (set to Invoice Date), Intercompany (set to All), Cust Part, Location, and Deferred Revenue (set to All). At the bottom of this section, there is a 'More Options' dropdown, a red 'Submit' button, and a blue 'Print' button. A red arrow points to the Submit button. On the far right, a vertical 'Help' button is visible. In the bottom left corner, there is a small text block: 'Explain and Send Screenshots View http://4-0.cetecerpdevel.com/invoice/list'.

# 1. Canned Reports & Dashboards



View By

Header

More Options

Submit

Print

**Note:** Some columns are excluded on exports of > 1000 rows. Consolidated invoices can be accessed by clicking on a Customer, then selecting "Consolidated Invoices" from the side bar.

Displaying 1 - 11 of 11 [Export](#) [+/- Columns](#)

| Invoice  | Customer            | Cust PO        | Invoice Date | # Lines | Ext Resale  | Total       | Unpaid      | GM         | GP           | Adjust GM  | Print?                   |
|----------|---------------------|----------------|--------------|---------|-------------|-------------|-------------|------------|--------------|------------|--------------------------|
| 1016.1-1 | Vance Refrigeration | 20398423432423 | 2021-10-06   | 1       | \$1,000.00  | \$1,000.00  | \$1,000.00  | 0.00 %     | \$0.00       | 0.00 %     | <input type="checkbox"/> |
| 28-0     | Schrute Farms       |                | 2021-10-06   | 1       | \$300.00    | \$300.00    | \$0.00      | 100.00 %   | \$300.00     | 100.00 %   | <input type="checkbox"/> |
| 1014.1-1 | Guitar John         |                | 2021-10-05   | 1       | \$809.15    | \$864.15    | \$864.15    | -9900.00 % | \$-80,105.85 | -9900.00 % | <input type="checkbox"/> |
| 1006.1-1 | Vance Refrigeration | 01927470       | 2021-10-01   | 1       | \$0.00      | \$0.00      | \$0.00      |            | \$-2,276.88  |            | <input type="checkbox"/> |
| 15.1-2   | Vance Refrigeration | 01927470       | 2021-09-21   | 1       | \$10,738.00 | \$10,748.00 | \$10,748.00 | 71.18 %    | \$7,643.00   | 71.18 %    | <input type="checkbox"/> |
| 36.1-1   | Schrute Farms       | PO1234         | 2021-09-29   | 2       | \$6,500.00  | \$6,500.00  | \$0.00      | 100.00 %   | \$6,500.00   | 100.00 %   | <input type="checkbox"/> |
| 15-0     | Edge Products       |                | 2021-09-29   | 1       | \$100.00    | \$100.00    | \$100.00    | 90.00 %    | \$90.00      | 100.00 %   | <input type="checkbox"/> |
| 43.1-1   | Vance Refrigeration | 124152         | 2021-09-29   | 1       | \$711.75    | \$711.75    | \$711.75    | -116.89 %  | \$-832.00    | -116.89 %  | <input type="checkbox"/> |
| 50.1-1   | New Quote Customer  |                | 2021-09-29   | 1       | \$5.29      | \$5.29      | \$0.00      | 6.35 %     | \$0.34       | 6.35 %     | <input type="checkbox"/> |

Explain and Send Screenshots

[http://www.ceterpdevelopment.com/invoice/list?related=1&export\\_rows=&company=&invoice\\_num=&custpo=&from\\_date=2021-09-12&to\\_date=&date\\_type=ms.invoice.date&intercompany=no&propart=&custpart=&order\\_type=&wtr\\_transfer=&exclude\\_credit\\_memo](http://www.ceterpdevelopment.com/invoice/list?related=1&export_rows=&company=&invoice_num=&custpo=&from_date=2021-09-12&to_date=&date_type=ms.invoice.date&intercompany=no&propart=&custpart=&order_type=&wtr_transfer=&exclude_credit_memo)

Help

# 1. Canned Reports & Dashboards

## INVOICE VALUES

MN, MZ, SD, MC, FO

|                | Ext Resale <span>i</span> | Cost        | GP Value     | GM %    |
|----------------|---------------------------|-------------|--------------|---------|
| Yesterday      | \$0.00                    | \$0.00      | \$0.00       | 0 %     |
| Today          | \$0.00                    | \$0.00      | \$0.00       | 0 %     |
| MTD            | \$2,109.15                | \$84,191.88 | \$-82,082.73 | -3891 % |
| Prior MTD      | \$0.00                    | \$0.00      | \$0.00       | 0 %     |
| Prior Year MTD | \$0.00                    | \$0.00      | \$0.00       | 0 %     |
| Prior Month    | \$18,255.04               | \$4,709.70  | \$13,545.34  | 74 %    |
| YTD            | \$20,364.19               | \$88,901.57 | \$-68,537.39 | -336 %  |
| Prior YTD      | \$0.00                    | \$0.00      | \$0.00       | 0 %     |
| Prior Year     | \$0.00                    | \$0.00      | \$0.00       | 0 %     |



Update

Explain and Send Screenshots

<http://4-0:cetecerpdevelop.com/dashboard/pulse>



# 1. Canned Reports & Dashboards

- There are a bunch of these in Cetec ERP
- We continue to add more and more of them

What if I want to make my own?

# Four Ways To Report On Data

- ~~1. Canned reports/dashboards in Cetec ERP~~
2. Cetec ERP BI Customization
3. Export + Excel Skills
4. Excel Web Feeds From Cetec API

## 2. Cetec ERP BI Customizations

The screenshot displays the Cetec ERP BI dashboard interface. At the top, there is a blue header bar containing a search bar with the text "Search...", a button labeled "Ask a question", and several utility icons (plus, document, bell, gear). Below the header, the main content area is titled "OUR DATA > DEMO". It features a grid of 15 white rectangular widgets, each representing a different data visualization type. Each widget has a small purple grid icon on the left and a text label. The widgets are arranged in a 5x3 grid. Two red arrows point to the "Invoice Lines" widget, which is located in the third row, second column. The "Invoice Lines" widget also features a yellow lightning bolt icon and a document icon on its right side. At the bottom left of the dashboard, there is a URL: <http://cetecerp.com/product/feature-demos/reporting/custom-reporting-bi-overview.html>. The bottom right corner of the slide shows the number "19".

| Widget Label             | Widget Label     | Widget Label       |
|--------------------------|------------------|--------------------|
| A/P                      | A/P Payments     | A/R                |
| Addresses                | Bin Inventory    | BOMs               |
| Booking Lines            | Closed P/O Lines | Customers          |
| Inside Sales Reps        | Inventory        | Invoice Lines      |
| Invoice Lines As Used    | Open A/P         | Open Order Lines   |
| Open Order Lines As Used | Open P/O Lines   | Outside Sales Reps |

## 2. Cetec ERP BI Customizations

The screenshot displays the 'New question' configuration interface in the Cetec ERP BI system. At the top, there is a search bar with the placeholder text 'Q Search...' and an 'Ask a question' button. Below this, the 'New question' header is visible, followed by a toolbar containing 'SAVE', a refresh icon, a share icon, a print icon, and a menu icon. The main configuration area is divided into four sections: 'DATA' (set to 'Invoice Lines'), 'FILTERED BY' (with the text 'Add filters to narrow your answer' and a plus icon), 'VIEW' (set to 'Raw data'), and 'GROUPED BY' (with the text 'Add a grouping' and a plus icon). A blue 'Cancel' button is positioned below the configuration area. At the bottom of the screen, a large, faint watermark reads 'If you give me some data I can do something cool. Run a Query! DOING SCIENCE... How do I use this thing?'.

# 2. Cetec ERP BI Customizations

Search... Ask a question

### New question

SAVE [Icons]

DATA: Invoice Lines (selected) FILTERED BY: Add filters to narrow your answer (+) VIEW: Raw data GROUPED BY: Add a grouping (+)

VISUALIZATION: Table (selected) [Settings] Get Answer Showing 367 rows

| Invoice Number | Customer | Customer Part Number | Ext Actual Labor | Ext Cost | Ext Estimated Labor | Ext Labor Variance | Ext Margin | Ext Resale | Fob P |
|----------------|----------|----------------------|------------------|----------|---------------------|--------------------|------------|------------|-------|
| MN1.1-1        | Exxon    |                      | 100              | 70.6     | 0                   | 24.31              | 84.9       | 155.54     | S     |
| MN3.1-1        | Apple    |                      | 100              | 60.6     | 0                   | -2.08              | 19,939.4   | 20,000     | S     |
| MN7.1-1        | Apple    |                      | 0                | 4        | 0                   | 0                  | 9.6        | 1,000      | S     |
| MN7.1-1        | Apple    |                      | 0                | 0.1      | 0                   | 0                  | 9.9        | 2          | S     |
| MN7.1-1        | Apple    |                      | 0                | 0.15     | 0                   | 0                  | 2.5        | 3          | S     |
| MN5.1-1        | Exxon    |                      | 100              | 43.93    | 0                   | 14.58              | 111.6      | 155.54     | S     |
| MN5.1-1        | Exxon    |                      | 0                | 0.25     | 0                   | 0                  | 14.75      | 15         | S     |
| MN9.1-1        | Exxon    |                      | 0                | 0.6      | 0                   | 39.58              | 154.94     | 155.54     | S     |

Explain and Send Screenshots  
<http://cetecerp.com/product/feature-demos/reporting/custom-reporting-bi-overview.html>

# 2. Cetec ERP BI Customizations

The screenshot shows a BI tool interface with a table of invoice lines. The table has columns for Invoice Number, Customer, Customer Part Number, Estimated Labor, Ext Labor Variance, Ext Margin, Ext Resale, and Job P. The 'Ext Resale' column header is circled in red. A dropdown menu is open over the table, showing a search for 'ext' and a list of metrics including 'Ext Resale', which is highlighted in green. A red arrow points to the 'Raw data' view button, and another red arrow points to the 'Sum of ...' dropdown menu. A third red arrow points to the 'Ext Resale' option in the dropdown menu.

**Table Data:**

| Invoice Number | Customer | Customer Part Number | Estimated Labor | Ext Labor Variance | Ext Margin | Ext Resale | Job P |
|----------------|----------|----------------------|-----------------|--------------------|------------|------------|-------|
| MN1.1-1        | Exxon    |                      | 0               | 24.31              | 84.94      | 155.54     | S     |
| MN3.1-1        | Apple    |                      | 0               | -2.08              | 19,939.4   | 20,000     | S     |
| MN7.1-1        | Apple    |                      | 0               | 0                  | 996        | 1,000      | S     |
| MN7.1-1        | Apple    |                      | 0               | 0                  | 1.9        | 2          | S     |
| MN7.1-1        | Apple    |                      | 0               | 0                  | 2.85       | 3          | S     |
| MN5.1-1        | Exxon    |                      | 0               | 14.58              | 111.61     | 155.54     | S     |
| MN5.1-1        | Exxon    |                      | 0               | 0                  | 14.75      | 15         | S     |
| MN9.1-1        | Exxon    |                      | 0               | 39.58              | 154.94     | 155.54     | S     |

Explain and Send Screenshots  
<http://cetecerp.com/product/feature-demos/reporting/custom-reporting-bi-overview.html>

## 2. Cetec ERP BI Customizations

The screenshot displays the 'New question' configuration interface in the Cetec ERP BI tool. The interface is divided into several sections:

- DATA:** Set to 'Invoice Lines'.
- FILTERED BY:** Includes filters for 'Customer' (set to 'No'), 'Inter Company? is', and 'Ship Date' (set to 'Previous Year').
- VIEW:** The main measure is 'Sum of Ext Resale'.
- GROUPED BY:** Currently empty, with an option to 'Add a grouping'.
- VISUALIZATION:** Set to 'Number'.
- Actions:** Includes a 'Refresh' button, which is highlighted with a red arrow.

Below the interface, a large blue number '714,827.92' is displayed, with a red arrow pointing to it from the left.

## 2. Cetec ERP BI Customizations

The screenshot displays the 'New question' interface in the Cetec ERP BI tool. The 'DATA' section is set to 'Invoice Lines'. The 'FILTERED BY' section includes filters for 'Customer' (set to 'No') and 'Ship Date' (set to 'Previous Year'). The 'VIEW' section shows the aggregation 'Sum of Ext Resale'. The 'GROUPED BY' section is currently empty, with a red arrow pointing to the 'Add a grouping' button. A dropdown menu is open, showing a search for 'name' and listing several fields: 'Invoice Line', 'Customer', 'Bill To Name', 'Name' (highlighted in green), 'Ship To Name', 'ISR', 'OSR', and 'Prc Part'. A red arrow points from the 'Name' field in the dropdown to the 'Customer' field in the 'GROUPED BY' section. A large number '714,827' is overlaid on the bottom left of the interface.

