

Web Search Functions — Usage Guide

(Un)Perplexed Spready

WEBSEARCH(query)

Executes web search, then sends results to local LLM for summarization. Returns the LLM-processed answer.

Workflow: `WebSearch()` → `CallAskLocalAI()` → `Final Answer`

Examples

```
=WEBSEARCH("latest Pascal compiler news")  
=WEBSEARCH("EUR to USD exchange rate today")
```

WEBSEARCH1(query, instruction)

Searches the web and processes results according to a custom instruction.

Examples

```
=WEBSEARCH1("climate change 2025", "Summarize in 3 bullet points")  
=WEBSEARCH1(A1, B1)
```

where A1 = search query, B1 = instruction for the AI

WEBSEARCH2(query, instruction, maxResults)

Same as WEBSEARCH1, but overrides the number of results fetched from the web for this call only.

Examples

```
=WEBSEARCH2("Docker best practices", "List top 5 tips", 3)  
=WEBSEARCH2(A1, B1, 5)
```

Tips & Important Notes

- **Cell references** are fully supported in all arguments. Query and instruction can come from other cells.
- **Combine with other cells dynamically:**
 - A1: Zagreb
 - B1: =WEBSERACH("weather forecast " & A1)
- **DEFER CALCULATION** while building your spreadsheet. Each call fetches multiple web pages — this takes time. Use **Tools > Defer Formula Calculation** to prevent formulas from executing on every keystroke.
- **Execution time depends on:**
 - o Number of enabled search engines
 - o Target Results setting (Settings > Web Search)
 - o Words Per Page setting
 - o Network speed and website response times
- **Typical range: 10 – 60 seconds per cell.**
- **Wikipedia and Wikidata** are recommended for factual queries — they are fast, reliable, and have no anti-bot protection.
- **To adjust settings:** Go to **Settings > Web Search Settings** to configure which engines are used, how many results are fetched, and page content limits.
- **Ignored Sites** (configured in Settings) are automatically skipped during page fetching.
- **Chromium headless:** If enabled, JavaScript-heavy pages will be rendered before content extraction. This improves quality but increases execution time.

Available Search Engines

Engine	Auth Required	Notes
SearXNG	No	Requires local instance
DuckDuckGo	No	Always available, no key needed
Brave	API key	Free tier: 2,000 req/month
Google CSE	API key + CX	Free tier: 100 req/day
Bing	API key	Microsoft Azure subscription
Mojeek	No	Independent search engine
Startpage	No	Google-powered, privacy-focused
Wikipedia	No	Best for factual/encyclopedic queries
Wikidata	No	Structured entity data

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