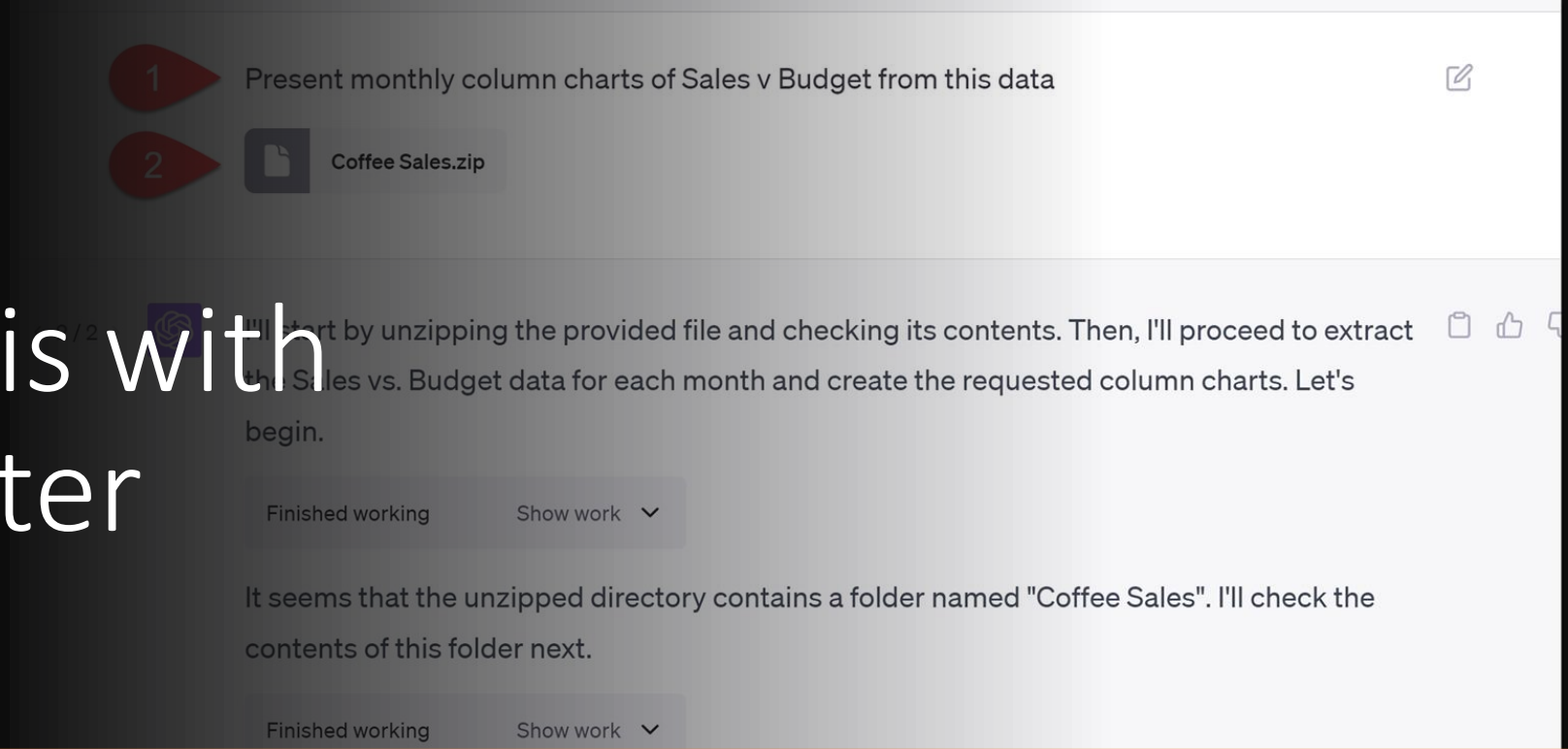


CODE INTERPRETER GPT4

IS IT COCKTAILS
ON THE BEACH
TIME?

