ChatGPT and Scripts

- The Al Advantage -

Supercharging Google Ads with Chat GPT and Scripts

SMX Advanced Berlin, Sep 2023

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Today you will learn

- 1. The power of ChatGPT for PPC management
- 2. How you can use scripts to automate the use of this superpower
- 3. How you can use ChatGPT to create these scripts for you



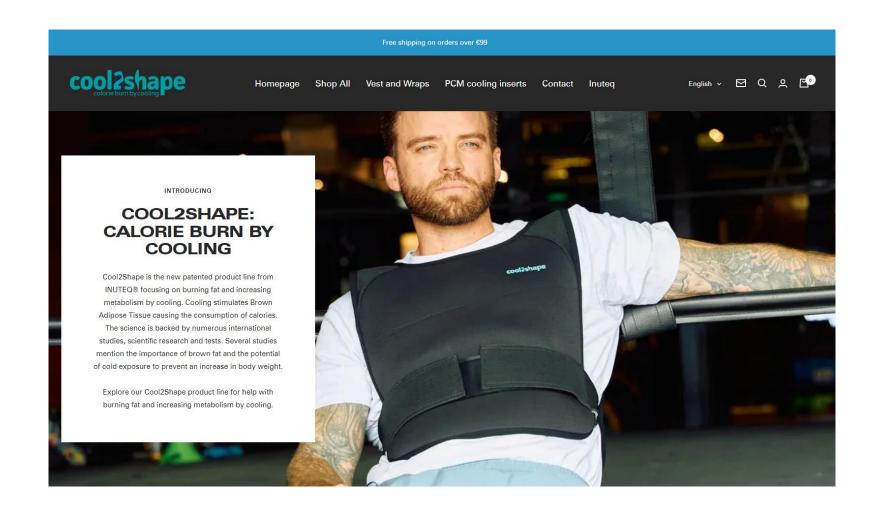
PROBLEM: Onboarding a new client





- KWR
- Ad Copy
- Landing Pages
- Campaign Structure
- Budgets
- Bids
- Conversion tracking
- •

The client



System Prompt

You are a senior Google Ads consultant with excellent skills in creating and optimizing Google Ads campaigns.

Your current job is to do keyword research for a new client that wants to start advertising.

Prompt

Create some keyword suggestions for this page: https://cool2shape.inuteq.com/

Make sure the keywords are highly relevant to the content on the page. Group the suggested keywords into upper-funnel and lower-funnel keywords.







While I can't directly view the page at "https://cool2shape.inuteq.com/" due to the limitations of my current interface, I can still offer a methodical approach based on your description and common practices in keyword research.

Assuming the website is about a product or service related to 'cooling' and 'shaping', here are some potential keyword suggestions. Please adjust them based on the specific content you find on the page.

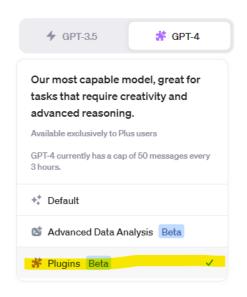
Upper-funnel keywords: These are typically broader, more generic terms that people might use when they're just starting to research or become aware of a solution. They might not be ready to purchase yet, but they're gathering information.

- 1. Cooling solutions
- 2. Body cooling techniques
- 3. How to stay cool in summer
- 4. Benefits of body cooling
- 5. Modern cooling technology
- 6. Stay cool during workouts
- 7. Ways to beat the heat
- 8. Personal cooling products

Lower-funnel keywords: These keywords indicate a user who is further along in their purchasing journey. They're more specific and might relate directly to the product or service features, brands, or problems that the product solves.

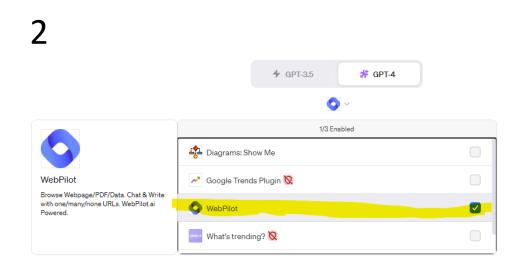
- 1. Cool2Shape product reviews
- 2. Buy Cool2Shape online
- 3. Cool2Shape discounts

1 Activate Plugins

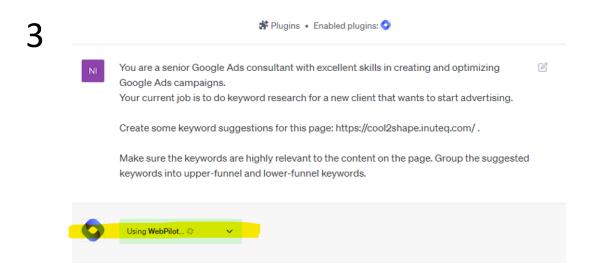


ChatGPT plugins are add-ons that extend the AI chatbot's capabilities.

The feature can be accessed through the in-platform store, providing you have a valid ChatGPT Plus subscription and ChatGPT-4 access.

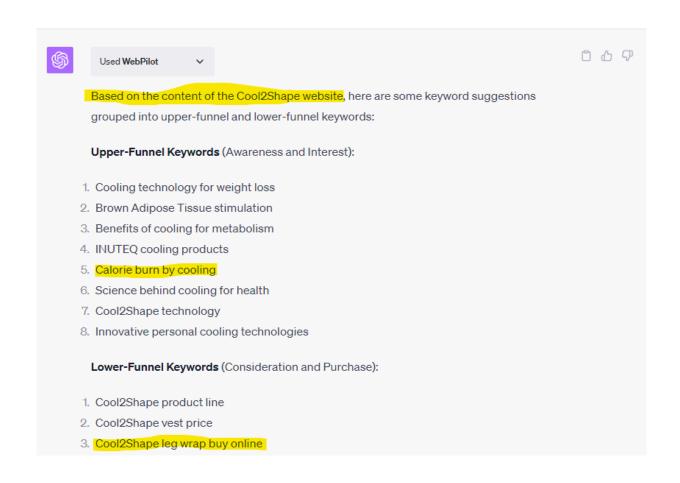


WebPilot allows users to provide a URL and make requests for interacting with, extracting specific information, or modifying the content from the URL









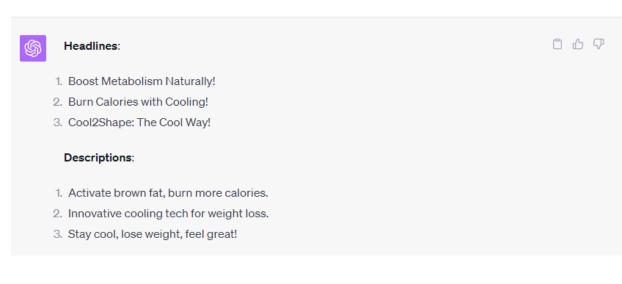
Ad Copy Inspiration please!



Zero shot prompting

Create 3 headlines and 3 descriptions for the keyword 'calorie burn by cooling'.

Make sure each headline has a maximum of 30 characters, and each description a maximum of 90 characters.





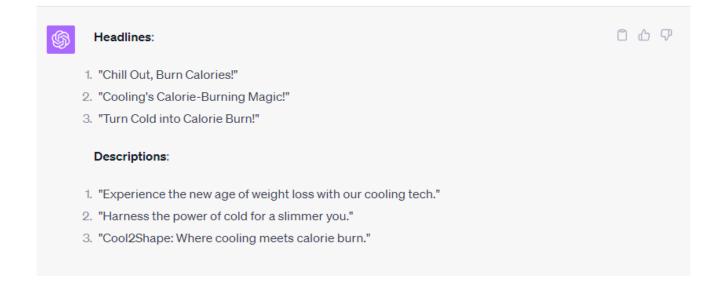


One shot prompting

Create 3 headlines and 3 descriptions for the keyword 'calorie burn by cooling'.

Make sure each headline has a maximum of 30 characters, and each description a maximum of 90 characters.

Here's an example of the desired output:
Headline: "Cool way to burn calories"
Description: "Cool2Shape offers state of the art cooling technology that let's you burn fat in no time!"



getting better



Few shot prompting

Create 3 headlines and 3 descriptions for the keyword 'calorie burn by cooling'.

Make sure each headline has a maximum of 30 characters, and each description a maximum of 90 characters.

Here are some examples of the desired output:

Headline: "Burn Calories. Buy Now."

Headline: "Cooling for Health. Buy Now."

Headline: "Order Cool2Shape Online"

Description: "Burn Fat. Increase Metabolism. Explore our Cool2Shape product line online."

Description: "Cool2Shape Vests, Leg Wraps and Waist Wraps. Go check them out!"

Description: "The Latest and Greatest Cooling Technology. Order Now!"





0 6 7

Descriptions:

- 1. "Experience calorie burn like never before. Dive into Cool2Shape."
- 2. "From vests to wraps, Cool2Shape has it all. Discover now!"
- 3. "Harness cooling for weight loss. Secure your Cool2Shape today!"