714,827

Explain and Send Screenshots  
<http://cetecerp.com/product/feature-demos/reporting/custom-reporting-bi-overview.html>



# 2. Cetec ERP BI Customizations

The screenshot displays the Cetec ERP BI interface. At the top, there is a search bar and an "Ask a question" button. Below this, the "New question" section shows the following configuration:

- DATA:** Invoice Lines
- FILTERED BY:** Customer (No), Inter Company? is (No), Ship Date (Previous Year)
- VIEW:** Sum of Ext Resale
- GROUPED BY:** Customer (Name)

A large number, **714,827.92**, is overlaid on the center of the screen. A dropdown menu is open for the "Customer" field in the "GROUPED BY" section, showing the following options:

- Minute
- Hour
- Day
- Week
- Month** (highlighted)
- Quarter
- Year
- Minute of hour
- Hour of day

At the bottom left, there is a footer with the text: "Explain and Send Screenshots" and a URL: <http://cetecerp.com/product/feature-demos/reporting/custom-reporting-bi-overview.html>

## 2. Cetec ERP BI Customizations

Search...

Ask a question

New question

SAVE

DATA: Invoice Lines

FILTERED BY: Customer (No), Inter Company? is, Ship Date (Previous Year)

VIEW: Sum of Ext Resale

GROUPED BY: Customer Name and Ship Date: Month

VISUALIZATION: Number

Cancel

714,827.92

DOING SCIENCE...

Explain and Send Screenshots

<http://cetecerp.com/product/feature-demos/reporting/custom-reporting-bi-overview.html>

# 2. Cetec ERP BI Customizations

**New question** SAVE + + + +

DATA: Invoice Lines

FILTERED BY: Customer Inter Company? is No, Ship Date Previous Year

VIEW: Sum of Ext Resale

GROUPED BY: Customer Name and Ship Date: Month

VISUALIZATION: Table

Get Answer

Showing 54 rows

| Name            | Ship Date: Month | Resale      |
|-----------------|------------------|-------------|
| 24 Hour Fitness | May, 2018        | \$1,050.00  |
| 24 Hour Fitness | Sep, 2018        | \$2,000.00  |
| 24 Hour Fitness | Oct, 2018        | \$46.00     |
| 24 Hour Fitness | Nov, 2018        | -\$5.00     |
| ABC Shirts      | Mar, 2018        | \$40,100.00 |
| ABC Shirts      | May, 2019        | \$70.50     |
| ABC Shirts      | Jun, 2019        | -\$1,003.00 |
| ABC Shirts      | Jan, 2019        | \$500.00    |

<http://cetecerp.com/products/feature-demos/reporting/custom-reporting-bi-overview.html>

## 2. Cetec ERP BI Customizations

**Columns** Conditional Formatting

**Pivot the table**

**Visible columns**

Click and drag to change their order

| Name            | Ship Date: Month | Sum      |
|-----------------|------------------|----------|
| 24 Hour Fitness | May, 2018        | 1,050    |
| 24 Hour Fitness | Sep, 2018        | 2,000    |
| 24 Hour Fitness | Oct, 2018        | 46       |
| 24 Hour Fitness | Nov, 2018        | -5       |
| ABC Shirts      | Mar, 2018        | 40,100   |
| ABC Shirts      | May, 2019        | 70.5     |
| ABC Shirts      | Jun, 2019        | -1,003   |
| Apple           | Jan, 2018        | 500      |
| Apple           | Feb, 2018        | 315,593  |
| Apple           | Mar, 2018        | 2,462.51 |

Rows 1-10 of 54

Reset to defaults Cancel Done

Explain and Send Screenshots  
<http://cetecerp.com/product/feature-demos/reporting/custom-reporting-bi-overview.html>

## 2. Cetec ERP BI Customizations

The screenshot displays the Cetec ERP BI interface. At the top, there is a search bar and an 'Ask a question' button. Below this, the 'New question' section is visible, showing the configuration for a query. The data source is 'Invoice Lines', filtered by 'Customer' (No) and 'Ship Date' (Previous Year). The view is 'Sum of Ext Resale', and the results are grouped by 'Customer Name' and 'Ship Date: Month'. A 'Get Answer' button is present, and the interface indicates it is showing 54 rows.

**Visualization:** Table

| Name                     | January, 2018 | February, 2018 | March, 2018 | April, 2018 | May, 2018  | June, 2018 | July, 2018 | August, 2018 | September, 2018 | October, 2018 |
|--------------------------|---------------|----------------|-------------|-------------|------------|------------|------------|--------------|-----------------|---------------|
| 24 Hour Fitness          |               |                |             |             | \$1,050.00 |            |            |              | \$2,000.00      | \$4           |
| ABC Shirts               |               |                | \$40,100.00 |             |            |            |            |              |                 |               |
| Apple                    | \$500.00      | \$315,593.00   | \$2,462.51  |             |            | \$900.00   | \$100.00   | \$60,000.00  | \$0             | \$15          |
| Boeing                   | \$0           |                |             |             | \$7,441.60 |            |            |              | \$650.00        |               |
| Boston Scientific Corp.  |               |                |             |             |            |            |            |              |                 |               |
| Ceco Building            |               |                |             | \$500.00    |            |            |            |              |                 |               |
| Design & Fab Contractors |               |                |             |             |            |            |            |              |                 | \$22          |
| Disney World             |               |                |             | \$2,500.00  | \$500.00   |            |            |              | \$244.77        | \$5.16        |

<http://cetecerp.com/product/feature-demos/reporting/custom-reporting-bi-overview.html>

# 2. Cetec ERP BI Customizations

**Search...** **Ask a question** **+** **+** **+** **+**

**New question** **SAVE** **+** **+** **+** **+**

**DATA** **FILTERED BY** **VIEW** **GROUPED BY**

**Invoice Lines** **Customer** **Inter Company? is** **Ship Date** **Sum of Ext Resale** **Customer Name** **and Ship Date: Month**

**No** **Previous Year** **+** **+** **+** **+** **...**

**VISUALIZATION** **Refresh** **Showing 54 rows**

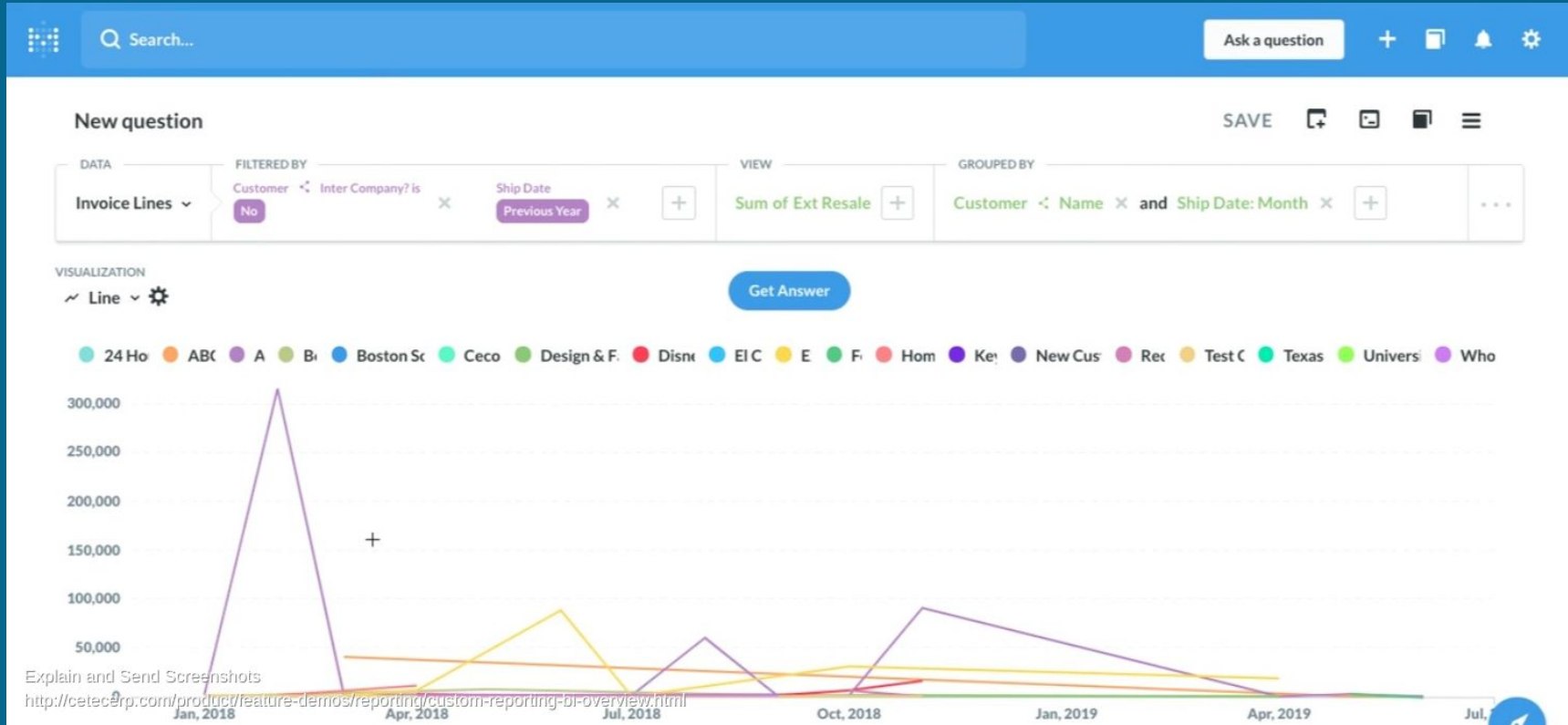
**Table** **Progress** **Gauge** **Table** **Line** **Area** **Bar**

|   | January, 2018 | February, 2018 | March, 2018 | April, 2018 | May, 2018 | June, 2018 | July, 2018 | August, 2018 | September, 2018 | October, 2018 |
|---|---------------|----------------|-------------|-------------|-----------|------------|------------|--------------|-----------------|---------------|
| N |               |                |             |             | 1,050     |            |            |              | 2,000           |               |
| 2 |               |                | 40,100      |             |           |            |            |              |                 |               |
| A | 500           | 315,593        | 2,462.51    |             |           | 900        | 100        | 60,000       | 0               |               |
| B | 0             |                |             |             | 7,441.6   |            |            |              | 650             |               |
| B |               |                |             | 500         |           |            |            |              |                 |               |
| C |               |                |             |             |           |            |            |              |                 |               |
| D |               |                |             |             | 2,500     | 500        |            |              | 244.77          |               |

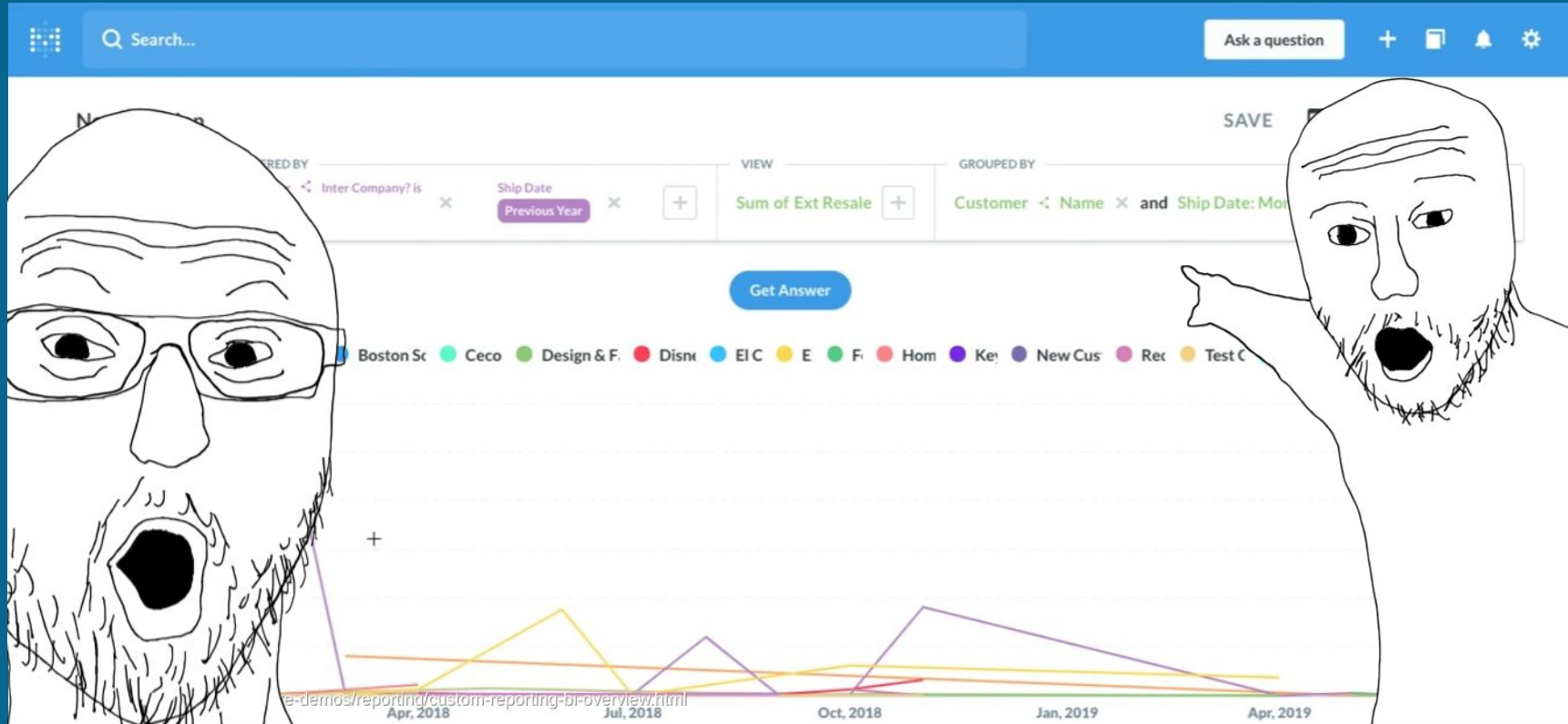
**5.16**

<http://cetecerp.com/Product/feature-demos/reporting/custom-reporting-bi-overview.html>

# 2. Cetec ERP BI Customizations



## 2. Cetec ERP BI Customizations





## 2. Cetec ERP BI Customizations

What if I don't have Cetec ERP BI?

