

## Automated Web Data Extraction Agent (RPA)

**Overview:** This Robotic Process Automation (RPA) solution is designed to seamlessly extract structured data from web environments where traditional API access is unavailable. It acts as an automated agent that navigates websites, identifies key information, and compiles it into a clean, ready-to-use format.

### Key Features:

- **Zero-API Dependency:** Extracts data directly from the user interface (UI), bypassing the need for complex backend integrations.
- **Automated Structuring:** Instantly organizes raw web data into formatted Excel spreadsheets, complete with standardized headers and auto-adjusted columns for immediate readability.
- **High-Speed Execution:** Significantly reduces manual data entry time while eliminating human error.

### Practical Business Use Cases:

- **B2B & Supplier Operations:** Automatically aggregate pricing and inventory data from multiple vendor portals to optimize purchasing decisions, streamline logistics, and avoid manual rework.
- **B2C & Smart Market Analysis:** Monitor competitor catalogs, track dynamic pricing, and gather market intelligence to adjust retail strategies and ensure smart shopping experiences for end-users.

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#### Flujos

##### Mis flujos



Nombre

Modificado

Estado



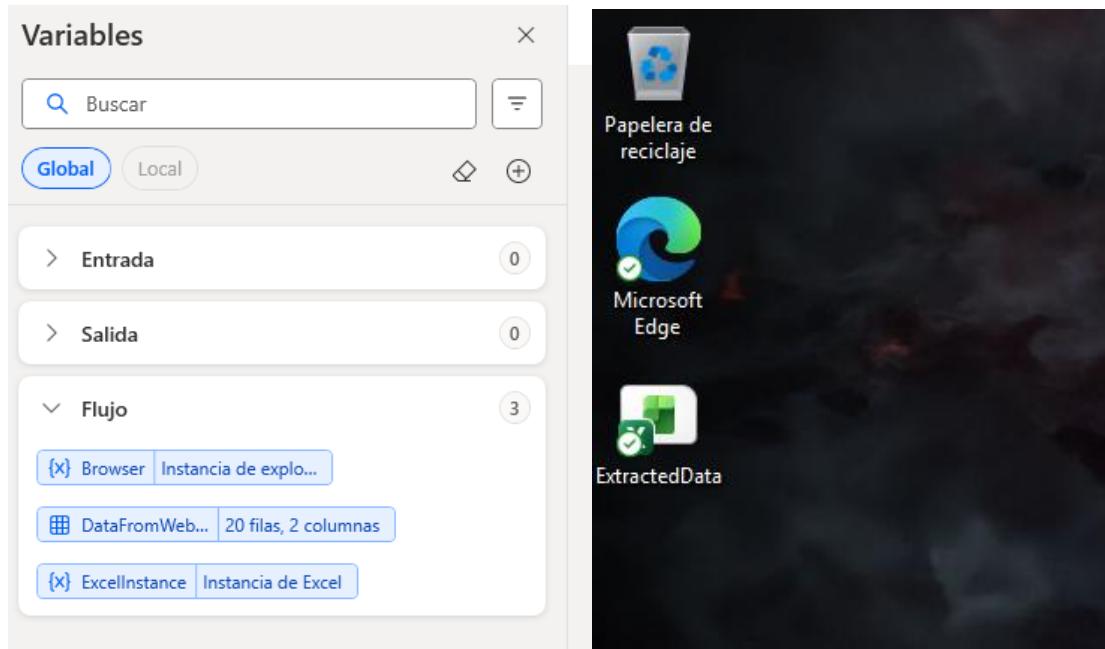
WebDataExtraction\_ToExcel

Hace < 1 minuto

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#### Flow Screen



Flow structure and destination of the generated file.