Fine-tuning via uploading new information

read this article and summarize lessons you've learned that will improve the ad copy:

https://searchengineland.com/the-anatomy-of-compelling-search-ad-copy-12086





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Search Engine Land » PPC » The Anatomy Of Compelling Search Ad Copy

The Anatomy Of Compelling Search Ad Copy

Ad copy is the only part of your PPC campaign that a searcher actually sees. A searcher does not see your keyword list, bids, day parting settings, or daily budget. Those precious few words that make up your ad copy are the only insight into your offer that a searcher uses to make the decision [...]

Brad Geddes on September 4, 2007 at 3:09 pm | Reading time: 7 minutes

Ad copy is the only part of your PPC campaign that a searcher actually sees. A searcher does not see your keyword list, bids, day parting settings, or daily budget. Those precious few words that make up your ad copy are the only insight into your offer that a searcher uses to make the decision to click on your ad.

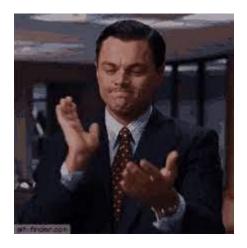
Therefore, the characters that are allotted to the ad copy need to convey a message that draws attention, is simple to comprehend, and compels a searcher to click on your ad and do business with your company.

There are five major items that can be used in ad copy. However, ads do not have the character space to effectively allot all of these items at a single time (unless you start combining them—which is a possibility). This is one of the reasons that testing ad copy is essential to PPC success. Ideas are not difficult to come by—results are.

The five major parts of search ad copy are:

- · Captivating headline
- Features
- Benefits
- Unique selling proposition (USP)
- · Call to action









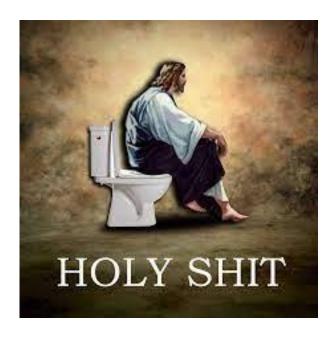


From the article "The Anatomy Of Compelling Search Ad Copy" on Search Engine Land, here are the key lessons to improve ad copy:

- 1. Importance of Ad Copy: The ad copy is the only part of a PPC campaign that a searcher sees. It's essential to convey a compelling message in those limited characters to entice a
- 2. Five Major Parts of Search Ad Copy:
 - * Captivating Headline: The headline should grab attention and entice the searcher to read the rest of the ad. It can be a standalone element or incorporate other elements like a feature or call to action.
 - . Unique Selling Proposition (USP): It's crucial to differentiate your business in your ad copy. Highlight what's unique about your business that customers won't find elsewhere.
 - Features vs. Benefits: Features list what a product is, while benefits explain what a product does for the customer. Transforming features into benefits can make the ad more compelling.
 - Calls to Action: Direct the consumer on what to do next. It should extend to your website and guide the consumer towards the desired outcome.
 - Combining Elements: A strength of ad copy is combining elements together, like making a call to action also a benefit. However, it's essential not to make the ad confusing.
- 3. Testing is Essential: It's vital to test each element of the ad copy to ensure it's helping achieve the campaign's success metrics. Measure each element's impact on click-through rate (CTR) and conversion rate.
- 4. Simplicity is Key: PPC ads are concise. It's a challenge to take complex messages and simplify them into easy-to-understand statements. Only keep characters that contribute to the campaign's success.

Incorporating these lessons can significantly enhance the effectiveness of ad copy, ensuring it resonates with searchers and drives desired actions.

how would you change your latest ad copy suggestions based upon what you have just learned?





Certainly! Based on the lessons learned from the article, here's a revised set of ad copy suggestions:



Headlines:

- 1. "Cool & Burn Calories Fast!"
- Rationale: A captivating headline that combines the unique feature (cooling) with the benefit (burning calories).
- 2. "Why Just Sweat? Burn More!"
 - Rationale: A unique selling proposition (USP) that differentiates the product by suggesting that with cooling, you can do more than just sweat.
- "Cool2Shape: See Results Now!"
 - . Rationale: A call to action combined with the brand name, urging immediate action and hinting at quick results.

Descriptions:

- 1. "Experience next-gen weight loss. Dive into Cool2Shape's cooling tech & transform your
- · Rationale: Combines the feature (cooling tech) with the benefit (transforming one's weight loss routine).
- 2. "From vests to wraps, we offer unique cooling solutions. Stand out & achieve your fitness goals."
 - Rationale: Highlights the product range (vests to wraps) and the USP (unique cooling solutions) while pointing towards a benefit (achieving fitness goals).
- 3. "Harness the power of cold. Boost metabolism & order your Cool2Shape product today!"
 - Rationale: A call to action urging order combined with the benefit of boosting metabolism.

These revised suggestions incorporate captivating headlines, clear benefits, and calls to action, all while keeping the message concise and compelling.

Make the client happy



Chat GPT for PPC: Conversion Rate Optimization

You are a senior Conversion Rate Optimization expert with excellent skills in optimizing landing pages for Google Ads campaigns.

Your current job is to give concrete tips to improve the conversion rate for this page: https://cool2shape.inuteq.com/

Write the tips in the form of an email I can send to my client.

Chat GPT for PPC:

Conversion Rate Optimization



Certainly! Based on the content of the website, here's a draft email you can send to your client with concrete tips to improve the conversion rate for the Cool2Shape landing page:

Subject: Recommendations to Boost Conversion Rate for Cool2Shape Landing Page

Dear [Client's Name],

I hope this email finds you well. I've taken the time to review the Cool2Shape landing page and have identified several areas of improvement that can potentially boost the conversion rate for your Google Ads campaigns. Here are my recommendations:

- 1. Clear Call-to-Action (CTA): While the products are prominently displayed, consider adding a more distinct CTA button such as "Shop Now" or "Discover the Science" to guide visitors towards making a purchase or learning more.
- 2. Highlight Free Shipping: The offer for free shipping on orders over €99 is a great incentive. Consider making this more prominent, perhaps with a banner at the top or a highlighted
- 3. Testimonials & Reviews: Consider adding a section with customer testimonials or product reviews. Real-life experiences can significantly influence purchasing decisions.
- 4. Simplify Navigation: The navigation bar could be simplified to focus on the most essential pages, making the user journey more straightforward.

- Engaging Visuals: Incorporate more visuals, such as before-and-after photos or infographics explaining the science behind Cool2Shape, to make the page more engaging.
- 6. Mobile Optimization: Ensure the website is fully optimized for mobile devices, as a significant portion of users might access the site via smartphones or tablets.
- 7. FAQ Section: An FAQ section addressing common questions about the product, shipping, returns, etc., can help alleviate any concerns potential customers might have.
- 8. Social Proof: Display any endorsements from high-profile athletes, ProCycling teams, or Formula-1 teams to build trust and credibility.
- 9. Newsletter Signup: The newsletter signup could be made more enticing with an offer, such as a discount on the first purchase or exclusive access to new products.
- 10. Live Chat Support: Consider adding a live chat feature to address any immediate questions or concerns visitors might have.

I believe that by implementing these recommendations, we can create a more user-friendly experience, build trust with potential customers, and ultimately increase the conversion rate for the Cool2Shape landing page.

Please let me know your thoughts, and if you'd like to proceed with any of these changes. I'm here to help!

Warm regards,

[Your Name]

BE SPECIFIC







Ongoing optimizations



Chat GPT for PPC: Ongoing Account Optimizations

"Is there a trend in the number of impressions for my top 5 search terms this year?"

Chat GPT for PPC: Ongoing Account Optimizations



"Is there a trend in the number of impressions for my top 5 search terms this year?"

"Hmm....my data analyses skills are very limited...

Chat GPT for PPC: Ongoing Account Optimizations

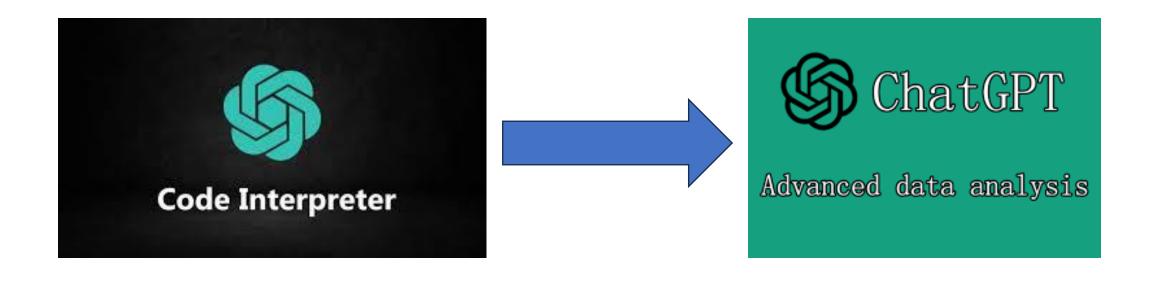


"Is there a trend in the number of impressions for my top 5 search terms this year?"

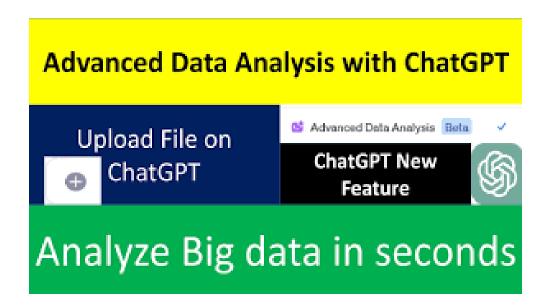
"Hmm....my data analyses skills are very limited...