- How much is getting your own quick custom reports worth? Could you quantify it?
- Any time recovered from chasing reporting?
- Excel skills are valuable! (up next)

# Four Ways To Report On Data

- ~~1. Canned reports/dashboards in Cetec ERP~~
- ~~2. Cetec ERP BI Customization~~
3. Export + Excel Skills
4. Excel Web Feeds From Cetec API

# 3. Export + Excel Skills

## Case Study: Inventory Aging

- I want to see my current inventory \$
- Aged into monthly buckets

# 3. Export + Excel Skills

## Part List By Bin

**Information:** Wait on this page for the document to download when done. The export will also be available in My Exports when finished

Prctpart   Bin  Location

Expires (from) - (to) Created (from) - (to) ABC Code

Lot Code  Is Locked  BOMs

Drawing Number  Include Total Value?

<< Previous | 1 2 3 4 5 6 7 8 | Next >> View All

Displaying 1 - 50 of 369 [Export](#) +/- Columns

| PRC | Part    | Prctpart   | Receipt | Bin Qty | UOM | Bin Cost | Bin Ext Value | Pick Qty | Shelf Qty | Created On | Info |
|-----|---------|------------|---------|---------|-----|----------|---------------|----------|-----------|------------|------|
| SUB | 200     | SUB200     | 847     | 1       |     | \$305.30 | \$305.30      | 0        | 1         | 2021-10-08 |      |
| RAW | 2847199 | RAW2847199 | 840     | 10      | EA  | \$0.44   | \$4.37        | 0        | 10        | 2021-10-08 |      |
| RAW | 9462711 | RAW9462711 | 839     | 100     | EA  | \$1.50   | \$150.00      | 0        | 100       | 2021-10-08 |      |

Export and Send Screenshots

[https://demo.cetecerp.com/partlist\\_by\\_location?abc\\_code=all&bin\\_search=&boms\\_only=all&created\\_from\\_date=&created\\_to\\_date=&drawing\\_number\\_bc\\_restriction=&expire\\_from\\_date=&expire\\_to\\_date=&ifoix\\_grid-partlistbylocation\\_order\\_by=rne.id+des](https://demo.cetecerp.com/partlist_by_location?abc_code=all&bin_search=&boms_only=all&created_from_date=&created_to_date=&drawing_number_bc_restriction=&expire_from_date=&expire_to_date=&ifoix_grid-partlistbylocation_order_by=rne.id+des)

Help

# 3. Export + Excel Skills

1852-part\_list\_by\_location (1) ☆ 📁 🔄

File Edit View Insert Format Data Tools Add-ons Help Last edit was seconds ago

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A1 - fx PRC

|    | A   | B                 | C       | D           | E                 | F      | G        | H        | I          | J          | K        | L         | M          | N | O |
|----|-----|-------------------|---------|-------------|-------------------|--------|----------|----------|------------|------------|----------|-----------|------------|---|---|
| 1  | PRC | Part              | Prcpart | Receipt     | Primary B Bin Qty | UOM    | Bin Cost | Bin Cost | Bin Ext Va | Bin Ext Va | Pick Qty | Shelf Qty | Created On |   |   |
| 2  | SUB | 200 SUB200        |         | 847 SUB200  |                   | 1      | 305.30   | 305.3    | 305.30     | 305.3      | 0        | 1         | 2021-10-08 |   |   |
| 3  | RAW | 2847199 RAW2847   |         | 840 RAW2847 |                   | 10 EA  | 0.44     | 0.436847 | 4.37       | 4.368477   | 0        | 10        | 2021-10-08 |   |   |
| 4  | RAW | 9462711 RAW9462   |         | 839 RAW9462 |                   | 100 EA | 1.50     | 1.5      | 150.00     | 150        | 0        | 100       | 2021-10-08 |   |   |
| 5  | RAW | 8392785 RAW8392   |         | 838 RAW8392 |                   | 10 EA  | 0.23     | 0.22539  | 2.25       | 2.2539     | 0        | 10        | 2021-10-08 |   |   |
| 6  | PRT | 3 PRT3            |         | 837 PRT3    |                   | 7 EA   | 3.00     | 3        | 21.00      | 21         | 0        | 7         | 2021-10-08 |   |   |
| 7  | PRT | 2 PRT2            |         | 836 PRT2    |                   | 10 EA  | 2.00     | 2        | 20.00      | 20         | 0        | 10        | 2021-10-08 |   |   |
| 8  | PRT | 1 PRT1            |         | 835 PRT1    |                   | 10 EA  | 1.00     | 1        | 10.00      | 10         | 0        | 10        | 2021-10-08 |   |   |
| 9  | CAN | L4E6SBLA CANL4E6S |         | 834         |                   | 50 FT  | 0.50     | 0.5      | 25.00      | 25         | 0        | 50        | 2021-09-29 |   |   |
| 10 | CAN | CB02GRE CANCB02   |         | 832         |                   | 8      | 5.00     | 5        | 40.00      | 40         | 0        | 8         | 2021-09-29 |   |   |
| 11 | CBL | 70-0142 CBL70-01  |         | 831         |                   | 4      | 0.50     | 0.5      | 2.00       | 2          | 0        | 4         | 2021-09-29 |   |   |
| 12 | CAN | L4E6SBLA CANL4E6S |         | 830         |                   | 20 FT  | 0.20     | 0.2      | 4.00       | 4          | 20       | 0         | 2021-09-29 |   |   |
| 13 | CAN | BCPB25H CANBCPB   |         | 829         |                   | 20     | 1.00     | 1        | 20.00      | 20         | 0        | 20        | 2021-09-29 |   |   |
| 14 | CAN | CB02WHI CANCB02   |         | 828         |                   | 10     | 4.50     | 4.5      | 45.00      | 45         | 0        | 10        | 2021-09-29 |   |   |
| 15 | CAN | CB02RED CANCB02   |         | 827         |                   | 10     | 4.00     | 4        | 40.00      | 40         | 0        | 10        | 2021-09-29 |   |   |
| 16 | CAN | CB02GRE CANCB02   |         | 826         |                   | 10     | 5.00     | 5        | 50.00      | 50         | 0        | 10        | 2021-09-29 |   |   |
| 17 | CAN | CB02WHI CANCB02   |         | 825         |                   | 6      | 4.50     | 4.5      | 27.00      | 27         | 4        | 2         | 2021-09-29 |   |   |
| 18 | CAN | CB02RED CANCB02   |         | 824         |                   | 6      | 4.00     | 4        | 24.00      | 24         | 4        | 2         | 2021-09-29 |   |   |
| 19 | CAN | CB02GRE CANCB02   |         | 823         |                   | 6      | 5.00     | 5        | 30.00      | 30         | 4        | 2         | 2021-09-29 |   |   |
| 20 | CAN | CB02WHI CANCB02   |         | 822         |                   | 6      | 3.00     | 3        | 30.00      | 30         | 4        | 2         | 2021-09-29 |   |   |

# 3. Export + Excel Skills

The screenshot shows the Microsoft Excel interface with the 'Format' menu open. The left pane lists various formatting options, and the right pane shows the selected 'Accounting' style. A red arrow points from the 'Strikethrough' option in the left pane to the 'Accounting' option in the right pane.

**Spreadsheet Data (Left Pane):**

|    | A   | B        | C        |
|----|-----|----------|----------|
| 1  | PRC | Part     | Prcpart  |
| 2  | SUB | 200      | SUB200   |
| 3  | RAW | 2847199  | RAW2847  |
| 4  | RAW | 9462711  | RAW9462  |
| 5  | RAW | 8392785  | RAW8392  |
| 6  | PRT | 3        | PRT3     |
| 7  | PRT | 2        | PRT2     |
| 8  | PRT | 1        | PRT1     |
| 9  | CAN | L4E6SBLA | CANL4E6S |
| 10 | CAN | CB02GRE  | CANCB02  |
| 11 | CBL | 70-0142  | CBL70-01 |
| 12 | CAN | L4E6SBLA | CANL4E6S |
| 13 | CAN | BCPB25H  | CANBCPB  |
| 14 | CAN | CB02WHI  | CANCB02  |
| 15 | CAN | CB02RED  | CANCB02  |
| 16 | CAN | CB02GRE  | CANCB02  |
| 17 | CAN | CB02WHI  | CANCB02  |
| 18 | CAN | CB02RED  | CANCB02  |
| 19 | CAN | CB02GRE  | CANCB02  |
| 20 | CAN | CB02WHI  | CANCB02  |

**Format Menu (Left Pane):**

- Theme (New)
- Number
- B Bold (Ctrl+B)
- I Italic (Ctrl+I)
- U Underline (Ctrl+U)
- ABC Strikethrough (Alt+Shift+5)
- Font size
- Align
- Merge cells
- Text wrapping
- Text rotation
- Conditional formatting

**Format Menu (Right Pane):**

- Automatic
- Plain text
- Number 1,000.12
- Percent 10.12%
- Scientific 1.01E+03
- Accounting \$(1,000.12)
- Financial (1,000.12)
- Currency \$1,000.12
- Currency (rounded) \$1,000
- Date 9/26/2008
- Time 3:59:00 PM
- Date time 9/26/2008 15:59:00
- Duration 24:01:00

**Spreadsheet Data (Right Pane):**

|   | M         | N          | O | P |
|---|-----------|------------|---|---|
|   | Shelf Qty | Created On |   |   |
| 0 | 1         | 2021-10-08 |   |   |
| 0 | 10        | 2021-10-08 |   |   |
| 0 | 100       | 2021-10-08 |   |   |
| 0 | 10        | 2021-10-08 |   |   |
| 0 | 7         | 2021-10-08 |   |   |
| 0 | 10        | 2021-10-08 |   |   |
| 0 | 10        | 2021-10-08 |   |   |
| 0 | 50        | 2021-09-29 |   |   |
| 0 | 8         | 2021-09-29 |   |   |
| 0 | 4         | 2021-09-29 |   |   |
| 0 | 0         | 2021-09-29 |   |   |
| 0 | 20        | 2021-09-29 |   |   |
| 0 | 10        | 2021-09-29 |   |   |
| 0 | 10        | 2021-09-29 |   |   |
| 0 | 10        | 2021-09-29 |   |   |
| 4 | 2         | 2021-09-29 |   |   |
| 4 | 2         | 2021-09-29 |   |   |
| 4 | 2         | 2021-09-29 |   |   |
| 4 | 03        | 2021-09-29 |   |   |

# 3. Export + Excel Skills

The screenshot shows the Microsoft Excel interface with the 'Data' menu open. The menu options are:

- Sort sheet by **column A**, A → Z
- Sort sheet by **column A**, Z → A
- Sort range by **column A**, A → Z
- Sort range by **column A**, Z → A
- Sort range
- Create a filter
- Filter views
- Slicer
- Data validation
- Pivot table
- Randomize range
- Named ranges
- Protected sheets and ranges

A red arrow points to the 'Pivot table' option. The background shows a spreadsheet with columns A-D and J-P. The 'Data' menu is open over the spreadsheet.