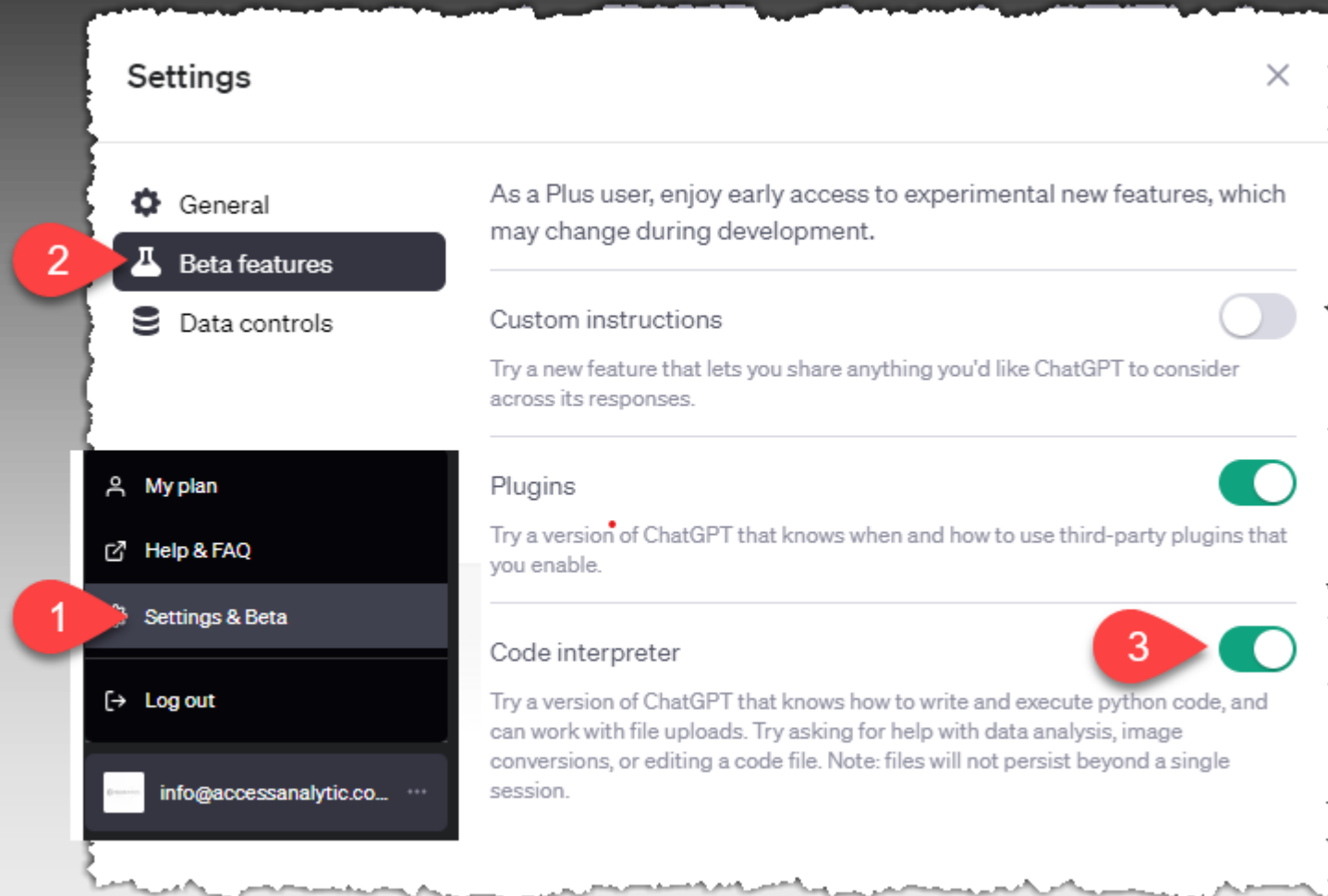


Instant Analysis with Code Interpreter and ChatGPT



- Take 8 Excel files
- Write 2 instructions (25 words in total)
- Done...Data Summarized and charts built

Go to OpenAI.com GPT -4, enable Code Interpreter



Write 1 sentence and upload folder of data (do not use sensitive data)

1

Present monthly column charts of Sales v Budget from this data



2



Coffee Sales.zip

Content of this folder is shown on the next slide

< 2 / 2 >



I'll start by unzipping the provided file and checking its contents. Then, I'll proceed to extract the Sales vs. Budget data for each month and create the requested column charts. Let's begin.