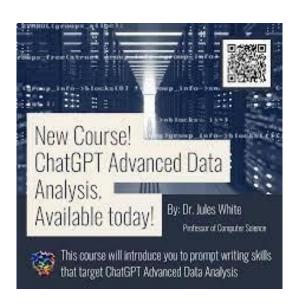
"Well, why not ask ChatGPT?"

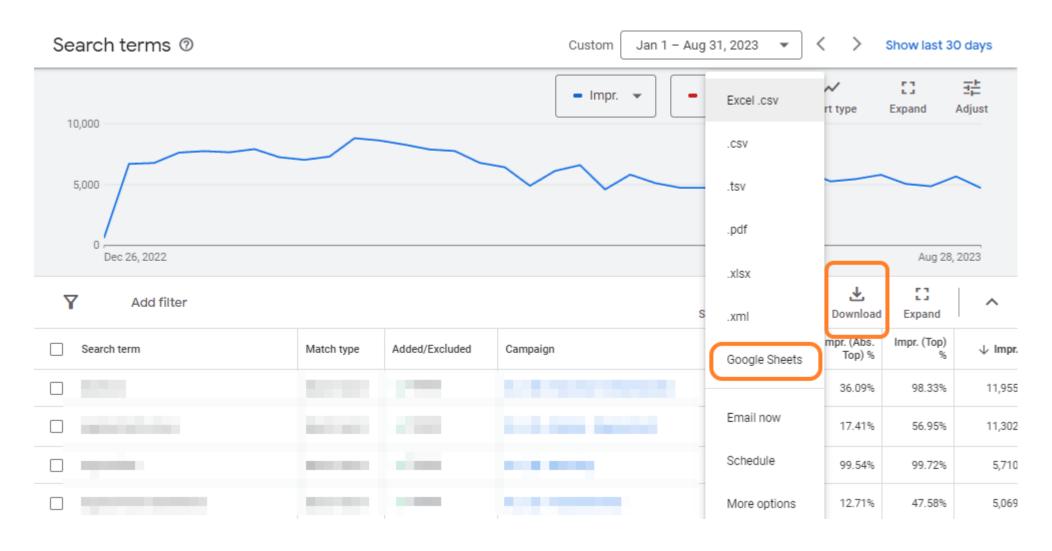
Introducing...

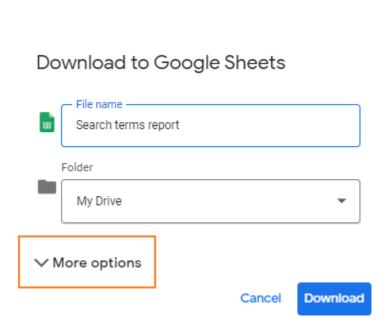


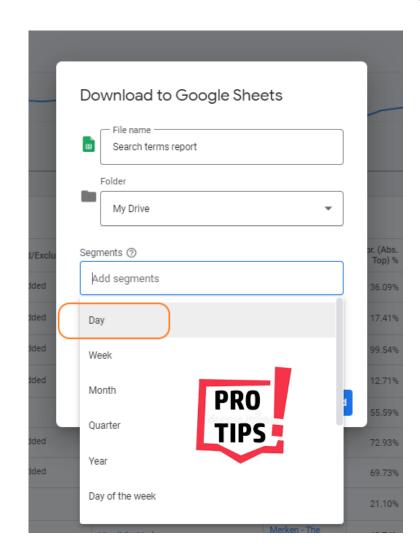
ChatGPT on Steroids

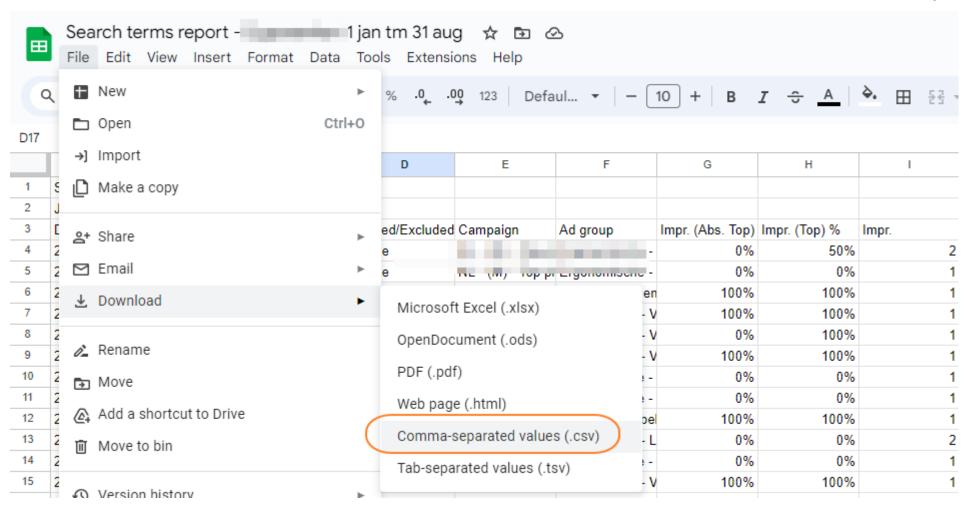


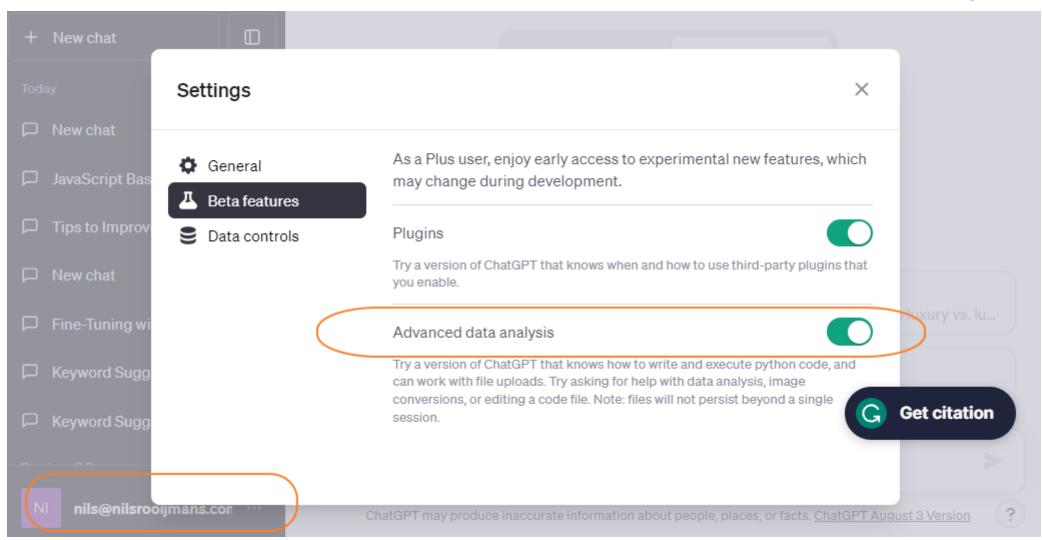


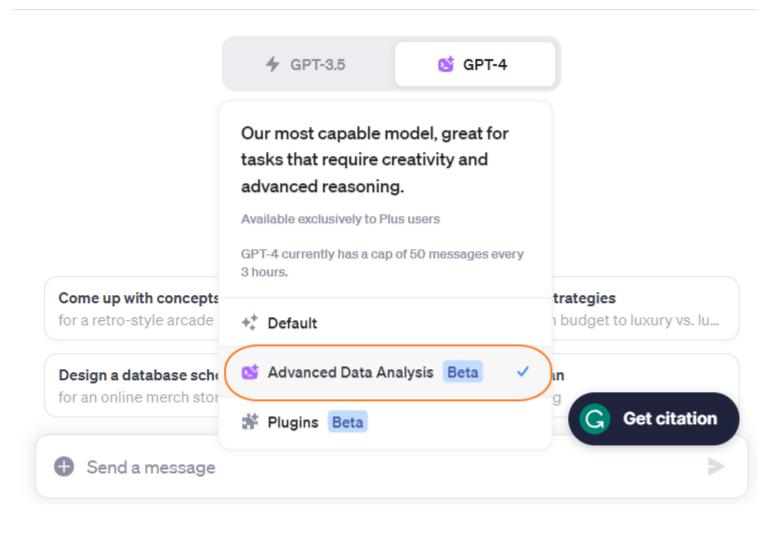


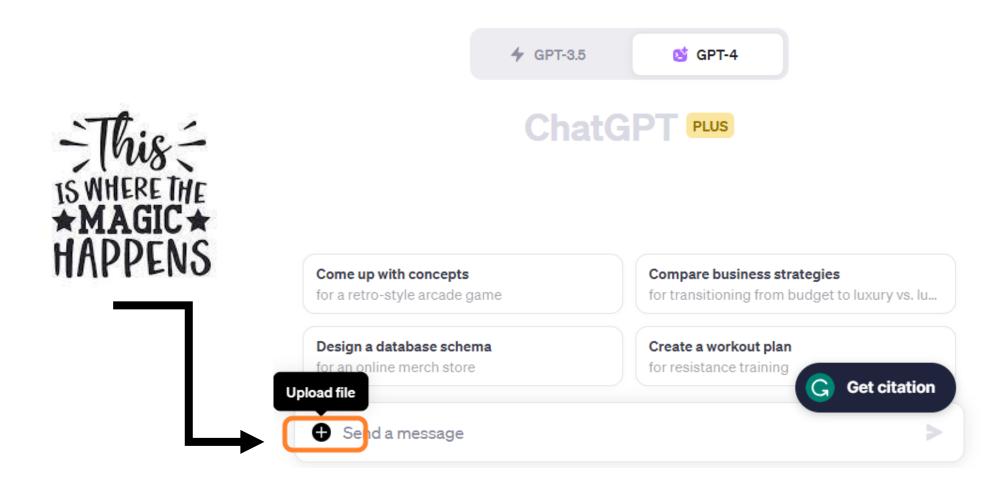












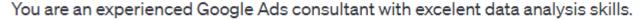
Chat GPT + Advanced Data Analysis: Visualize trends in search term data — step 5