|    | A   | B        | C        | D       | J      | K          | L        | M         | N          | O | P |
|----|-----|----------|----------|---------|--------|------------|----------|-----------|------------|---|---|
| 1  | PRC | Part     | Prcpart  | Receipt | Ext Va | Bin Ext Va | Pick Qty | Shelf Qty | Created On |   |   |
| 2  | SUB | 200      | SUB200   | 847     | 305.30 | 305.3      | 0        | 1         | 10/8/202   |   |   |
| 3  | RAW | 2847199  | RAW2847  | 840     | 4.37   | 4.368477   | 0        | 10        | 10/8/202   |   |   |
| 4  | RAW | 9462711  | RAW9462  | 839     | 150.00 | 150        | 0        | 100       | 10/8/202   |   |   |
| 5  | RAW | 8392785  | RAW8392  | 838     | 2.25   | 2.25       | 0        | 10        | 10/8/202   |   |   |
| 6  | PRT | 3        | PRT3     | 837     | 21.00  | 21         | 0        | 7         | 10/8/202   |   |   |
| 7  | PRT | 2        | PRT2     | 836     | 20.00  | 20         | 0        | 10        | 10/8/202   |   |   |
| 8  | PRT | 1        | PRT1     | 835     | 10.00  | 10         | 0        | 10        | 10/8/202   |   |   |
| 9  | CAN | L4E6SBLA | CANL4E6  | 834     | 25.00  | 25         | 0        | 50        | 9/29/202   |   |   |
| 10 | CAN | CB02GRE  | CANCB02  | 832     | 40.00  | 40         | 0        | 8         | 9/29/202   |   |   |
| 11 | CBL | 70-0142  | CBL70-01 | 831     | 2.00   | 2          | 0        | 4         | 9/29/202   |   |   |
| 12 | CAN | L4E6SBLA | CANL4E6  | 830     | 4.00   | 4          | 20       | 0         | 9/29/202   |   |   |
| 13 | CAN | BCPB25H  | CANBCPB  | 829     | 20.00  | 20         | 0        | 20        | 9/29/202   |   |   |
| 14 | CAN | CB02WHI  | CANCB02  | 828     | 45.00  | 45         | 0        | 10        | 9/29/202   |   |   |
| 15 | CAN | CB02RED  | CANCB02  | 827     | 40.00  | 40         | 0        | 10        | 9/29/202   |   |   |
| 16 | CAN | CB02GRE  | CANCB02  | 826     | 50.00  | 50         | 0        | 10        | 9/29/202   |   |   |
| 17 | CAN | CB02WHI  | CANCB02  | 825     | 27.00  | 27         | 4        | 2         | 9/29/202   |   |   |
| 18 | CAN | CB02RED  | CANCB02  | 824     | 24.00  | 24         | 4        | 2         | 9/29/202   |   |   |
| 19 | CAN | CB02GRE  | CANCB02  | 823     | 30.00  | 30         | 4        | 2         | 9/29/202   |   |   |
| 20 | CAN | CB02WHI  | CANCB02  | 822     | 188.00 | 188        | 4        | 0         | 9/29/202   |   |   |

# 3. Export + Excel Skills

The screenshot shows the Google Sheets interface with a Pivot Table Editor on the right. The spreadsheet has columns labeled 'Columns' and 'Rows' in row 1, and 'Values' in row 2. The Pivot Table Editor is titled 'Pivot table editor' and shows the range 'Sheet1!1:1000'. It has sections for 'Suggested', 'Rows', 'Columns', 'Values', and 'Filters', each with an 'Add' button. A red arrow points to the 'Add' button for 'Rows'.

1852-part\_list\_by\_location (1) ☆ 📄 ☁

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A1 fx

|    | A    | B       | C | D | E | F | G | H |
|----|------|---------|---|---|---|---|---|---|
| 1  |      | Columns |   |   |   |   |   |   |
| 2  | Rows | Values  |   |   |   |   |   |   |
| 3  |      |         |   |   |   |   |   |   |
| 4  |      |         |   |   |   |   |   |   |
| 5  |      |         |   |   |   |   |   |   |
| 6  |      |         |   |   |   |   |   |   |
| 7  |      |         |   |   |   |   |   |   |
| 8  |      |         |   |   |   |   |   |   |
| 9  |      |         |   |   |   |   |   |   |
| 10 |      |         |   |   |   |   |   |   |
| 11 |      |         |   |   |   |   |   |   |
| 12 |      |         |   |   |   |   |   |   |
| 13 |      |         |   |   |   |   |   |   |
| 14 |      |         |   |   |   |   |   |   |
| 15 |      |         |   |   |   |   |   |   |
| 16 |      |         |   |   |   |   |   |   |
| 17 |      |         |   |   |   |   |   |   |
| 18 |      |         |   |   |   |   |   |   |
| 19 |      |         |   |   |   |   |   |   |

Pivot table editor

Sheet1!1:1000

Suggested

Rows Add

Columns Add

Values Add

Filters Add

<https://docs.google.com/spreadsheets/d/1o1NVR58zkXtMoqTmXGll-awQ8WXlWvd0-qovwRjEYEDY/edit#gid=2059465233>



# 3. Export + Excel Skills

The image shows a screenshot of the Microsoft Excel interface. A Pivot table editor is open on the right side, showing the 'Created On' field. The editor includes options for 'Order' (Ascending), 'Sort by' (Created On), and a checked 'Show totals' option. The main spreadsheet area shows a Pivot table with a date field 'Created On'. A context menu is open over the date '2/16/2018', listing various date grouping options. A red arrow points to the date '2/16/2018' in the Pivot table. Another red arrow points to the 'Create pivot date group' option in the context menu. A third red arrow points to the 'Month' option in the date grouping list.

**Pivot table editor**

Sheet1!1:1000

**Suggested**

**Rows** Add

**Created On**

Order: Ascending Sort by: Created On

Show totals

**Columns** Add

**Values** Add

**Filters** Add

**Context Menu:**

- Second
- Minute
- Hour
- Hour-Minute (24 hour)
- Hour-Minute (12 hour)
- Day of the week
- Day of the year
- Day of the month
- Day-Month
- Month**
- Quarter
- Year
- Year-Month
- Year-Quarter

**Main Spreadsheet:**

| Created On |
|------------|
| 2/16/2018  |
| 3/13       |
| 9/12       |
| 10/18      |
| 11/20      |
| 11/27      |
| 12/4       |
| 12/7       |
| 2/5        |
| 3/19       |
| 3/29       |
| 5/2        |
| 5/8        |
| 5/16       |
| 5/17       |
| 5/31       |
| 6/19       |
| 6/26       |
| 7/11       |
| 7/16/2018  |

# 3. Export + Excel Skills

The screenshot displays a Google Sheets interface with a pivot table. The spreadsheet has columns A through H and rows 1 through 9. The pivot table is set up with 'Created On - Month' as the row label. The data is sorted in ascending order, and the 'Show totals' option is checked. The 'Grand Total' row is highlighted in blue.

|   | A                  | B | C | D | E | F | G | H |
|---|--------------------|---|---|---|---|---|---|---|
| 1 | Created On - Month |   |   |   |   |   |   |   |
| 2 | Jan                |   |   |   |   |   |   |   |
| 3 | Feb                |   |   |   |   |   |   |   |
| 4 | Mar                |   |   |   |   |   |   |   |
| 5 | Apr                |   |   |   |   |   |   |   |
| 6 | May                |   |   |   |   |   |   |   |
| 7 | Jun                |   |   |   |   |   |   |   |
| 8 | Jul                |   |   |   |   |   |   |   |
| 9 | Aug                |   |   |   |   |   |   |   |
| 0 | Sep                |   |   |   |   |   |   |   |
| 1 | Oct                |   |   |   |   |   |   |   |
| 2 | Nov                |   |   |   |   |   |   |   |
| 3 | Dec                |   |   |   |   |   |   |   |
| 4 |                    |   |   |   |   |   |   |   |
| 5 | Grand Total        |   |   |   |   |   |   |   |
| 6 |                    |   |   |   |   |   |   |   |
| 7 |                    |   |   |   |   |   |   |   |
| 8 |                    |   |   |   |   |   |   |   |
| 9 |                    |   |   |   |   |   |   |   |

**Pivot table editor**

Sheet1!1:1000

**Suggested**

**Rows**

Created On - Month

Order: Ascending

Sort by: Created On - ...

Show totals

**Columns**

**Values**

**Filters**

# 3. Export + Excel Skills

The screenshot displays a Google Sheets interface with a pivot table. The spreadsheet has columns A through H and rows 1 through 20. Row 1 is the header for the pivot table, and row 15 is the grand total row. The pivot table editor on the right shows the following configuration:

- Source: Sheet1!1:1000
- Rows: Created On - Month (with an 'Add' button next to it, highlighted by a red arrow)
- Order: Ascending
- Sort by: Created On - ...
- Show totals:
- Columns: Add
- Values: Add
- Filters: Add

The list of available fields on the right includes: PRC, Part, Prcpart, Receipt, Primary B, Bin Qty, UOM, Bin Cost, Bin Cost, Bin Ext Va, Bin Ext Va, and Pick Qty.

21 Explain and Send Screenshots  
20 <https://docs.google.com/spreadsheets/d/1oNYP56zkXtMoqTmXGII-awQ8WxIWvd0-qovwRjEYED/edit#gid=2059465233>

# 3. Export + Excel Skills

The screenshot displays an Excel spreadsheet with a pivot table and a task pane. The pivot table is titled "Created On - Month" and has columns A through H. The rows are labeled with months from Jan to Dec, and a "Grand Total" row is at the bottom. The task pane on the right shows the pivot table settings for "Created On - Month". The "Order" is set to "Ascending" and "Show totals" is checked. The "Rows" section lists "Bin Ext Value" (circled in red), and the "Columns" section lists "Bin Ext Value" (circled in red). A red arrow points from the "Rows" section to the circled "Bin Ext Value" in the "Columns" section.

| Created On - Month | A | B | C | D | E | F | G | H |
|--------------------|---|---|---|---|---|---|---|---|
| Jan                |   |   |   |   |   |   |   |   |
| Feb                |   |   |   |   |   |   |   |   |
| Mar                |   |   |   |   |   |   |   |   |
| Apr                |   |   |   |   |   |   |   |   |
| May                |   |   |   |   |   |   |   |   |
| Jun                |   |   |   |   |   |   |   |   |
| Jul                |   |   |   |   |   |   |   |   |
| Aug                |   |   |   |   |   |   |   |   |
| Sep                |   |   |   |   |   |   |   |   |
| Oct                |   |   |   |   |   |   |   |   |
| Nov                |   |   |   |   |   |   |   |   |
| Dec                |   |   |   |   |   |   |   |   |
| <b>Grand Total</b> |   |   |   |   |   |   |   |   |

Task Pane Settings:

- Order: Ascending
- Sort by: Created On
- Show totals:
- Rows: Bin Ext Value
- Columns: Bin Ext Value

# 3. Export + Excel Skills

The screenshot shows a Google Sheets interface with a pivot table and its editor. The pivot table is set to show 'Bin Ext Value' by month. The 'Jan Total' row is highlighted, and a red arrow points to it. Another red arrow points to the 'Bin Ext Value' header. A red question mark is placed above the 'Jan Total' row. The pivot table editor on the right shows settings for 'Bin Ext Value'.

| Created On - Month | Bin Ext Value |
|--------------------|---------------|
| Jan                | 15.00         |
|                    | 120.00        |
|                    | 160.00        |
|                    | 600.00        |
|                    | 719.40        |
| Jan Total          |               |
| Feb                | 0.00          |
|                    | 2.50          |
|                    | 2.92          |
|                    | 22.50         |
|                    | 40.00         |
|                    | 50.00         |
|                    | 171.00        |
|                    | 180.00        |
|                    | 4488.52       |
|                    | 195000.00     |
|                    | 234000.00     |
| Feb Total          |               |
| Mar                | 0.00          |
|                    | 4.25          |

**Pivot table editor**

Order: Ascending, Sort by: Created On - ...

Show totals

Repeat row labels

**Bin Ext Value**

Order: Ascending, Sort by: Bin Ext Value

Show totals

Columns: Add

Values: Add

Filters: Add

# 3. Export + Excel Skills

The screenshot shows an Excel spreadsheet with a pivot table. The pivot table is set to show 'Bin Ext Value' by month. The data is as follows:

| Created On - Month | Bin Ext Value |
|--------------------|---------------|
| Jan                | 15.00         |
|                    | 120.00        |
|                    | 160.00        |
|                    | 600.00        |
|                    | 719.40        |
| Jan Total          |               |
| Feb                | 0.00          |
|                    | 2.50          |
|                    | 2.92          |
|                    | 22.50         |
|                    | 40.00         |
|                    | 50.00         |
|                    | 171.00        |
|                    | 180.00        |
|                    | 4488.52       |
|                    | 195000.00     |
|                    | 234000.00     |
| Feb Total          |               |
| Mar                | 0.00          |
|                    | 4.25          |

The PivotTable Editor on the right shows the following settings:

- Order: Ascending
- Sort by: Created On - ...
- Show totals:
- Repeat row labels:
- Bin Ext Value: Order Ascending, Sort by Bin Ext Value
- Show totals:

Red arrows point from the 'Jan Total' cell in the pivot table to the 'Columns' and 'Values' sections of the editor, indicating the source of the data for those sections.