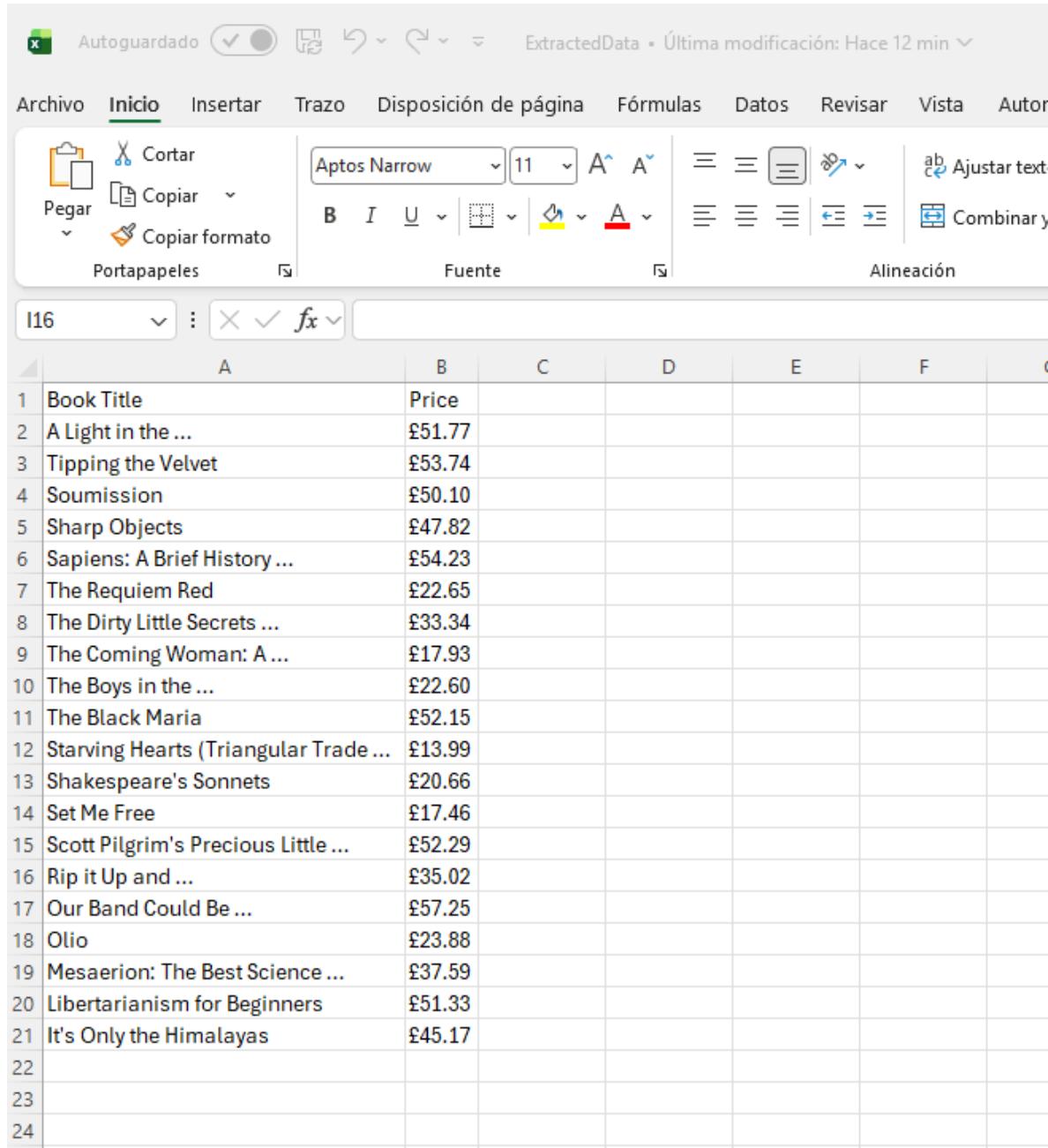
The screenshot shows a web browser window with the following details:

- Address Bar:** All products | Books to Scrape - S... | https://books.toscrape.com
- Page Title:** Books to Scrape We love being scraped!
- Left Sidebar:** Books category tree
  - Travel
  - Mystery
  - Historical Fiction
  - Sequential Art
  - Classics
  - Philosophy
  - Romance
  - Womens Fiction
  - Fiction
  - Childrens
  - Religion
  - Nonfiction
  - Music
  - Default
  - Science Fiction
  - Sports and Games
  - Add a comment
  - Fantasy
  - New Adult
  - Young Adult
  - Science
  - Poetry
  - Paranormal
  - Art
  - Psychology
  - Autobiography
  - Parenting
  - Adult Fiction
- Main Content:** All products
  - 1000 results - showing 1 to 20.
  - Warning! This is a demo website for web scraping purposes. Prices and ratings here were randomly assigned and have no real meaning.
  - Product cards (4 shown):
 

Image	Title	Rating	Price	Status	Action
	A Light in the Attic	★★★★★	£51.77	✓ In stock	Add to basket
	Tipping the Velvet	★★★★★	£53.74	✓ In stock	Add to basket
	Sharp Objects	★★★★★	£47.82	✓ In stock	Add to basket
	Submission	★★★★★	£50.10	✓ In stock	Add to basket

Website from which information is extracted.

Resulting file with all the data from the Web Page that was programmed to extract.



The screenshot shows a Microsoft Excel spreadsheet titled "ExtractedData". The ribbon menu is visible at the top, with "Inicio" selected. The table below contains 24 rows of data, with columns A and B labeled. The data lists various book titles and their prices.

	A	B	C	D	E	F	G
1	Book Title	Price					
2	A Light in the ...	£51.77					
3	Tipping the Velvet	£53.74					
4	Soumission	£50.10					
5	Sharp Objects	£47.82					
6	Sapiens: A Brief History ...	£54.23					
7	The Requiem Red	£22.65					
8	The Dirty Little Secrets ...	£33.34					
9	The Coming Woman: A ...	£17.93					
10	The Boys in the ...	£22.60					
11	The Black Maria	£52.15					
12	Starving Hearts (Triangular Trade ...	£13.99					
13	Shakespeare's Sonnets	£20.66					
14	Set Me Free	£17.46					
15	Scott Pilgrim's Precious Little ...	£52.29					
16	Rip it Up and ...	£35.02					
17	Our Band Could Be ...	£57.25					
18	Olio	£23.88					
19	Mesaerion: The Best Science ...	£37.59					
20	Libertarianism for Beginners	£51.33					
21	It's Only the Himalayas	£45.17					
22							
23							
24							

## Agente Automatizado de Extracción de Datos Web (RPA)

**Resumen:** Esta solución de Automatización Robótica de Procesos (RPA) está diseñada para extraer datos estructurados de entornos web donde el acceso a una API tradicional no está disponible. Funciona como un agente automatizado que navega por sitios web, identifica información clave y la recopila en un formato limpio y listo para usarse.

### Características Clave:

- **Independencia de APIs:** Extrae datos directamente de la interfaz de usuario (UI), evitando la necesidad de integraciones complejas en el backend.
- **Estructuración Automatizada:** Organiza instantáneamente los datos web sin procesar en hojas de cálculo de Excel formateadas, con encabezados estandarizados y columnas autoajustables para su lectura inmediata.
- **Ejecución de Alta Velocidad:** Reduce drásticamente el tiempo de entrada manual de datos y elimina los errores humanos.

### Casos de Uso Prácticos para Negocios:

- **Operaciones B2B y Logística:** Recopila automáticamente datos de precios e inventarios de múltiples portales de proveedores para optimizar las decisiones de compra, agilizar la logística y evitar retrabajos operativos.
- **B2C y Análisis de Mercado Inteligente:** Monitorea catálogos de competidores, rastrea precios dinámicos y recopila inteligencia de mercado para ajustar estrategias de venta y asegurar compras inteligentes.