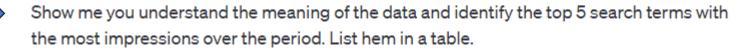


Search terms report - Ergowerken 1 jan tm 31 aug.csv



Attached is a csv file with a large list of search terms and their corresponding metrics for different dates this year.

The file contains a header on line 3 as well as rows decribing the totals at the bottom. Ignore the first two rows and ignore the totals in the last few rows.





Chat GPT + Advanced Data Analysis: Visualize trends in search term data

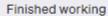


Alright, let's start by loading the data and inspecting the first few rows. We'll omit the first two rows as you mentioned and then take a look at the structure of the dataset.



Regenerate





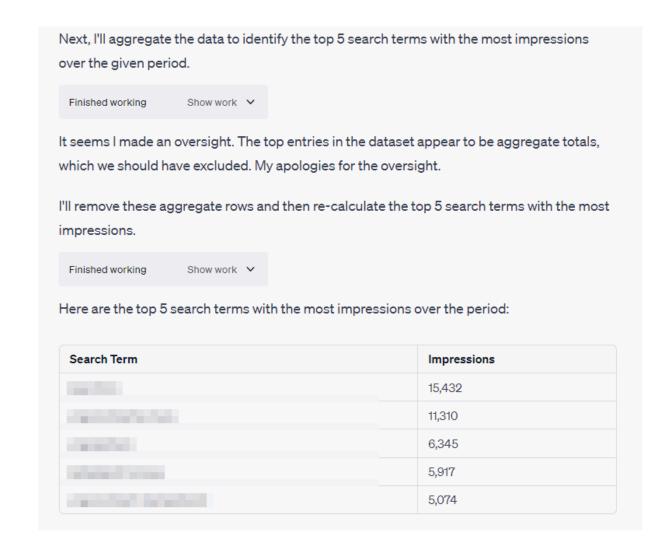
Show work V

The dataset appears to be a typical Google Ads search terms report. Here's a brief overview of some columns:

- Day: The date on which the search term was queried.
- Search term: The actual search term that users typed into Google.
- Match type: How closely the search term matched the keywords in your campaign.
- Campaign and Ad group: Organizational structures in Google Ads for your advertisements.
- Impr. (Abs. Top) % and Impr. (Top) %: Metrics indicating where your ad appeared on the search results page.
- Impr.: The number of times your ad was shown (impressions).
- Clicks: The number of times your ad was clicked.



Chat GPT + Advanced Data Analysis: Visualize trends in search term data — step 5







Chat GPT + Advanced Data Analysis: Visualize trends in search term data — step 6

NI

Next, it is your job to create an animated graph that shows the number of impressions for these top 5 search terms on a weekly basis.

Proceed by first creating a table with the weekly stats for the top 5 search terms, including a column for the week number and a column for the start date of the week.

Sort that table based on the start date of the week, in chronological order.

Create a download link for this table.

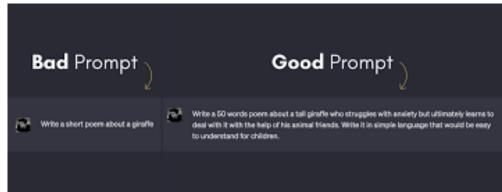
The data in the graph should be presented in a way that has the oldest dates on the left of the x axis, and the most recent dates on the right

On the x axis, for every interval of 5 weeks, list the start date of the week. Make sure the animated graph shows the complete date range on the x-axis in each frame.

Use the y-axis to visualise the number of impressions per week.

Be sure to use distinctive colors for the different search terms.

Be sure to include download links for all images you create.



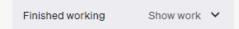
Chat GPT + Advanced Data Analysis: Visualize trends in search term data



Let's break this task down step by step:

- Create a table with weekly stats for the top 5 search terms.
 - This table will include a column for the week number and a column for the start date of the week
 - * We'll sort this table based on the start date of the week in chronological order.
- 2. Create the animated graph based on the table.
 - The x-axis will represent the start date of the week, with intervals of 5 weeks labeled.
 - The y-axis will show the number of impressions per week.
 - * The graph will be animated to show the data for each search term over time.

Let's start with the first step: creating the table with weekly stats for the top 5 search terms.



I've created a table with weekly statistics for the top 5 search terms. This table is sorted based on the start date of the week in chronological order.

Download the table with weekly stats for the top 5 search terms

4	Α	В	С	D
1	Week Start Date	Week Number	Search term	Impr.
2	02-01-23	1		115
3	02-01-23	1		353
4	02-01-23	1		227
5	02-01-23	1		312
6	02-01-23	1		553
7	09-01-23	2		489
8	09-01-23	2		258
9	09-01-23	2		173
10	09-01-23	2		346
11	09-01-23	2		230
12	16-01-23	3		156



Chat GPT + Advanced Data Analysis: Visualize trends in search term data

Next, we'll proceed to create the animated graph. We'll represent the search terms as ST1, ST2, ST3, ST4, and ST5 and make sure the oldest dates are on the left of the x-axis, and the most recent dates are on the right. On the x-axis, for every interval of 5 weeks, we'll list the start date of the week in an easy-to-read format. The y-axis will visualize the number of impressions per week. Let's proceed with this step.

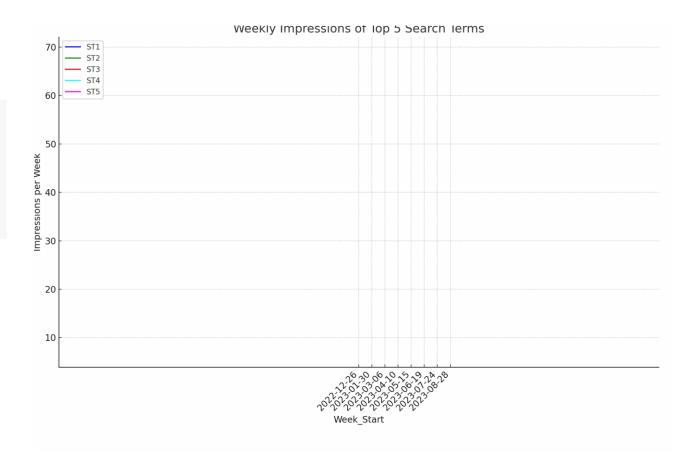
Finished working

Show work Y



2 PROMPTS





Chat GPT + Advanced Data Analysis: Visualize trends in search term data

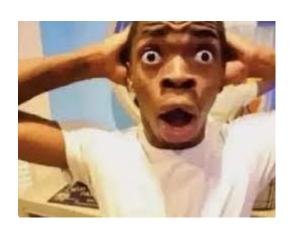
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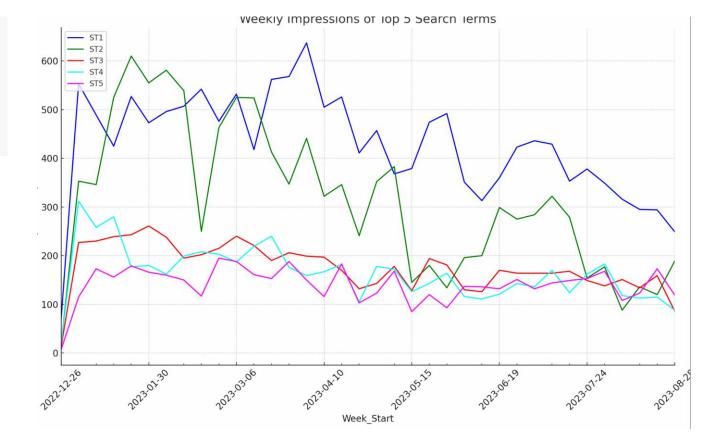
Finished working

Show work 💙



2 PROMPTS





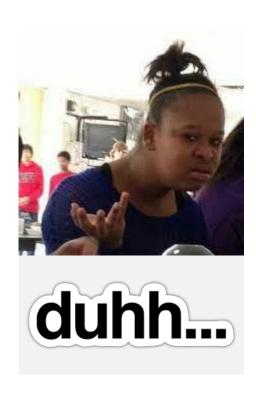
Chat GPT for PPC: Ongoing Account Optimizations

"Could ChatGPT help me do n-gram analyses?