# 3. Export + Excel Skills

The screenshot displays a Google Sheets interface with a pivot table and the Pivot table editor. The pivot table is set to show 'Created On - Month' on the rows and 'Bin Ext Value' on the columns. The data is grouped by month (Jan, Feb, Mar) and includes a 'Jan Total' row. The Pivot table editor on the right shows the 'Bin Ext Value' field selected in the 'Values' section, with a red arrow pointing to it. The 'Columns' section is empty, and the 'Filters' section is also empty. The 'Order' and 'Sort by' options are set to 'Ascending' and 'Created On' respectively.

| Created On - Month | Bin Ext Value |
|--------------------|---------------|
| Jan                | 15.00         |
|                    | 120.00        |
|                    | 160.00        |
|                    | 600.00        |
|                    | 719.40        |
| Jan Total          |               |
| Feb                | 0.00          |
|                    | 2.50          |
|                    | 2.92          |
|                    | 22.50         |
|                    | 40.00         |
|                    | 50.00         |
|                    | 171.00        |
|                    | 180.00        |
|                    | 4488.52       |
|                    | 195000.00     |
|                    | 234000.00     |
| Feb Total          |               |
| Mar                | 0.00          |
|                    | 4.25          |

**Pivot table editor**

Order: Ascending | Sort by: Created On

Show totals

Repeat row labels

**Bin Ext Value**

Order: Ascending | Sort by: Bin Ext Value

Show totals

**Columns**

**Values** → Bin Ext Value

**Filters**

Calculated Field

- PRC
- Part
- Prupart
- Receipt
- Primary Bin
- Bin Qty
- UOM
- Bin Cost
- Bin Cost
- Bin Ext Value
- Bin Ext Value
- Pick Qty
- Shelf Qty
- Created On
- Column O

# 3. Export + Excel Skills

The screenshot displays a Google Sheets interface with a PivotTable and its configuration panel. The PivotTable summarizes 'Bin Ext Value' by month. The 'Jan Total' cell is highlighted with a blue border and a red arrow pointing to the 'Bin Ext Value' configuration in the editor.

| Created On - Month | Bin Ext Value | SUM of Bin Ext Value |
|--------------------|---------------|----------------------|
| Jan                | 15.00         | 15                   |
|                    | 120.00        | 120                  |
|                    | 160.00        | 160                  |
|                    | 600.00        | 600                  |
|                    | 719.40        | 719.4                |
| <b>Jan Total</b>   |               | <b>1614.4</b>        |
| Feb                | 0.00          | 0                    |
|                    | 2.50          | 2.5                  |
|                    | 2.92          | 2.9176               |
|                    | 22.50         | 22.5                 |
|                    | 40.00         | 40                   |
|                    | 50.00         | 100                  |
|                    | 171.00        | 171                  |
|                    | 180.00        | 180                  |
|                    | 4488.52       | 4488.5192            |
|                    | 195000.00     | 390000               |
|                    | 234000.00     | 234000               |
| <b>Feb Total</b>   |               | <b>629007.4368</b>   |
| Mar                | 0.00          | 0                    |
|                    | 4.25          | 4.2548               |

**Pivot table editor**

- Show totals
- Repeat row labels

**Bin Ext Value**

Order: Ascending | Sort by: Bin Ext Value

Show totals

**Columns** Add

**Values** Add

**Bin Ext Value**

Summarize by: SUM | Show as: Default

**Filters** Add



# 3. Export + Excel Skills

The screenshot shows a Google Sheets interface with a pivot table. The toolbar at the top features a currency symbol (\$) circled in red. The pivot table is titled 'Created On - Month' and displays data for January and February. The columns are 'Created On - Month', 'Bin Ext Value', and 'SUM of Bin Ext Value'. The data is summarized by month, with totals for each month.

| Created On - Month | Bin Ext Value | SUM of Bin Ext Value |
|--------------------|---------------|----------------------|
| Jan                | 15.00         | 15                   |
|                    | 120.00        | 120                  |
|                    | 160.00        | 160                  |
|                    | 600.00        | 600                  |
|                    | 719.40        | 719.4                |
| Jan Total          |               | 1614.4               |
| Feb                | 0.00          | 0                    |
|                    | 2.50          | 2.5                  |
|                    | 2.92          | 2.9176               |
|                    | 22.50         | 22.5                 |
|                    | 40.00         | 40                   |
|                    | 50.00         | 100                  |
|                    | 171.00        | 171                  |
|                    | 180.00        | 180                  |
|                    | 4488.52       | 4488.5192            |
|                    | 195000.00     | 390000               |
|                    | 234000.00     | 234000               |
| Feb Total          |               | 629007.4368          |
| Mar                | 0.00          | 0                    |
|                    | 4.25          | 4.2548               |

# 3. Export + Excel Skills

| Created On - Month | Bin Ext Value | SUM of Bin Ext Value |  |  |  |  |
|--------------------|---------------|----------------------|--|--|--|--|
| Jan                | \$15.00       | \$15.00              |  |  |  |  |
|                    | \$120.00      | \$120.00             |  |  |  |  |
|                    | \$160.00      | \$160.00             |  |  |  |  |
|                    | \$600.00      | \$600.00             |  |  |  |  |
|                    | \$719.40      | \$719.40             |  |  |  |  |
| Jan Total          |               | \$1,614.40           |  |  |  |  |
| Feb                | \$0.00        | \$0.00               |  |  |  |  |
|                    | \$2.50        | \$2.50               |  |  |  |  |
|                    | \$2.92        | \$2.92               |  |  |  |  |
|                    | \$22.50       | \$22.50              |  |  |  |  |
|                    | \$40.00       | \$40.00              |  |  |  |  |
|                    | \$50.00       | \$100.00             |  |  |  |  |
|                    | \$171.00      | \$171.00             |  |  |  |  |
|                    | \$180.00      | \$180.00             |  |  |  |  |
|                    | \$4,488.52    | \$4,488.52           |  |  |  |  |
|                    | \$195,000.00  | \$390,000.00         |  |  |  |  |
|                    | \$234,000.00  | \$234,000.00         |  |  |  |  |
| Feb Total          |               | \$629,007.44         |  |  |  |  |
| Mar                | \$0.00        | \$0.00               |  |  |  |  |
|                    | \$4.25        | \$4.25               |  |  |  |  |
|                    | \$1.00        | \$1.00               |  |  |  |  |

# 3. Export + Excel Skills

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Created On - Month

| Created On - Month | Bin Ext Value | SUM of Bin Ext Value |
|--------------------|---------------|----------------------|
| Jan                | \$15.00       | \$15.00              |
|                    | \$120.00      | \$120.00             |
|                    | \$160.00      | \$160.00             |
|                    | \$600.00      | \$600.00             |
|                    | \$719.40      | \$719.40             |
| <b>Jan Total</b>   |               | <b>\$1,614.40</b>    |
| Feb                | \$0.00        | \$0.00               |
|                    | \$2.50        | \$2.50               |
|                    | \$2.92        | \$2.92               |
|                    | \$22.50       | \$22.50              |
|                    | \$40.00       | \$40.00              |
|                    | \$50.00       | \$100.00             |
|                    | \$171.00      | \$171.00             |
|                    | \$180.00      | \$180.00             |
|                    | \$4,488.52    | \$4,488.52           |
|                    | \$195,000.00  | \$390,000.00         |
|                    | \$234,000.00  | \$234,000.00         |
| <b>Feb Total</b>   |               | <b>\$629,007.44</b>  |
| Mar                | \$0.00        | \$0.00               |
|                    | \$4.25        | \$4.25               |

<https://docs.google.com/spreadsheets/d/1oNVR58X...>

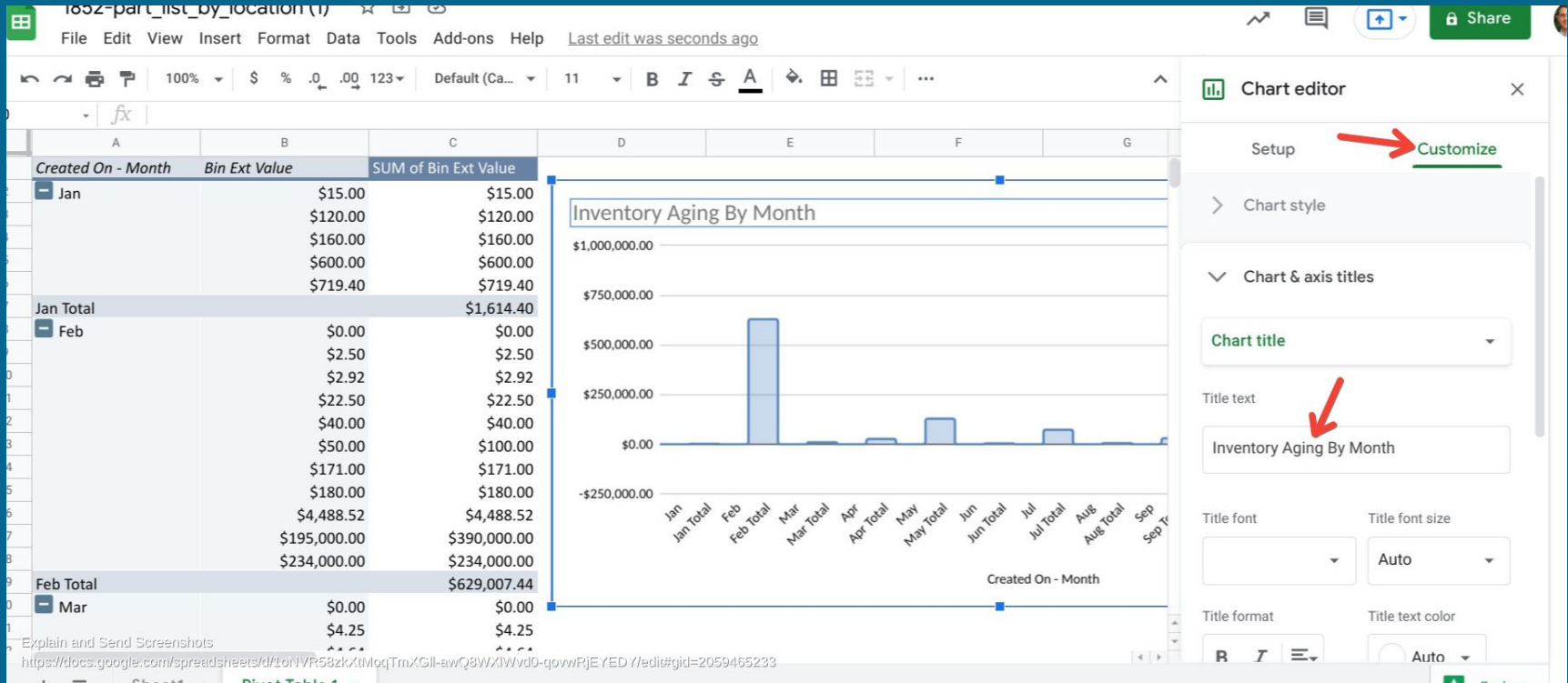
# 3. Export + Excel Skills

The screenshot shows an Excel spreadsheet with a chart titled "Bin Ext Value and SUM of Bin Ext Value". The chart displays two data series: "Bin Ext Value" (blue bars) and "SUM of Bin Ext Value" (red bars). The Y-axis ranges from -\$250,000.00 to \$1,000,000.00. The X-axis is labeled "Created On - Month" and includes categories like "Jan", "Jun Total", "Oct", and "Grand Total".

The Chart editor pane is open on the right, showing the "Setup" tab. The "Chart type" is set to "Column chart". The "Stacking" is set to "None". The "Data range" is "A1:C306". The "X-axis" is "Created On - Month". The "Aggregate" checkbox is unchecked.

| Created On - Month | Bin Ext Value | SUM of Bin Ext Value |
|--------------------|---------------|----------------------|
| Jan                | \$0.00        | \$4.25               |
| Jun Total          | \$0.00        | \$4.25               |
| Oct                |               |                      |
| Grand Total        |               |                      |

# 3. Export + Excel Skills

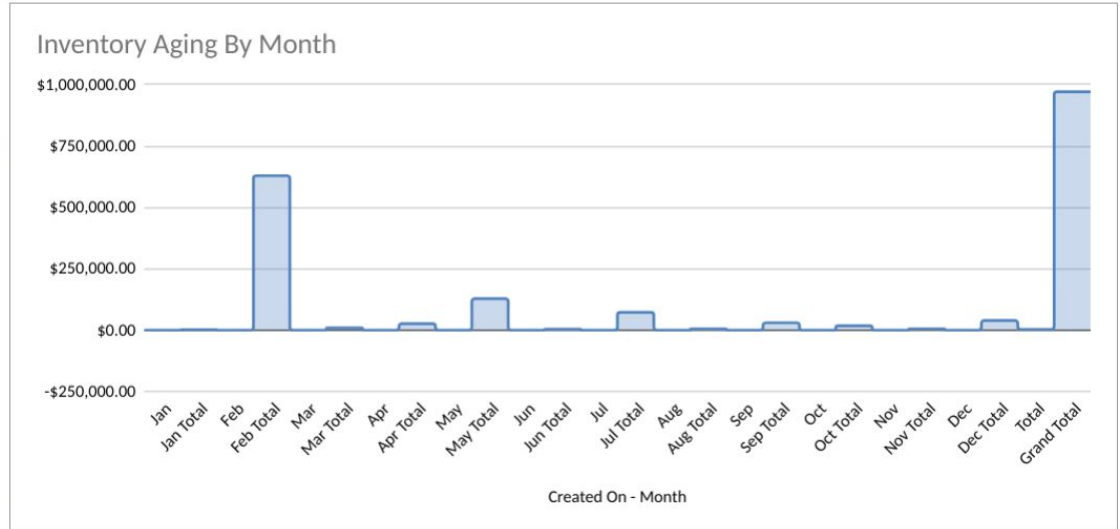


Explain and Send Screenshots

[https://docs.google.com/spreadsheets/d/1oNVR58zkXtMqTmXGll-awQ3WjWvrd0-qowwRjE\\_YED\\_Y/edit#gid=2059465233](https://docs.google.com/spreadsheets/d/1oNVR58zkXtMqTmXGll-awQ3WjWvrd0-qowwRjE_YED_Y/edit#gid=2059465233)

# 3. Export + Excel Skills

| Created On - Month | Bin Ext Value    | SUM of Bin Ext Value |                     |
|--------------------|------------------|----------------------|---------------------|
| Jan                | \$15.00          | \$15.00              |                     |
|                    | \$120.00         | \$120.00             |                     |
|                    | \$160.00         | \$160.00             |                     |
|                    | \$600.00         | \$600.00             |                     |
|                    | \$719.40         | \$719.40             |                     |
| <b>Jan Total</b>   |                  | <b>\$1,614.40</b>    |                     |
| Feb                | \$0.00           | \$0.00               |                     |
|                    | \$2.50           | \$2.50               |                     |
|                    | \$2.92           | \$2.92               |                     |
|                    | \$22.50          | \$22.50              |                     |
|                    | \$40.00          | \$40.00              |                     |
|                    | \$50.00          | \$100.00             |                     |
|                    | \$171.00         | \$171.00             |                     |
|                    | \$180.00         | \$180.00             |                     |
|                    | \$4,488.52       | \$4,488.52           |                     |
|                    | \$195,000.00     | \$390,000.00         |                     |
|                    | \$234,000.00     | \$234,000.00         |                     |
|                    | <b>Feb Total</b> |                      | <b>\$629,007.44</b> |
|                    | Mar              | \$0.00               | \$0.00              |
| \$4.25             |                  | \$4.25               |                     |



# Four Ways To Report On Data

- ~~1. Canned reports/dashboards in Cetec ERP~~
- ~~2. Cetec ERP BI Customization~~
- ~~3. Export + Excel Skills~~
4. Excel Web Feeds From Cetec API

# 4. Excel Web Feeds From Cetec API

demo.cetecerp.com/otd/order/list?reloaded=1&debug=&ordernum=&prcpart=&revision=&custnum=&custname=&cu...