### Flujos

#### Mis flujos



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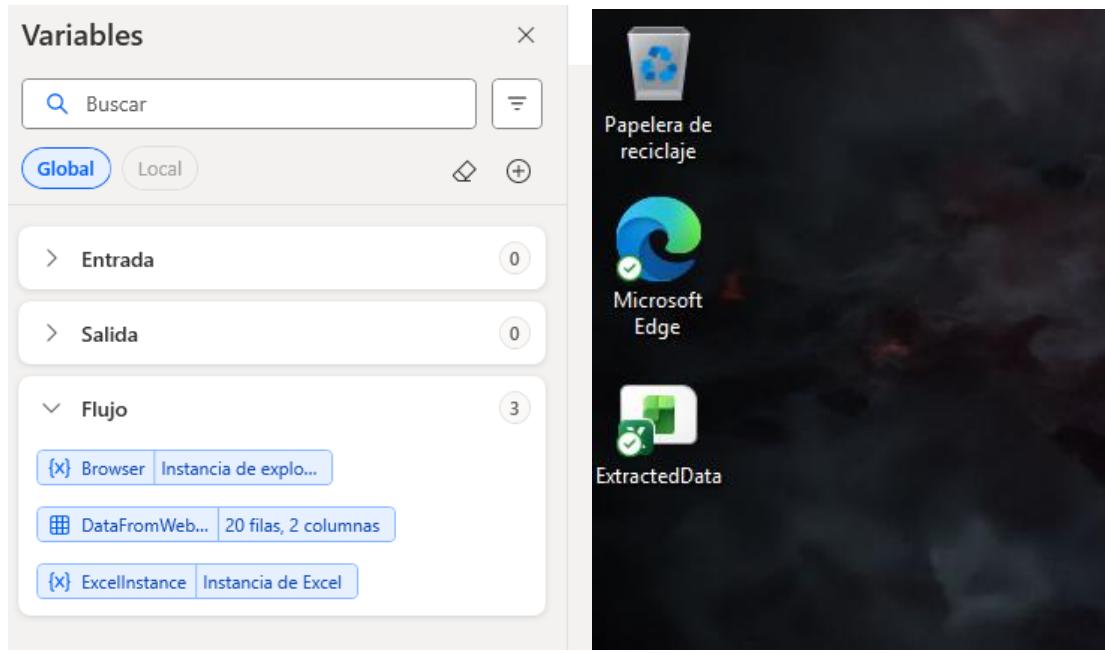


WebDataExtraction\_ToExcel

Hace < 1 minuto

Se está editando

### Pantalla de Flujo



Estructura de flujo y destino del archivo generado.

The screenshot shows a web browser window displaying the 'Books to Scrape' website at <https://books.toscrape.com>. The page title is 'Books to Scrape We love being scraped!'. The URL in the address bar is 'All products | Books to Scrape - Site Title'.

The page content includes:

- A sidebar on the left with a 'Books' category tree:
  - Travel
  - Mystery
  - Historical Fiction
  - Sequential Art
  - Classics
  - Philosophy
  - Romance
  - Womens Fiction
  - Fiction
  - Childrens
  - Religion
  - Nonfiction
  - Music
  - Default
  - Science Fiction
  - Sports and Games
  - Add a comment
  - Fantasy
  - New Adult
  - Young Adult
  - Science
  - Poetry
  - Paranormal
  - Art
  - Psychology
  - Autobiography
  - Parenting
  - Adult Fiction
- A main area titled 'All products' showing 1000 results from 1 to 20. A warning message states: 'Warning! This is a demo website for web scraping purposes. Prices and ratings here were randomly assigned and have no real meaning.' It lists four book items:
 

Book	Rating	Price	Status	Action
A Light in the Attic	★★★★★	£51.77	In stock	Add to basket
Tipping the Velvet	★★★★★	£53.74	In stock	Add to basket
Submission	★★★★★	£50.10	In stock	Add to basket
Sharp Objects	★★★★★	£47.82	In stock	Add to basket

Página Web de donde se extrae información.

Archivo resultante con todos los datos de la Pagina Web que se programó extraer.

The screenshot shows a Microsoft Excel spreadsheet titled "ExtractedData". The ribbon menu is visible at the top, with "Inicio" selected. The toolbar includes standard options like Cut, Copy, Paste, and Font/Font Size (11pt). The table below contains 24 rows of data, with columns A and B labeled. The data lists various book titles and their prices.

	A	B	C	D	E	F	G
1	Book Title	Price					
2	A Light in the ...	£51.77					
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