An n-gram is a phrase made of n words: a 1-gram is a single word, a 2-gram is a phrase made of two words, and so on.

For example, "this four word phrase" contains three 2-grams ("this four," "four word," "word phrase") and two 3-grams ("this four word" and "four word phrase").





- 1. Download SQR data (ie: for shopping, DSA or Broad match)
- 2. Upload to ChatGPT+ADA
- 3. Ask it to analyze all of the search terms and explain the data
- 4. Ready? Let's prompt ->

Perform bi-gram analyses.

Aggregate the number of impressions, clicks and cost per bi-gram.

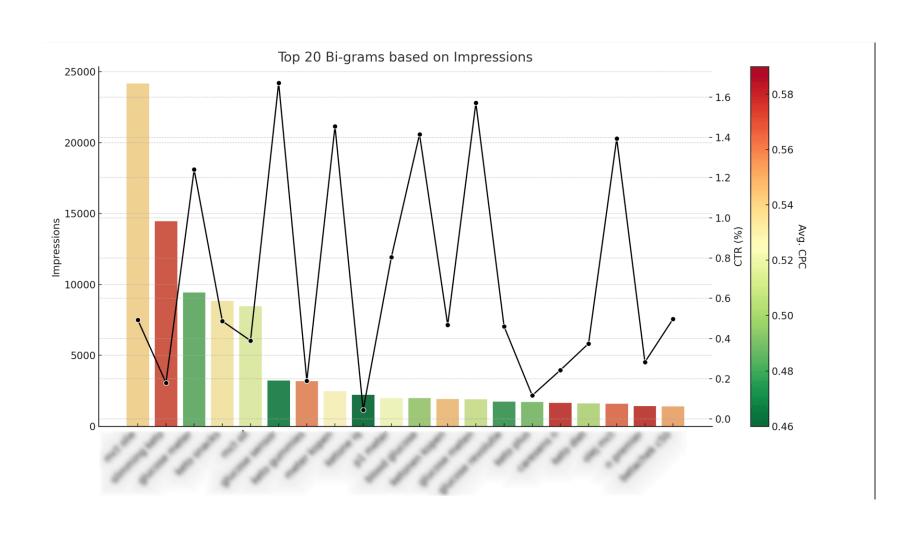
For each bi-gram, calculate the CTR with CTR = (clicks/impressions) * 100%, and calculate the 'Avg CPC' with Avg CPC = cost/clicks

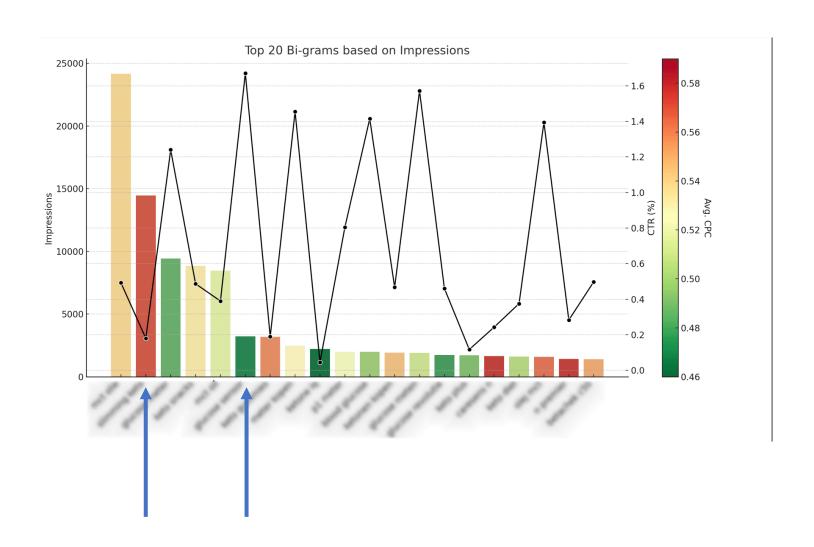
Continue with the top 20 bi-grams based on number of impressions

Show the top 20 bi-grams based on impressions, as a table with download link

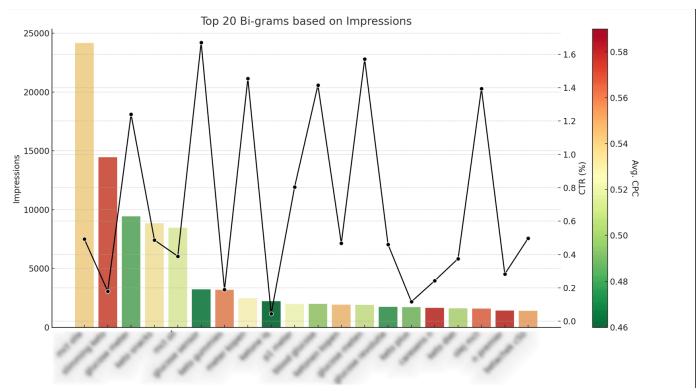
Visualise the top 20 bi-gram in a Dual-Axis Bar chart. Use Y axis for the number of impressions and CTR. Use the x-axis for the bi-grams. Be sure to add color gradient on the bars that represents the Avg. CPC, ranging from green (low cost) to red (high cost).

As always, add a download link for the graph.







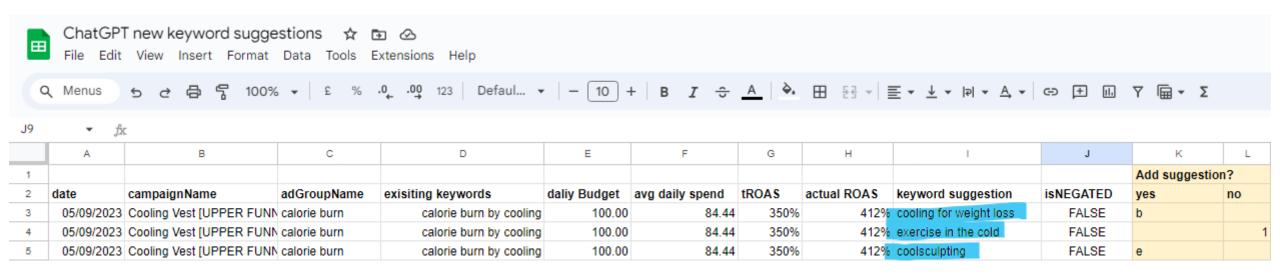


ChatGPT – from manual to (semi) automated





- add new keywords to campaigns with great performance



(Semi) Automatically add new keyword suggestions from ChatGPT to ad groups that have good ROAS/CPA and un-used budget.

- write RSA Headlines and Descriptions

 Automatically create Google Sheet with suggestions for missing headlines and descriptions

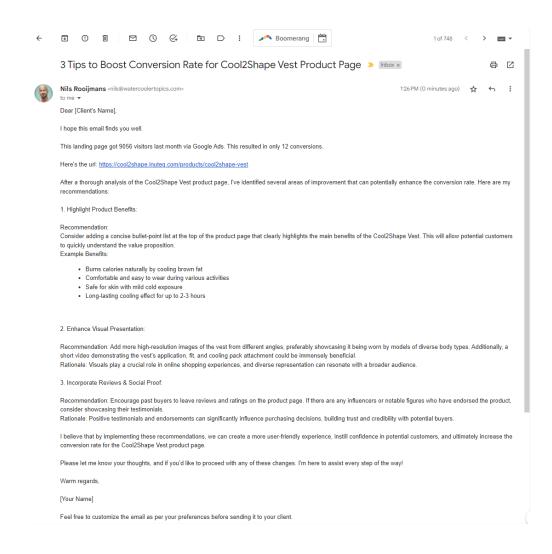
IDEA

 Run an experiment and have the script <u>automatically</u> replace assets with "low" performance score.