Text Edit Cetec ERP help.cetecerp.com license-free images new drawing Sales - Customer Customer BECKMA... Secure Shell 0.41

Parts Call Out

Less Options Submit

<< Previous | 1 2 3 4 5 | Next >> View All

Displaying 1 - 40 of 182 Export +/- Columns

| Loc | Warehouse | Order | Qty | QOH | Prcpart    | Customer            | Work Start Date | Ship Date  | Est. Labor | Act. Labor | Incomplete Labor | Ext. Resale | Work Loc                 |
|-----|-----------|-------|-----|-----|------------|---------------------|-----------------|------------|------------|------------|------------------|-------------|--------------------------|
| MN  | MN        | 502.1 | 10  | 0   | BOM99-1000 | Internal Account    | 2021-10-20      | 2021-10-20 | 720.33     | 0.35       | 719.98           | \$764.50    | Mill                     |
| MN  | MN        | 502.2 | 10  | 0   | SUB19284   | Internal Account    | 2021-10-20      | 2021-10-20 | 0.00       | 0.00       | 0.00             | \$20.00     | Doc Control (Unreleased) |
| MN  | MN        | 530.1 | 5   | 3   | BOM1000    | Vance Refrigeration | 2021-10-20      | 2021-10-20 | 395.00     | 0.00       | 395.00           | \$8,144.95  | Doc Control (Unreleased) |
| MN  | MN        | 530.1 | 7   | 3   | BOM1000    | Vance Refrigeration | 2021-10-15      | 2021-10-18 | 525.00     | 0.00       | 525.00           | \$11,402.93 | Doc Control (Unreleased) |
| MN  | MN        | 534.1 | 5   | 3   | BOM1000    | Vance Refrigeration | 2021-10-15      | 2021-10-15 | 3395.00    | 0.00       | 3395.00          | \$1,859.79  | Doc Control (Unreleased) |

Help



# 4. Excel Web Feeds From Cetec API

**CETEC ERP** SALES PARTS PURCHASING WAREHOUSE ACCOUNTING PRODUCTION ADMIN

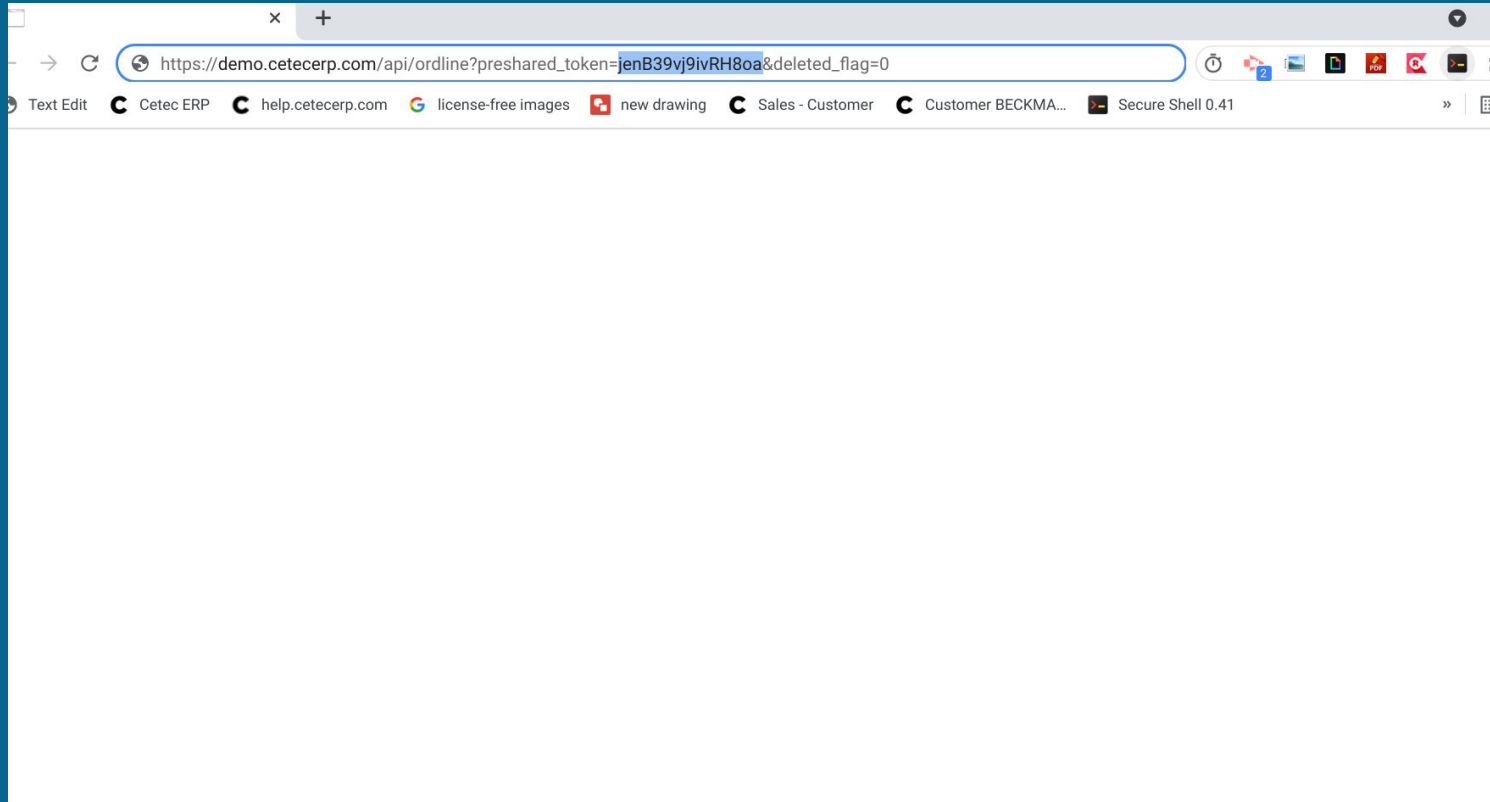
USERS ▾ CONFIG SETTINGS ▾ MAINTENANCE ▾ LOGS ▾ DOCS ▾ APIS & MORE ▾ DASHBOARDS ▾ CETEC ERP ▾

## Config Settings

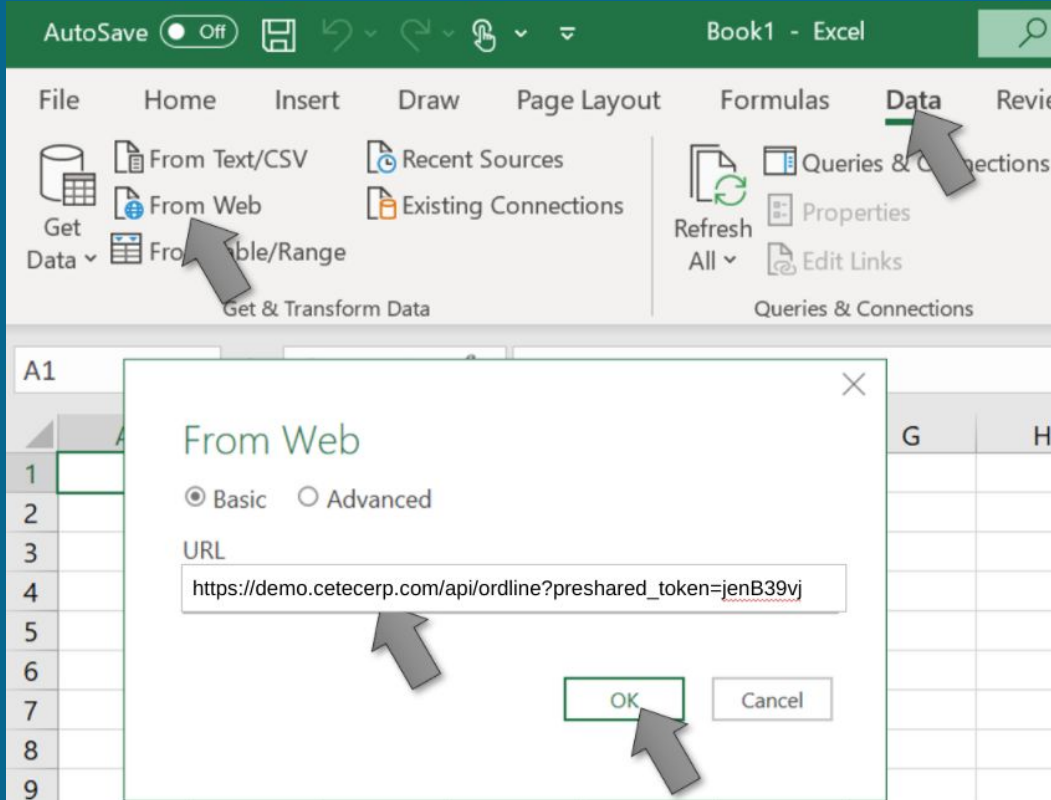
Name  Description  Category

| Name  | Category       | Description   | Value  | Updated By | Updated On  |
|---|----------------|---|--|------------|---|
| JSON API Token<br><small>Explain and Send Screenshots<br/><a href="https://demo.cetecerp.com/config/list">https://demo.cetecerp.com/config/list</a></small> | Authentication | Preshared Token to pass for any JSON API calls (as param preshared_token) | <input type="text" value="jenB39vj9ivRH8oa"/> <input type="button" value="Set"/> |            | 2018-12-14 04:46:17 PM <input type="button" value="✕"/> |

# 4. Excel Web Feeds From Cetec API



# 4. Excel Web Feeds From Cetec API



Click Data > From Web then enter the API Url from above and click OK.

# 4. Excel Web Feeds From Cetec API

The screenshot shows the Microsoft Excel interface with the 'List Tools' ribbon selected. The 'Convert' group contains the 'To Table' button, which is highlighted with a grey arrow. The 'Manage Items' group includes 'Keep Items', 'Remove Items', 'Remove Duplicates', and 'Reverse Items'. The 'Sort' group includes 'Sort' and 'Numeric List'. The 'Numeric List' group includes 'Statistics'. The formula bar shows the formula `=Json.Document(Web.Contents("https://demo.cetecerp...))`. The 'Queries' pane on the left shows a table with 10 rows, each labeled 'Record'. A 'To Table' dialog box is open, prompting the user to 'Create a table from a list of values'. The dialog box has two dropdown menus: 'Select or enter delimiter' set to 'None' and 'How to handle extra columns' set to 'Show as errors'. The 'OK' button is highlighted with a grey arrow.

Click To Table and then OK.

# 4. Excel Web Feeds From Cetec API

The screenshot shows the Microsoft Excel ribbon with the 'Query' group selected. The ribbon includes tabs for 'File', 'Home', 'Transform', 'Add Column', and 'View'. The 'Query' group contains buttons for 'Close & Load', 'Refresh Preview', 'Manage', 'Choose Columns', 'Remove Columns', 'Keep Rows', and 'Remove Rows'. Below the ribbon, a query is displayed with the formula bar containing `Table.FromList(Source, Splitter.SplitByN`. A dialog box titled 'Search Columns to Expand' is open, showing a list of columns to expand: '(Select All Columns)', 'labor\_rate', 'deleted\_flag', and 'resale\_currency\_id'. The 'OK' button is highlighted with a blue border and a grey arrow pointing to it. A warning icon and text 'List may be incomplete. more' are also visible in the dialog box.

| ABC | 123 | Column |
|-----|-----|--------|
| 1   |     | Record |
| 2   |     | Record |
| 3   |     | Record |
| 4   |     | Record |
| 5   |     | Record |
| 6   |     | Record |
| 7   |     | Record |
| 8   |     | Record |
| 9   |     | Record |
| 10  |     | Record |

Click the Expand button and then OK.

