

Checkbox Data Export Chrome Extension

Problem Statement

In many scenarios, agents face difficulty extracting data from websites, especially when the data is presented in large tables or lists. Traditional copy-paste methods are inefficient, error-prone, and cannot handle large amounts of data or structured extraction. Users often require the data in a **structured format** like CSV for analysis, reporting, or processing.

Solution

The **Checkbox Exporter Chrome Extension** solves this problem by allowing users to **select specific rows using checkboxes** (including pseudo-checkboxes with ARIA roles) and export them directly into a **structured CSV file**. It enables:

- Extraction of large amounts of data from any webpage.
- Preservation of row and column structure in the CSV.
- Easy, click-based selection without coding.
- Support for both real checkboxes and modern web application pseudo-checkboxes.

This solution simplifies and automates the process of extracting large datasets into a structured, usable format.

Overview

The **Checkbox Exporter** is a Chrome extension designed to help you **export selected checkboxes from web pages into a CSV file**. It supports both:

- **Real checkboxes** (`<input type="checkbox">`)
- **ARIA/pseudo checkboxes** (`role="checkbox"` with `aria-checked` attribute)

This tool preserves the column structure of the rows and works on modern web applications with dynamic content.

Features

1. **Blue Floating Export Bubble**
 - Appears at the bottom-right of every page.
 - Click the bubble to export selected checkboxes into a CSV.
2. **Supports Real and ARIA/Pseudo Checkboxes**
 - Detects standard HTML checkboxes.

- Detects pseudo-checkboxes implemented with `role="checkbox"` and `aria-checked="true"`.

3. Row Container Detection

- Maps each selected checkbox to its closest row container (`tr`, `li`, `div.row`, `article`, `section`, etc.).
- Extracts the text content of each row cell to build the CSV.

4. Automatic Column Handling

- Groups cells based on their horizontal positions.
- Maintains column order similar to how they appear on the page.
- Adds headers automatically if detectable; otherwise uses Column 1, Column 2, ...

5. Simple CSV Export

- Generates a CSV in memory and triggers a download immediately.
- Supports thousands of rows per page.

6. Dynamic Content Friendly

- Works on pages where rows or checkboxes are loaded dynamically.
- Automatically detects visible checkboxes at the time of export.

7. Cross-page Limitations

- This version **exports checkboxes on the current page only**.
 - To export multiple pages, navigate to each page, select checkboxes, and export separately.
-

How to Use

Installation

1. Download and extract the provided `checkbox-exporter.zip`.
2. Open Chrome and go to `chrome://extensions/`.
3. Enable **Developer Mode**.
4. Click **Load unpacked** and select the extracted folder.
5. The extension is now active on all websites.

Exporting Data

1. Navigate to the web page containing the checkboxes you want to export.
2. Select the checkboxes you wish to export.
3. Click the **blue bubble** at the bottom-right corner.
4. A CSV file (`checkbox_export.csv`) will automatically download.

Notes

- Only **checked checkboxes** are included in the export.
 - Pseudo-checkboxes must have `role="checkbox"` and `aria-checked="true"` to be detected.
 - The extension **preserves row structure and columns** as detected on the page.
 - For very large pages with thousands of rows, exporting may take a few seconds.
-

Tips for Effective Data Extraction

1. **Check all visible checkboxes** you want to include before clicking the bubble.
 2. **Scroll through lazy-loaded pages** to ensure all rows you want are rendered in the DOM.
 3. If the page uses **dynamic or virtualized tables**, ensure all rows are visible; otherwise, only visible rows are exported.
 4. The CSV can be opened in Excel, Google Sheets, or any spreadsheet application.
-

This extension is designed to make **data extraction simple and reliable** for modern web pages without requiring any coding or scraping tools.