S	Т	U	V	W
Headline 11	Headline 12	Headline 13	Headline 14	Headline 15
1 Platform For 4 A	Trusted By 75K+ A	75K+ Users Across	PPC Users In 30+ 0	Rated 4.7+ On Top
Designed for all te	Try Optmyzr for fre	Start free trial - Fu	Start 14-day free t	Free trial - Get sta
Start Free Trial - Fo	Start 14-Days Free	PPC Users in 30+ C	Rated 4.7+ on Top	Trusted by 75K+ A
75K+ Users Across	PPC Users in 30+ C	Rated 4.7+ on Top	PPC Ads Made Eas	Maximize Ad Perfo
Free Trial - Get Sta	Try Optmyzr for Fr	Advanced Ads Solu	Boost Paid Ad Can	Better PPC Perform
Try Optmyzr for Fr	Boost PPC Profits	Effortlessly Autom	Simplify Google Ad	Try Optmyzr's PPC
75K+ Users Across	Rated 4.7+ on Top	1) Boost PPC Perfo	2) Master Your PP	3) Dominate with
Start Free Trial - Fo	Free Trial - Get Sta	Maximize Your PP	Effortlessly Manag	Revolutionize You
1 Platform for 4 Ad	Tool that Experts U	Start Free Trial - Fo	Start 14-Days Free	Free Trial - Get Sta
Get control over a	Start free trial - Fu	Start 14-day free t	Free trial - Get sta	Try Optmyzr for fr
Maximize your Am	Rated 4.7+ on top	PPC users in 30+ c	75K+ users across	Trusted by 75K+ a
Get control over a	Start free trial - Fu	Start 14-day free t	Free trial - Get sta	Try Optmyzr for fr

LINK: https://searchengineland.com/google-ads-script-gpt-responsive-search-ads-395548

- generate monthly CRO tips for your client
- Automatically generate monthly CRO tips for the top landing pages.
- Receive an email you can easily forward to your client/colleagues
- Use landing page stats and search term stats as input for GPT

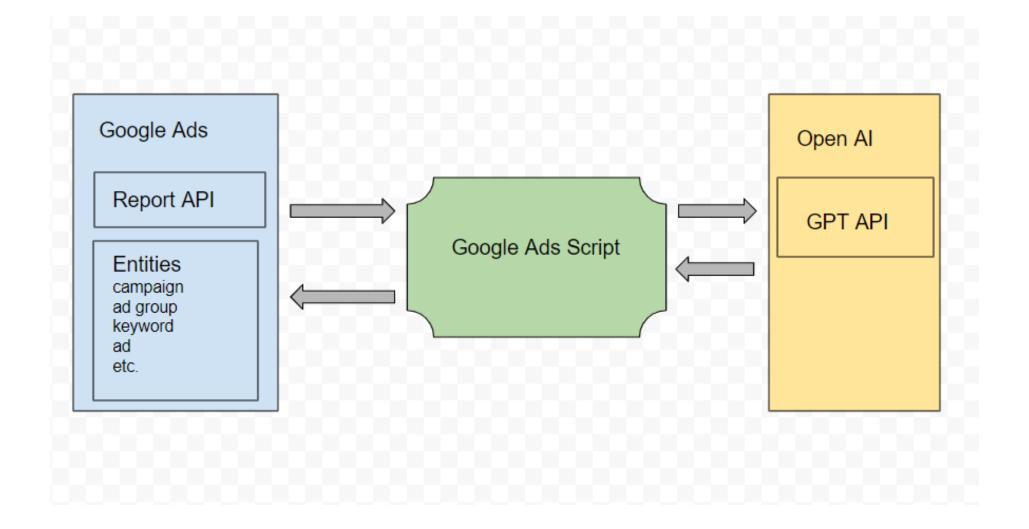




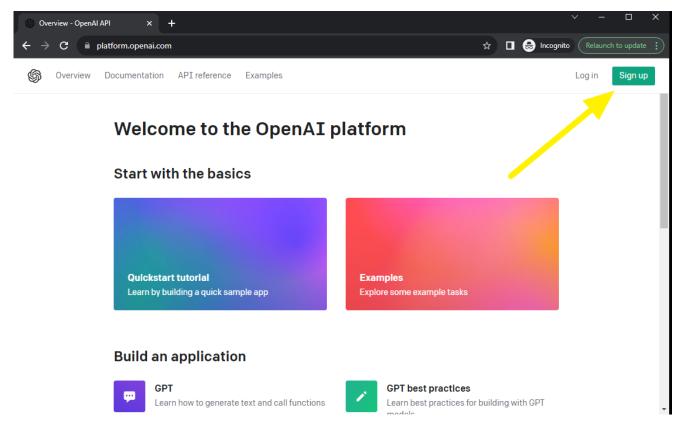




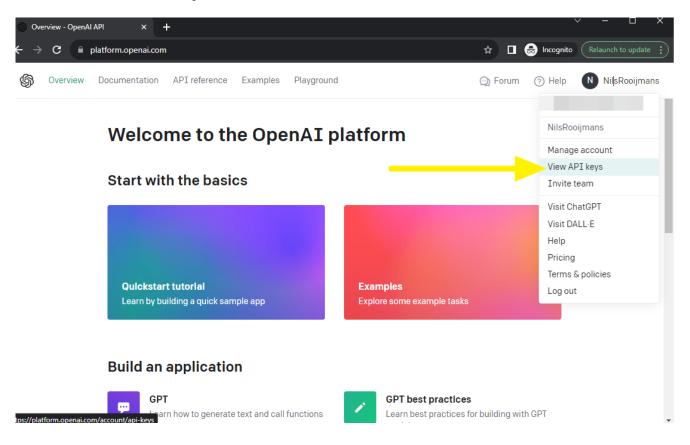
Google Ads Scripts + GPT How does it work?



1) Create Open Al account

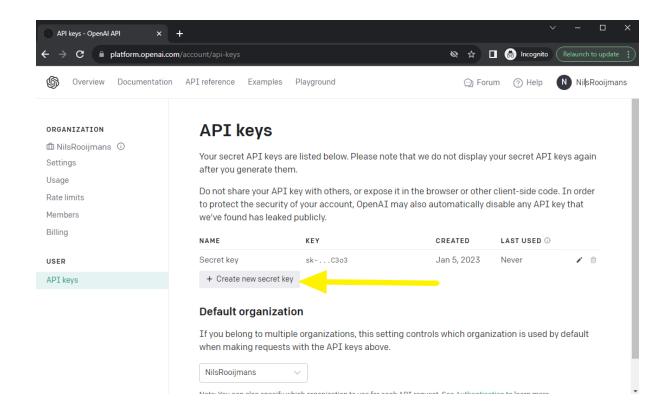


2) View API keys

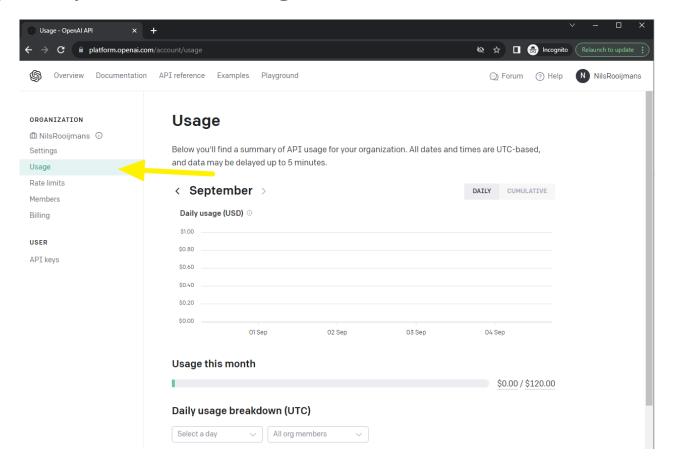


3) Create new key

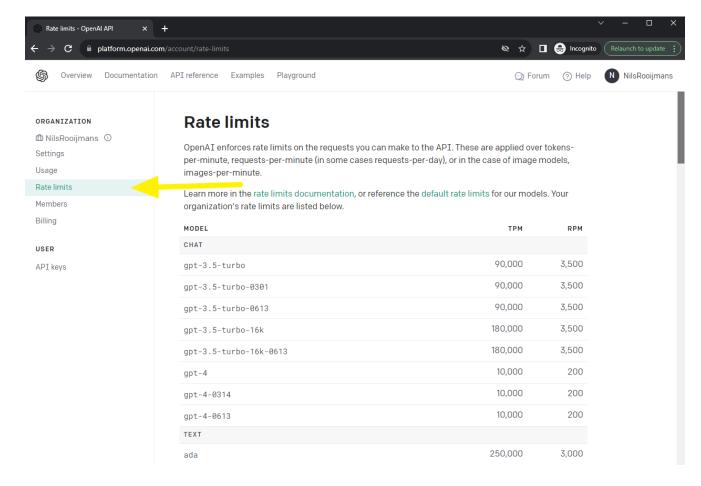
! MAKE SURE TO COPY PASTE!



4) Keep track of usage and costs



5) Rate limits for different models



How to connect to API via Google Ads script

Script name: Chat GPT for Google Ads Scripts Code.gs 2 // 1. Set API endpoint 3 const ENDPOINT_URL = 'https://api.openai.com/v1/chat/completions'; **GPT API.gs** 5 // 2. Insert API key, get your key at https://platform.openai.com/account/api-keys 6 const CHAT_GPT_API_KEY = ' ; 8 // 3. Choose your model, see details https://platform.openai.com/docs/models/overview 9 // Possible models: gpt-4, gpt-4-0613, gpt-4-32k, gpt-4-32k-0613, gpt-3.5-turbo, gpt-3.5-turbo-0613, gpt-3.5-turbo-16k, gpt-3 10 const GPT MODEL = 'gpt-4': 12 // 4. Set temperature, What sampling temperature to use, between 0 and 2. Default is 1. 13 // Higher values like 1.8 will make the output more random, while lower values like 0.2 will make it more focused and deterministic. 14 const TEMPERATURE = 1; 16 // 5. Set nucleus sampling. The model considers the results of the tokens with top p probability mass. 17 // So 0.1 means only the tokens comprising the top 10% probability mass are considered. Default is 1. 18 const TOP_P = 1; 20 // For more details on the parameter options, visit https://platform.openai.com/docs/api-reference/chat/create