# 4. Excel Web Feeds From Cetec API

The screenshot shows the Microsoft Excel ribbon with the 'Close & Load' button highlighted by a grey arrow. The ribbon includes the following tabs and options:

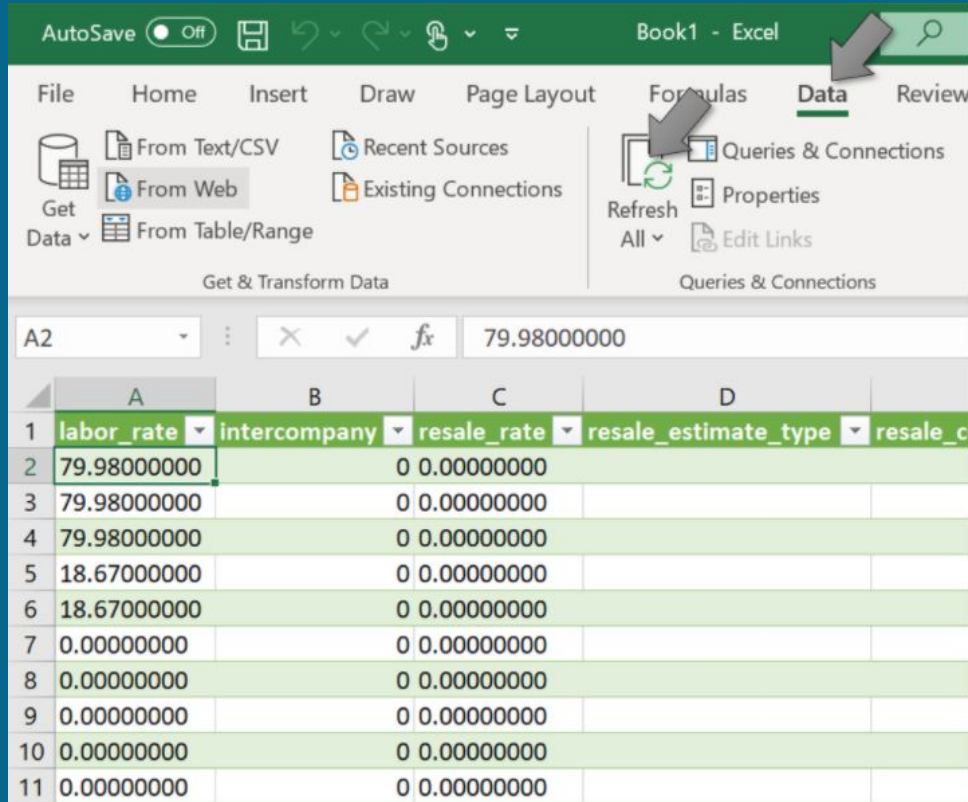
- File** (highlighted)
- Home**
- Transform**
- Add Column**
- View**

Below the ribbon, the 'Queries' task pane is visible, showing a table with the following data:

|   | labor_rate  | intercompany | resal      |
|---|-------------|--------------|------------|
| 1 | 79.98000000 |              | 0 0.000000 |
| 2 | 79.98000000 |              | 0 0.000000 |
| 3 | 79.98000000 |              | 0 0.000000 |
| 4 | 18.67000000 |              | 0 0.000000 |
| 5 | 18.67000000 |              | 0 0.000000 |
| 6 | 0.00000000  |              | 0 0.000000 |
| 7 | 0.00000000  |              | 0 0.000000 |
| 8 | 0.00000000  |              | 0 0.000000 |

Click Close & Load.

# 4. Excel Web Feeds From Cetec API



The screenshot shows the Microsoft Excel interface with the 'Data' tab selected. The 'Refresh All' button in the 'Queries & Connections' group is highlighted with a grey arrow. Below the ribbon, a table of data is visible with columns labeled labor\_rate, intercompany, resale\_rate, resale\_estimate\_type, and resale\_c.

|    | A           | B            | C           | D                    |
|----|-------------|--------------|-------------|----------------------|
| 1  | labor_rate  | intercompany | resale_rate | resale_estimate_type |
| 2  | 79.98000000 | 0            | 0.00000000  |                      |
| 3  | 79.98000000 | 0            | 0.00000000  |                      |
| 4  | 79.98000000 | 0            | 0.00000000  |                      |
| 5  | 18.67000000 | 0            | 0.00000000  |                      |
| 6  | 18.67000000 | 0            | 0.00000000  |                      |
| 7  | 0.00000000  | 0            | 0.00000000  |                      |
| 8  | 0.00000000  | 0            | 0.00000000  |                      |
| 9  | 0.00000000  | 0            | 0.00000000  |                      |
| 10 | 0.00000000  | 0            | 0.00000000  |                      |
| 11 | 0.00000000  | 0            | 0.00000000  |                      |

Now the query table connection is completely live.

Click Data > Refresh All at any time to update the Excel query table with live Cetec data.

# 4. Excel Web Feeds From Cetec API

The screenshot shows the Microsoft Excel interface with the 'Create PivotChart' dialog box open. The dialog box has the following settings:

- Choose the data that you want to analyze:**
  - Select a table or range
  - Table/Range: `ordline?presared_token=jenB39vj9ivRH8oa&de`
  - Use an external data source
  - Use this workbook's Data Model
- Choose where you want the PivotChart to be placed:**
  - New Worksheet
  - Existing Worksheet
  - Location: [Empty text box]
- Choose whether you want to analyze multiple tables:**
  - Add this data to the Data Model

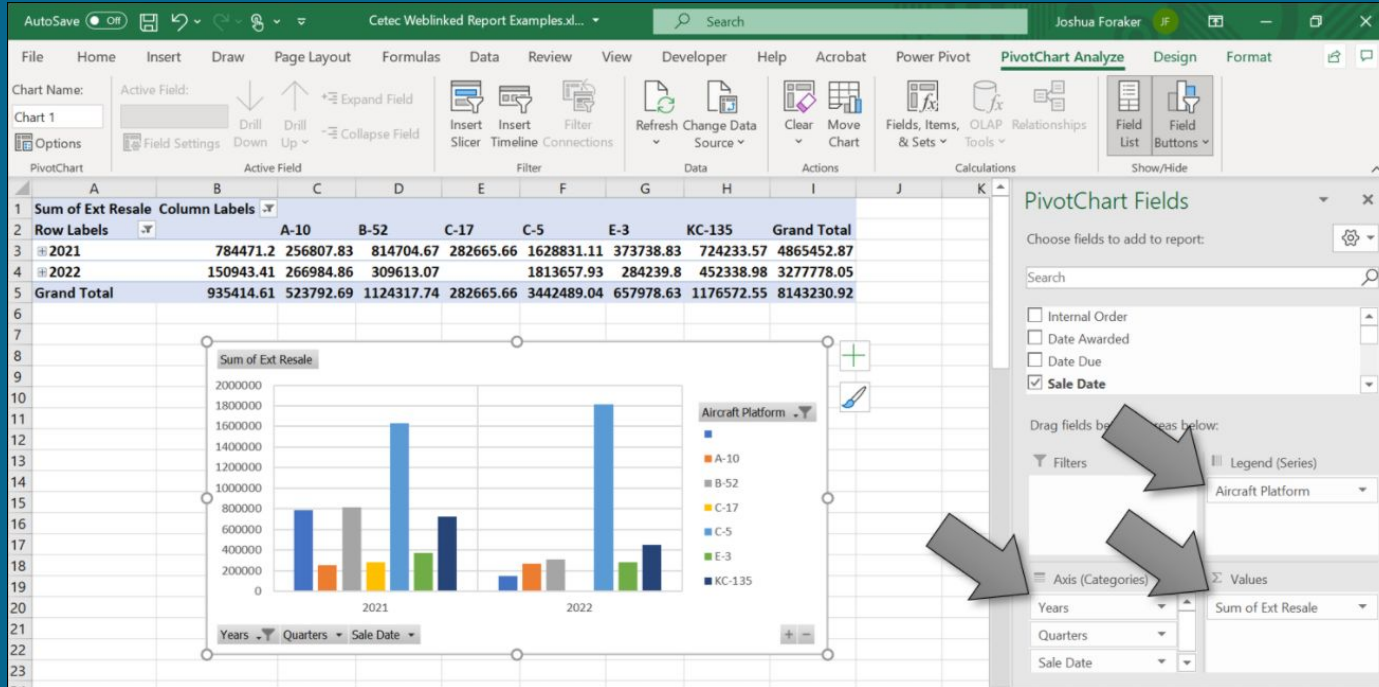
The 'OK' button is highlighted with a grey arrow. The background spreadsheet shows columns 'labor\_rate' and 'estlabor' with numerical data.

Make sure a cell is selected inside the Query Table created during the previous step.

Then click Insert > PivotChart and then click OK.