Finished working

Show work ▼

It seems that the unzipped directory contains a folder named "Coffee Sales". I'll check the contents of this folder next.

Finished working

Show work ▼

The "Coffee Sales" folder contains the following:




1 A subfolder named "Regional Budgets"



ACCESS ANALYTIC







Here's the content of the zipped folder

demos > Coffee Sales > Coffee Sales

Name
 Regional Budgets
 Coffee Sales Data.xlsx
 Lookup (Dimension) Tables.xlsx

	A	B	C	D	E	F
1	Order Date	Delivery Date	Customer Code	Product ID	Price	Quantity
2	43472	43479	C-101	P101	25	2
3	43475	43479	C-101	P105	14	1
4	43473	43479	C-101	P201	20	1
5	43468	43479	C-101	S101	15	1
6	43478	43479	C-101	P205	12	2
7	43468	43479	C-101	S205	15	1
8	43476	43479	C-101	S305	15	1
9	43478	43486	C-101	P101	25	2
10	43485	43486	C-101	P105	14	1

demos > Coffee Sales > Coffee Sales > Regional Budgets

Name	Date modified
 Adelaide Budget.xlsx	18/08/2021 7:29 A
 Brisbane Budget.xlsx	23/07/2021 9:49 A
 Darwin Budget.xlsx	23/07/2021 9:49 A
 Melbourne Budget.xlsx	23/07/2021 9:50 A
 Perth Budget.xlsx	23/07/2021 9:51 A
 Sydney Budget.xlsx	23/07/2021 9:52 A

	A	B	C	T	U	V
1	Customer City	Customer Name	Customer Code	202005	202006	202007
2	Adelaide	Sandbar	C-567	430	430	39
3	Adelaide	The Small Z Store	C-179			19
4	Adelaide	Woods	C-493	560	570	16
5	Total			990	1000	74
6						



Then Code Interpreter does it's thing..

The "Coffee Sales Data.xlsx" contains the following columns:

1. **Order Date:** Appears to be in Excel's date format (an integer representation of dates).
2. **Delivery Date:** Similarly appears in Excel's date format.
3. **Customer Code:** Identifies the customer.
4. **Product ID:** Identifies the product.
5. **Price:** Price of the product.
6. **Quantity:** Number of products sold.

To calculate monthly sales, we need to multiply the **Price** by **Quantity** for each row and then group by month. Before doing that, we should convert the "Order Date" from its Excel format to a recognizable date format.

However, we also need the monthly budget data for comparison. I'll check the contents of the "Regional Budgets" subfolder to see if it contains the necessary budget data.

Finished working

Show work ▼

The "Regional Budgets" subfolder contains budget Excel files for six regions:

1. Adelaide
2. Melbourne
3. Perth
4. Brisbane

The "Adelaide Budget.xlsx" file has the following structure:

Customer City: The city associated with the budget.

Customer Name: Name of the customer.

Customer Code: Code identifying the customer.

Columns for each month from January 2019 (201901) to December 2021 (202112):

Representing the budgeted amount for that month.

The last row in the displayed data appears to be a "Total" row, which sums up the budgeted amounts for all customers for each month.

To compare Sales vs. Budget on a monthly basis:

We'll first compute the monthly sales from the sales data.

Then, we'll extract monthly budget data for each region.

Finally, we'll create the column charts comparing Sales vs. Budget for each month.

Let's begin by computing the monthly sales from the sales data.