URL: https://nilsrooijmans.com/chatgpt-for-google-ads-scripts

How to connect to API via Google Ads script

```
function getGPTResponse(systemPrompt, userPrompt) {
                                                                                                                  function main() {
                                                                       THE FEAR WE
                                                                                                                    var systemPrompt =
    const messages= [
                                                                                                                      "You are a senior Google Ads consultant with excellent skills in creating and optimizing Google Ads campaigns.";
      {"role": "system", "content": systemPrompt},
      {"role": "user", "content": userPrompt}
                                                                       DON'T FACE,
                                                                                                                      "Give me 3 tips to improve the CTR of my display ads.";
                                                                             BECOME
    const headers = {
                                                                                                                    var gptResponse = getGPTResponse(systemPrompt, userPrompt);
      "Content-Type": "application/json",
      "Authorization": `Bearer ${CHAT GPT API KEY}`
                                                                                                                    console.log("gptResponse : \n"+gptResponse);
                                                                         OUR LIMITS.
    const payload = {
                                                                               INSTAGRAM | IMPLEMENT 1
      "model": GPT_MODEL,
      "messages": messages.
      "temperature": TEMPERATURE.
      "top_p": TOP_P
    };
    const httpOptions = {
      "method" : "POST",
      "muteHttpExceptions": true,
      "headers" : headers,
                                                                                                                                        Done (0:30)
                                                                                                              Changes
      'payload': JSON.stringify(payload)
    };
                                                                                                           9/4/2023 3:53:54 PM gptResponse :
                                                                                                                            1. Effective Ad Design: Your Google Display Ads should be visually appealing to catch the viewer's attention among the clutter of online content.
    const response = JSON.parse(UrlFetchApp.fetch(ENDPOINT_URL, httpOptions));
                                                                                                                            2. Compelling Call-To-Action: Your Display Ads should have a compelling and clear Call-To-Action (CTA) that prompts users to take a desired actio
    const responseContent = response.choices[0].message.content;
                                                                                                                            3. Precise Targeting: Make sure you're targeting the right audience. Google Display Network (GDN) allows you to target ads based on demographics,
    //console.log("responseContent = "+responseContent);
                                                                                                                            Lastly, remember to rigorously split test various ad elements (like headlines, images, CTAs etc.) to know what works best for your campaign and c
    return responseContent;
 } catch (e) {
    console.log("### ERROR: some error occured. Please check and try again.\n "+e);
```

URL: https://nilsrooijmans.com/chatgpt-for-google-ads-scripts

Use Chat GPT to create Gads Scripts for you

- 1. Use ChatGPT as your JavaScript tutor
- 2. Use ChatGPT to fix broken scripts
- 3. Use ChatGPT to write complete scripts from scratch



Chat GPT as your private JavaScript teacher

Learn the basics of JavaScript and Google Ads Scripts by having Chat GPT as your tutor



Chat GPT as your private JavaScript teacher

system prompt

You are an experienced Google Ads Script developer with excellent educational skills.

It is your job to teach me the very basics of Javascript.

I do not have any experience in programming.

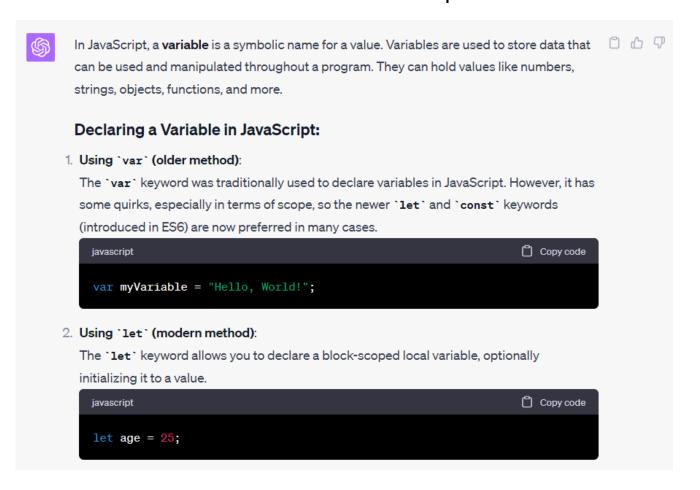
Explain every concept like I am a ten-year-old.

Give plenty of examples in the form of little Google Ads Scripts I can preview in the Google Ads Script environment.

✓Insert age here

Chat GPT teaches basic JS concepts

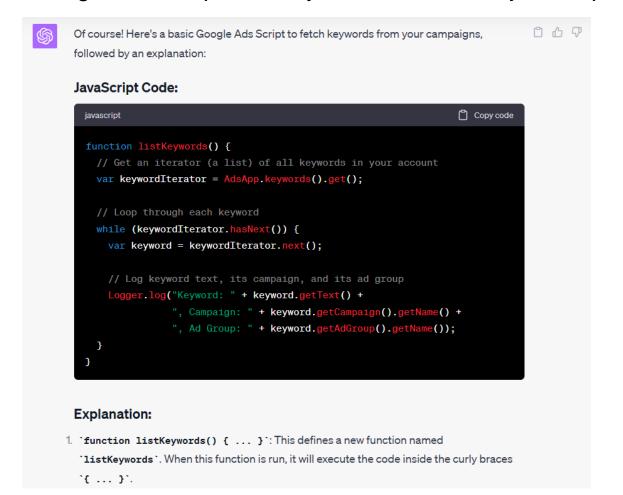
PROMPT: What is a variable in JavaScript and how do I declare it?





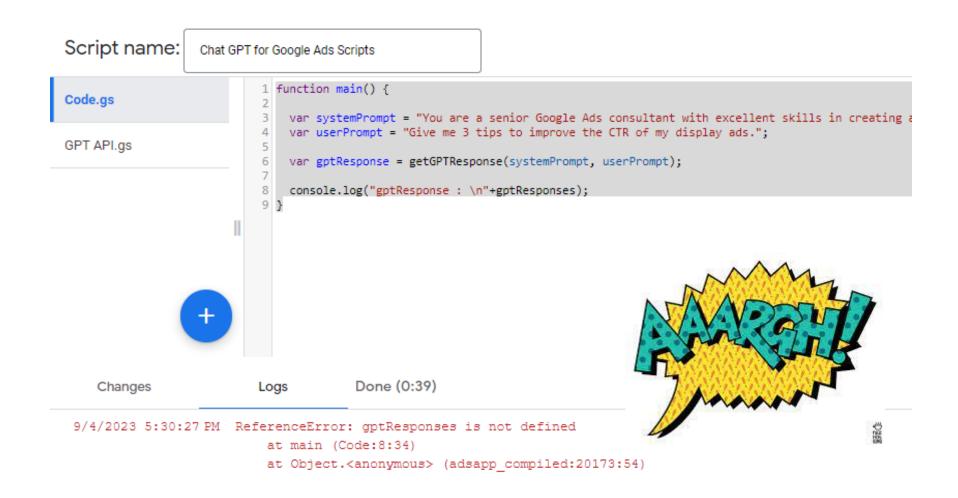
Chat GPT teaches Google Ads Script concepts

PROMPT: Explain to me how I can get access to the keywords in my Google Ads campaigns using Google Ads Scripts. Limit your answer to the javascript code and its explanation.



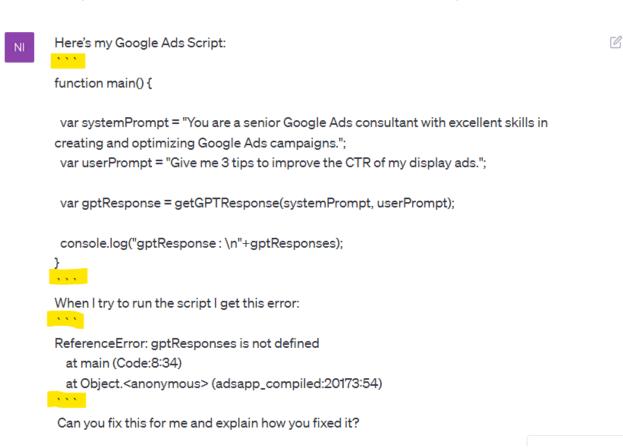


Chat GPT fixes bugs in your code



Chat GPT fixes bugs in your code

PROMPT: Here's my Google Ads Script {insert code here}. When I try to run the script I get this error: {insert error message}. Can you fix this for me and explain how you fixed it?

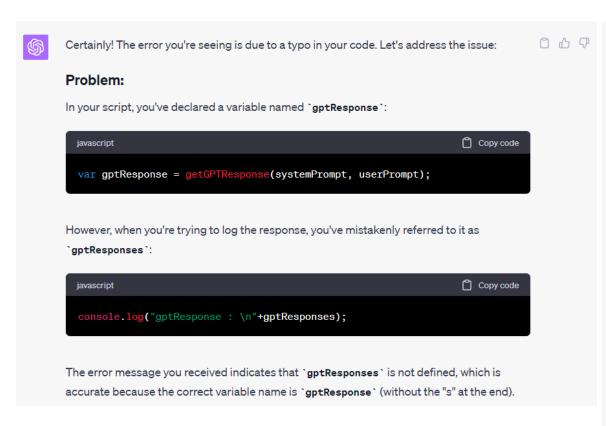




Chat GPT fixes bugs in your code

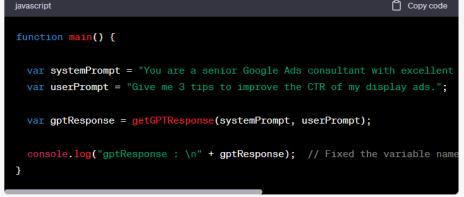


PROMPT: Here's my Google Ads Script {insert code here}. When I try to run the script I get this error: {insert error message}. Can you fix this for me and explain how you fixed it?