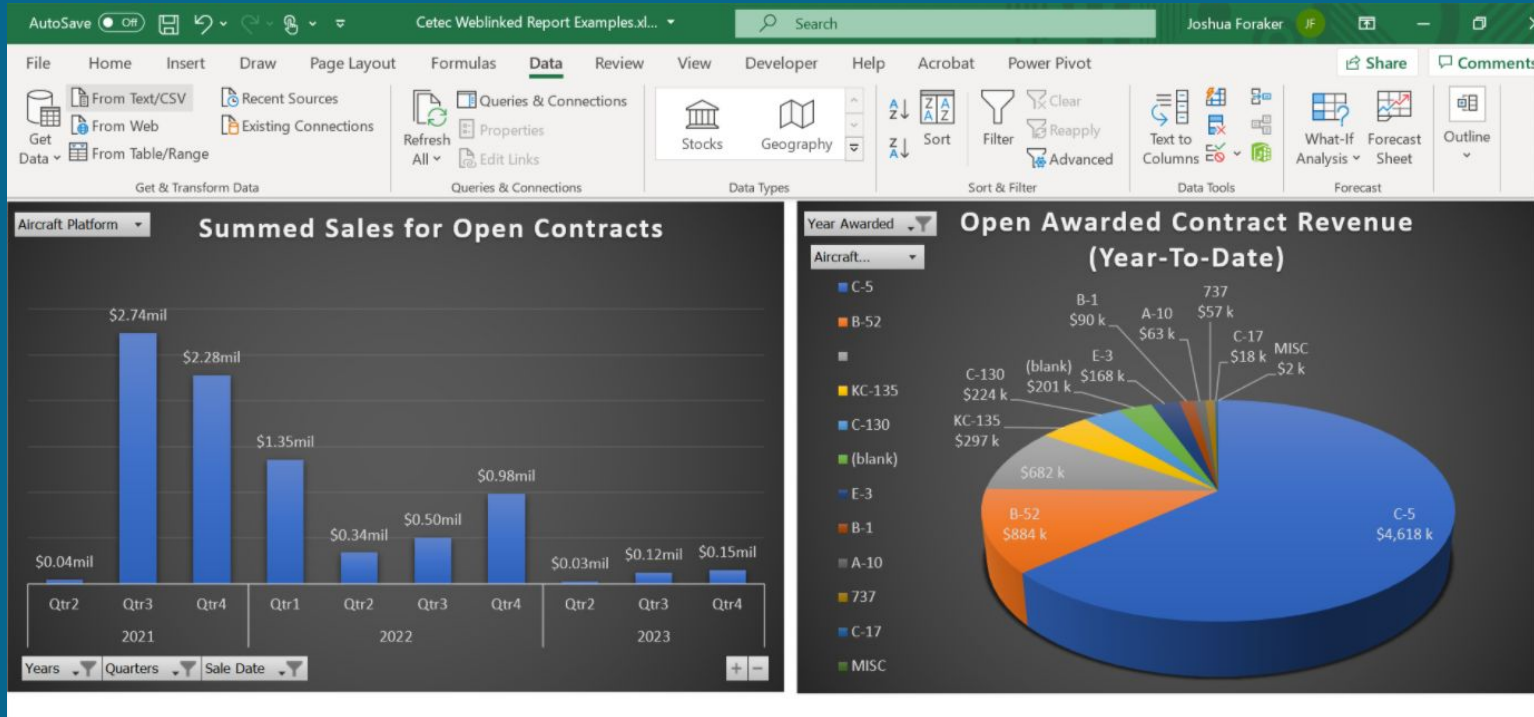


# 4. Excel Web Feeds From Cetec API



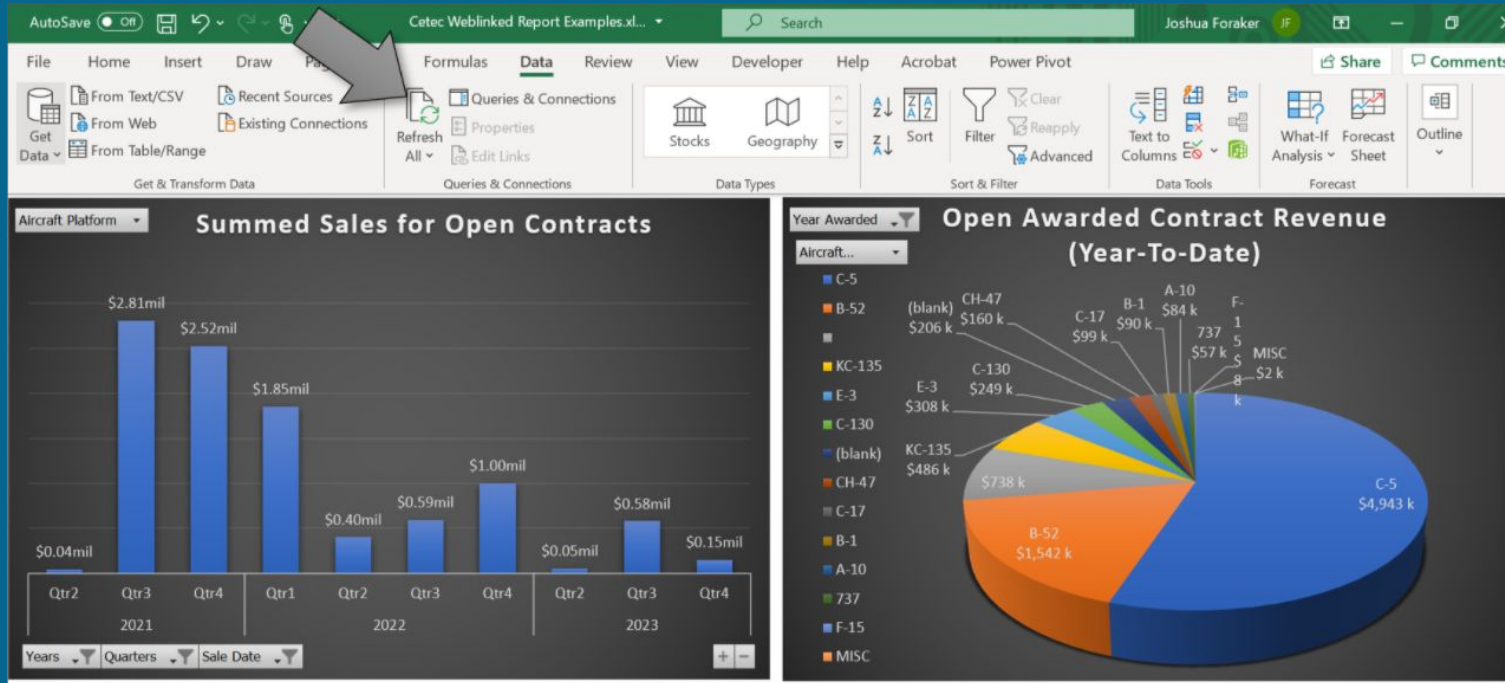
Here the pivot charts can be setup. (Google has guides on setting up Excel Pivot Tables.)

# 4. Excel Web Feeds From Cetec API



A finalized report with some nice formatting and setting up of executive level dashboards.

# 4. Excel Web Feeds From Cetec API



Dashboards can be refreshed manually with a click, or set to refresh when Excel is loaded.

## 4. Excel Web Feeds From Cetec API

The below video shows June data being updated and refreshed with data from July.

# 4. Excel Web Feeds From Cetec API

The screenshot shows the Microsoft Excel interface with the 'Data' ribbon selected. The 'Get & Transform Data' group is active, showing options like 'From Text/CSV', 'From Web', and 'From Table/Range'. The 'Queries & Connections' group is also visible, showing 'Refresh All' and 'Edit Links'. The spreadsheet displays a table with the following data:

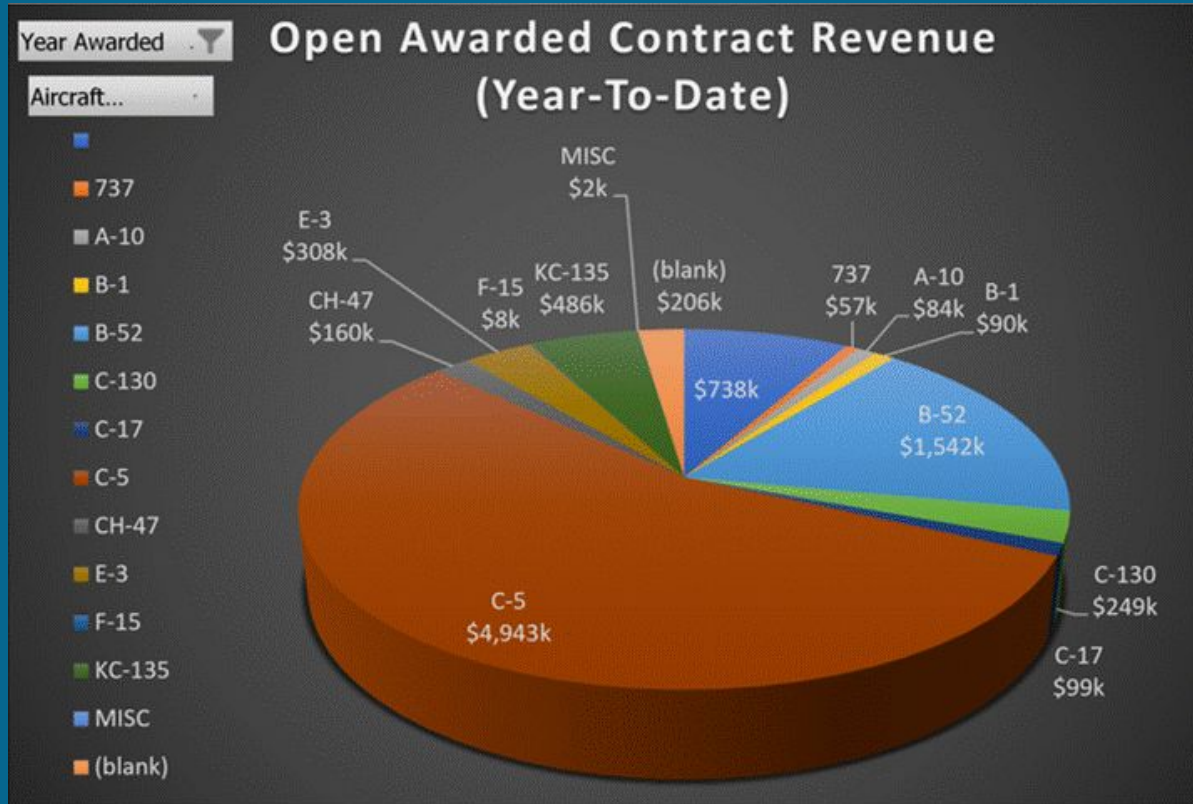
|     | A              | B            | C          | D          | E       | F           | G            | H                 | I         | J          | K           | L                    |            |
|-----|----------------|--------------|------------|------------|---------|-------------|--------------|-------------------|-----------|------------|-------------|----------------------|------------|
|     | Internal Order | Date Awarded | Date Due   | Sale Date  | Qty Due | Resale      | Ext Resale   | Aircraft Platform | Part Type | labor_rate | resale_rate | resale_estimate_type | resale_cos |
| 753 | FALSE          | 6/24/2021    | 1/7/2022   | 10/13/2021 | 1       | \$7,212.00  | \$7,212.00   | E-3               | Assembly  | 22.92      | 0           |                      |            |
| 754 | FALSE          | 6/24/2021    | 1/7/2022   | 10/13/2021 | 1       | \$7,212.00  | \$7,212.00   | E-3               | Assembly  | 22.92      | 0           |                      |            |
| 755 | FALSE          | 6/24/2021    | 1/7/2022   | 10/13/2021 | 1       | \$7,212.00  | \$7,212.00   | E-3               | Assembly  | 22.92      | 0           |                      |            |
| 756 | FALSE          | 6/24/2021    | 1/7/2022   | 10/20/2021 | 1       | \$7,212.00  | \$7,212.00   | E-3               | Assembly  | 22.92      | 0           |                      |            |
| 757 | FALSE          | 6/24/2021    | 1/7/2022   | 10/20/2021 | 1       | \$7,212.00  | \$7,212.00   | E-3               | Assembly  | 22.92      | 0           |                      |            |
| 758 | FALSE          | 6/24/2021    | 1/7/2022   | 10/20/2021 | 1       | \$7,212.00  | \$7,212.00   | E-3               | Assembly  | 22.92      | 0           |                      |            |
| 759 | FALSE          | 6/24/2021    | 1/7/2022   | 10/20/2021 | 1       | \$7,212.00  | \$7,212.00   | E-3               | Assembly  | 22.92      | 0           |                      |            |
| 760 | FALSE          | 6/28/2021    | 11/14/2022 | 8/26/2021  | 4       | \$5,838.12  | \$23,352.48  | B-52              | Assembly  | 22.92      | 0           |                      |            |
| 761 | FALSE          | 6/30/2021    | 1/25/2022  | 12/24/2021 | 3       | \$37,500.00 | \$112,500.00 | C-5               | Assembly  | 22.92      | 0           |                      |            |
| 762 | FALSE          | 6/30/2021    | 12/28/2021 | 11/28/2021 | 1       | \$1,500.00  | \$1,500.00   |                   |           | 0          | 0           | fixed_bid            |            |
| 763 | FALSE          | 6/30/2021    | 9/28/2021  | 8/27/2021  | 1       | \$0.00      | \$0.00       |                   |           | 0          | 0           | fixed_bid            |            |
| 764 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |
| 765 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |
| 766 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |
| 767 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |
| 768 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |
| 769 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |
| 770 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |
| 771 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |
| 772 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |
| 773 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |
| 774 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |
| 775 |                |              |            |            |         |             |              |                   |           |            |             |                      |            |

## 4. Excel Web Feeds From Cetec API

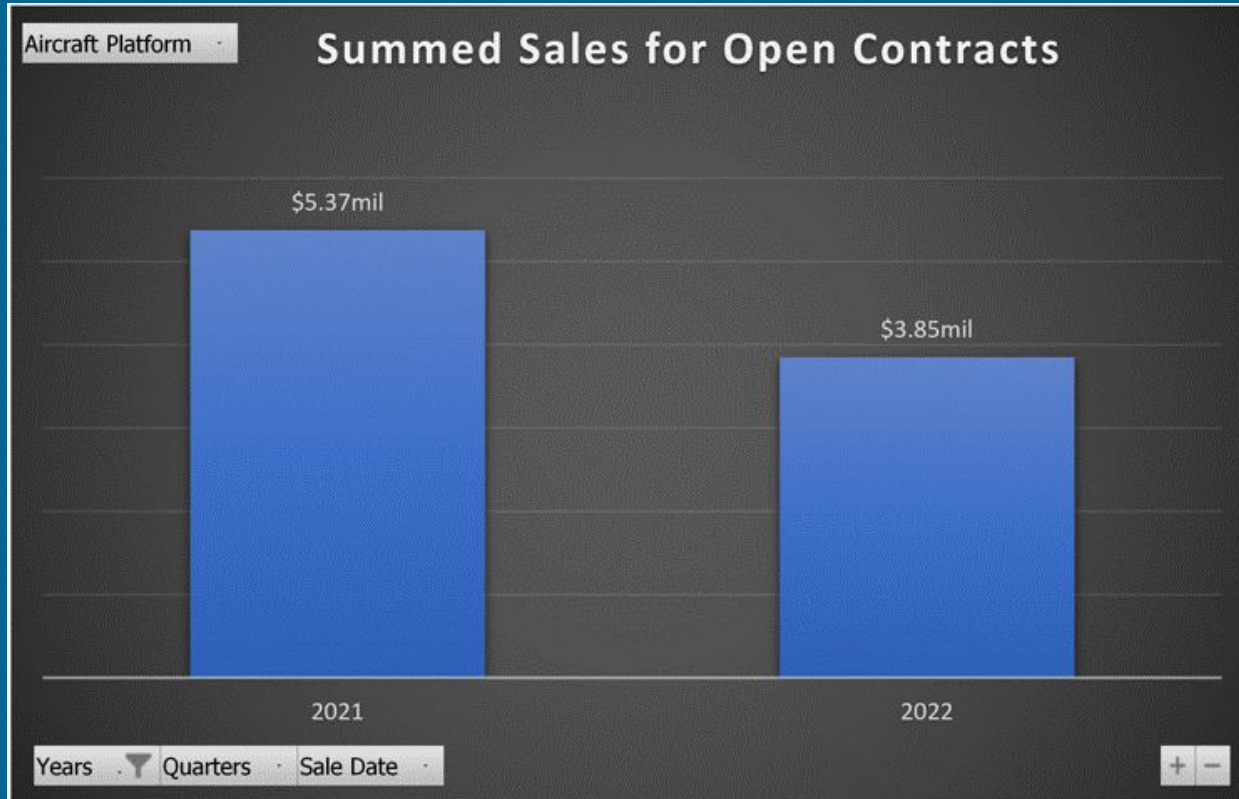
Use data field control buttons to glean trends from the reports.

The following two screen captures show how easy it is to drill down.

# 4. Excel Web Feeds From Cetec API



# 4. Excel Web Feeds From Cetec API





# CETEC ERP

## Day 2: Session #3 - Data/Reporting

*Jordan Jolly*