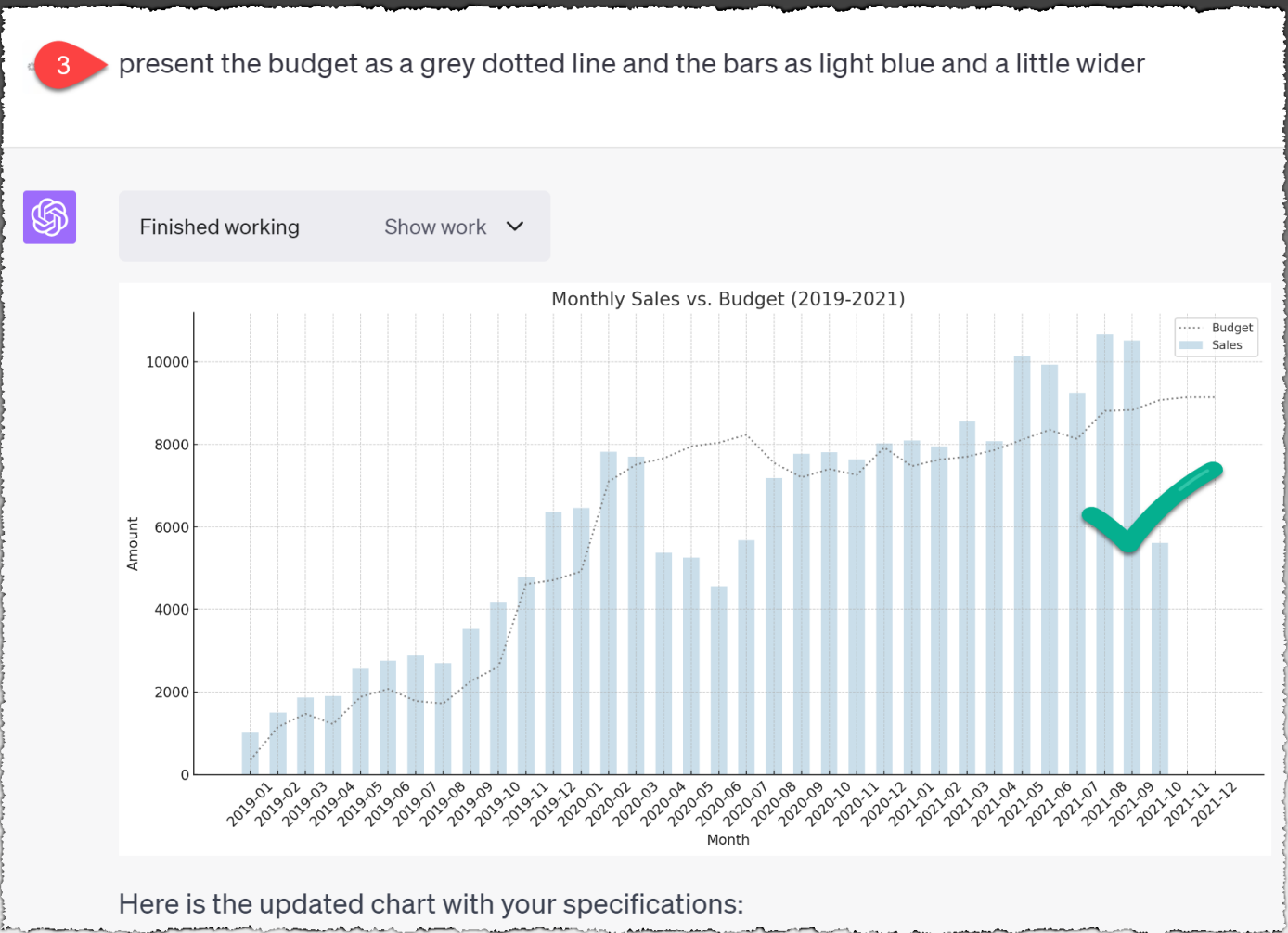
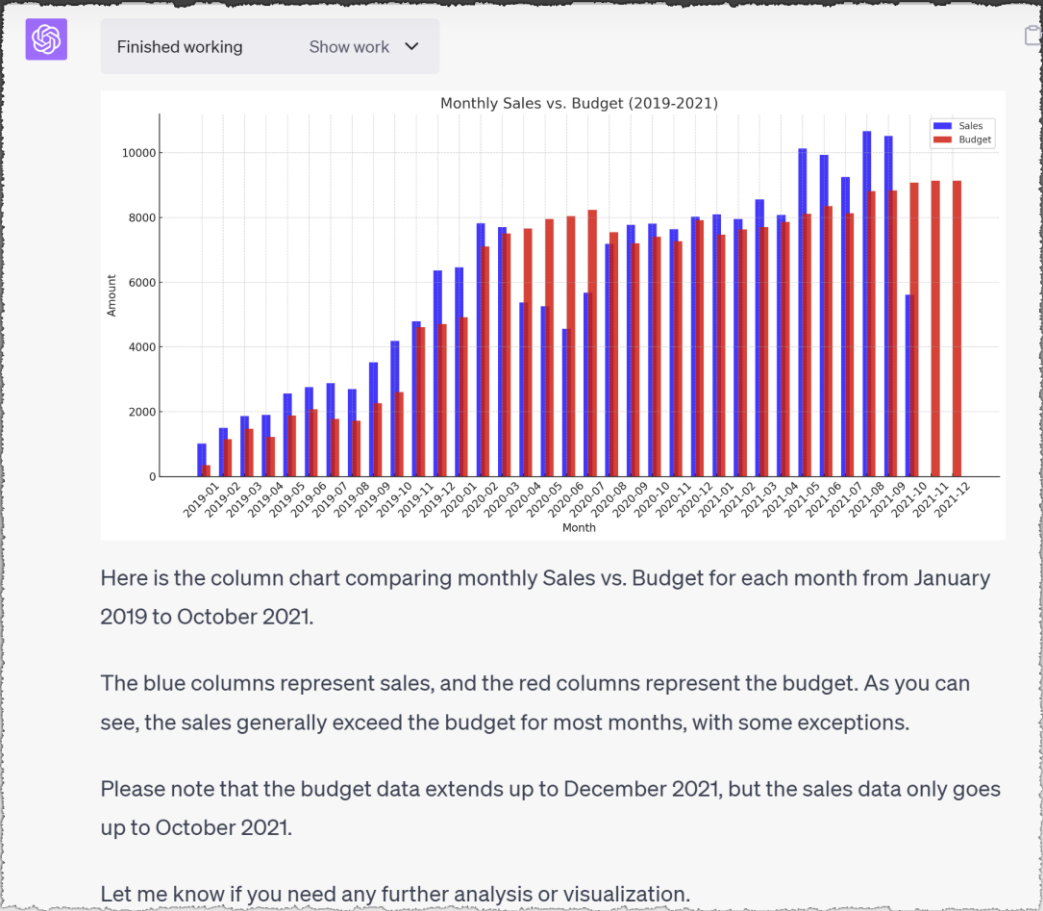
Finished working