Solution:

To fix the error, you should correct the variable name in the `console.log` statement to match the declared variable name. Here's the corrected code:



Explanation:

In programming, it's crucial that variable names are consistent throughout the code. A small typo, like adding or omitting a character, can lead to errors. In this case, the discrepancy between 'gptResponse' and 'gptResponses' caused the error. By ensuring that the variable name used in the 'console.log' statement matches the declared variable name, the error is resolved.

Chat GPT creates scripts from scratch



SYSTEM PROMPT

You are an experienced Google Ads Script developer with excellent JavaScript skills.

It is your job to create Google Ads scripts using basic Javascript.

You explain your thinking and every part of the code and use comments to make the code readable.

```
Certainly! Google Ads Scripts allow advertisers to manage their Google Ads data more
flexibly. Let's say, as an example, you'd like to pause keywords that have spent more than
$100 without generating a conversion.
Here's a script to do that:
                                                                       Copy code
  javascript
  function main() {
   // Get all keywords in your account.
    var keywords = AdsApp.keywords()
        .withCondition('Status = ENABLED')
        .withCondition('Cost > 100')
        .withCondition('Conversions = 0')
        .get();
    // Loop through each keyword.
    while (keywords.hasNext()) {
      var keyword = keywords.next();
      keyword.pause(); // Pause the keyword
      Logger.log('Keyword [' + keyword.getText() + '] with ID ' + keyword.get
```



Let's break down the code step by step:

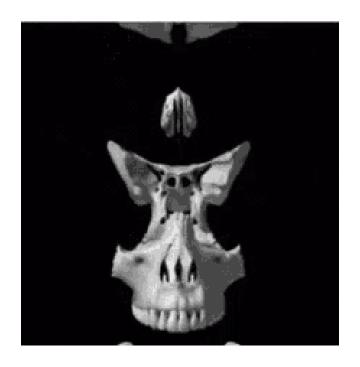
- 1. `function main() {}`: This is the main function that Google Ads Script will run.
- 2. Inside the main function:
 - a. We are fetching all the keywords with a few conditions:
 - i. `Status = ENABLED`: We want keywords that are currently active.
- ii. 'Cost > 100': Keywords that have spent more than \$100.
- iii. `Conversions = 0`: Keywords that have zero conversions.
- b. `AdsApp.keywords() `: This fetches all keywords in your account.
- c. `.withCondition()`: This is used to filter your keywords by the conditions provided.
- d. `.get() `: This finalizes the query and gets the data.
- 1. Once we have all the keywords that meet these conditions, we loop through each of them with the `while (keywords.hasNext())` loop.
- 2. Inside the loop:
 - a. `var keyword = keywords.next(); `: This fetches the next keyword in the list.
 - b. 'keyword.pause(); ': This method pauses the keyword.
 - c. `Logger.log()`: This logs a message to the script log which you can view to see which keywords were paused.

You'd add this script to your Google Ads account, and when run, it would look through your account for any keywords that have spent more than \$100 without a conversion, and then pause them.

Please make sure to test any script in a safe environment before deploying it in your live Google Ads account to prevent unintended changes.

S Regenerate

ah ok now I understand now

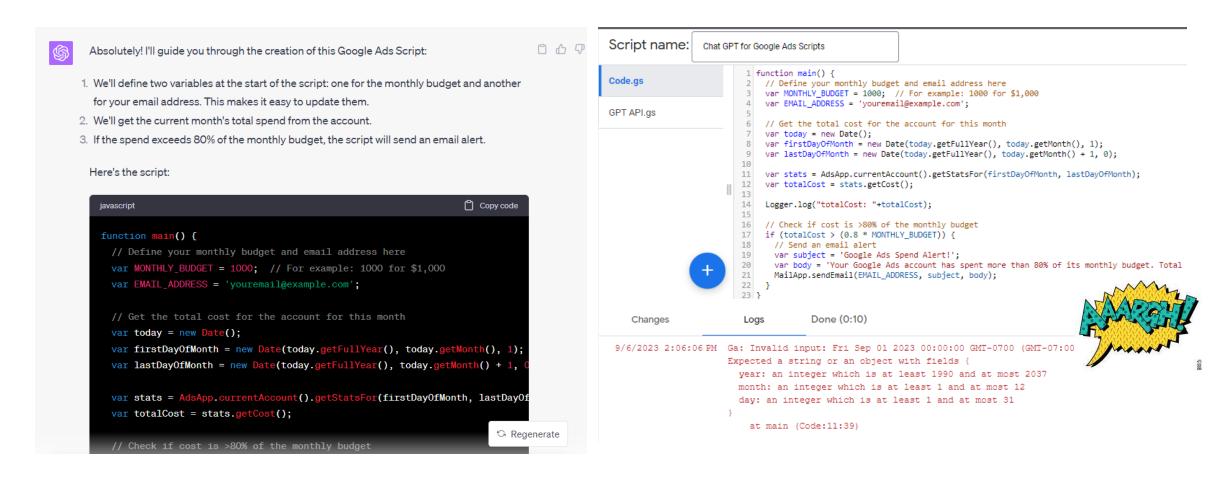


PROMPT

Now I need a script that warns me when 80% of my monthly budget has been spent.

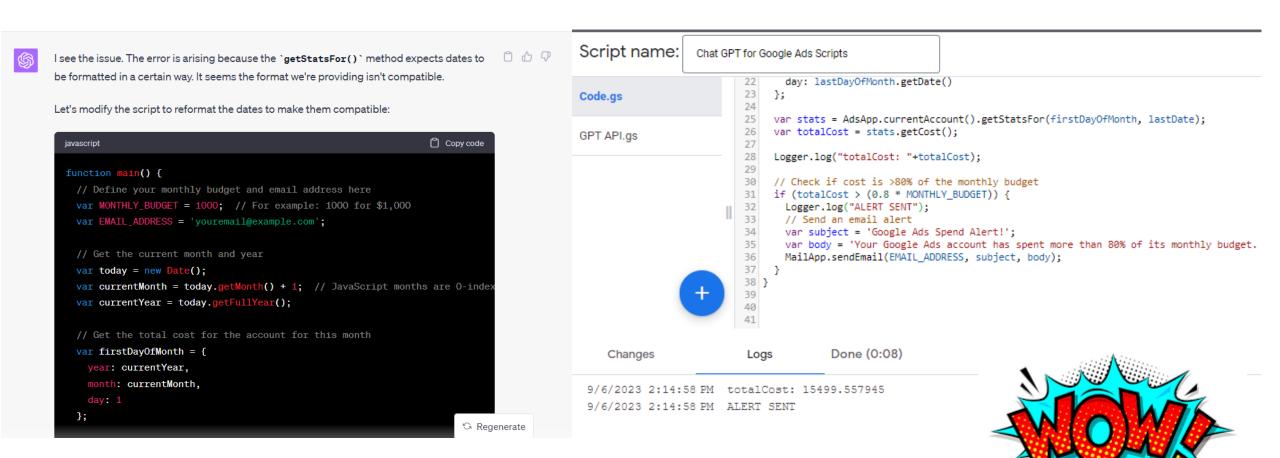
Create a script that

- 1. allows me to easily set the monthly budget for the account and provide my email address
- 2. checks the total cost for this account during this month
- 3. send an email alert if the cost is >80% of my monthly budget



PROMPT

```
Ga: Invalid input: Fri Sep 01 2023 00:00:00 GMT-0700 (GMT-07:00). Expected a string or an object with fields { year: an integer which is at least 1990 and at most 2037 month: an integer which is at least 1 and at most 12 day: an integer which is at least 1 and at most 31 } at main (Code:11:39
```



"Look Mom! I created a Google Ads script!!!"



LIVE DEMO / VIDEO RECORDING Use Chat GPT to create scripts that use the GPT API

- 1. Ask Chat GPT if it understands the code to connect to the API
- 2. Ask Chat GPT for some ideas to use the API to improve Gads performance
- 3. Pick an idea
- 4. Instruct Chat GPT to create the script
- 5. Run script in account

Summary

Chat GPT is a tool that provided superpowers for PPC Pros that learn how to use it.

Chat GPT + Advanced Data Analyses amplifies these powers even further.

Google Ads Scripts can use the GPT API to automatically apply these superpowers to optimize your accounts

Chat GPT can teach you how to create Google Ads Scripts

Chat GPT can create these scripts for you!

You can do this too!



Resources

- PDF with prompts to recreate the ADA results
- PDF with prompts to have Chat GPT teach you the basics of JS
- Link to Javascript code to connect to GPT API
- Links to some of the scripts

Link to signup page for workshop on ChatGPT + Scripts

https://nilsrooijmans.com/smx-advanced-2023