Show work ▼

I've computed the monthly sales from January 2019 to October 2021.



30 seconds later... I add one more sentence to get the look I want



Export image and data

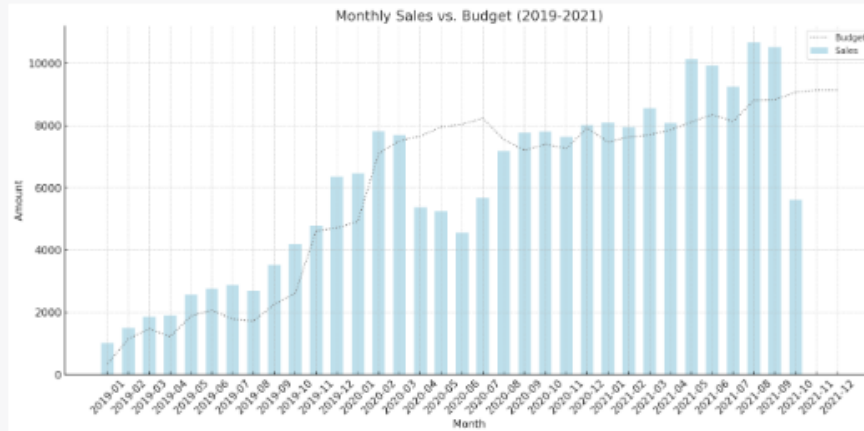
4

Can you export the chart as an image



Finished working

Show work



I've saved the chart as an image. You can download it using the link below:

[Download the chart image](#)

5

Can you export the chart data as a CSV



Finished working

Show work



I've saved the chart data (monthly sales and budget) as a CSV file. You can download it using the link below:

[Download the chart data CSV](#)



Connect with Wyn



Related video



ACCESS ANALYTIC