

# WEB SCRAPING TEAM

## Product Scraper: Detailed Setup and Execution Guide

This document provides step-by-step instructions for setting up the environment and running the Woolworths or Coles product scraper script, from environment setup to generating the final CSV file.

Prerequisites:	Files Required:
beautifulsoup4 configparser selenium	configuration.ini scraper_woolworths.ipynb scraper_coles.ipynb

### 1. Environment Setup

#### 1.1 Install Python

Ensure Python is installed on your machine. You can download it from the [official Python website](#).

#### 1.2 Install Required Libraries

Install the required Python libraries using pip. Open a terminal or command prompt and execute the following command:

```
pip install selenium beautifulsoup4
```

#### 1.3 Install WebDriver

Download the Edge WebDriver that matches the version of Microsoft Edge installed on your system. You can download it from the [Microsoft Edge WebDriver page](#).

Extract the downloaded file and ensure the msedgedriver.exe is available in a directory included in your system's PATH.

### 2. Configuration Setup

#### 2.1 Create Configuration File

Create a configuration file named configuration.ini in the same directory as your script. Add the following content to it:

```
[Global]
save_location = C:\Groceries
```

```
[Coles]
clickandcollectsuburb = perth
delayseconds = 3
ignoredcategories = christmas, bonus-bbq-credits, on-special, down-down, tobacco, liquor, pet,
baby, bonus-characters

[Woolworths]
delayseconds = 3
ignoredcategories = christmas, halloween, front-of-store, liquor, healthy-life-pharmacy, lunch-
box, pet, baby, health-wellness
resume_active = FALSE
resume_category = Dairy, Eggs & Fridge
resume_page = 79
```

## 2.2 Adjust Configurations

Adjust the configurations as needed:

- DelaySeconds: Delay time between actions (in seconds).
- IgnoredCategories: Categories to ignore during scraping.
- Resume\_Active: Set to TRUE if you want to resume from a previous state.
- Resume\_Category: The category to resume from (used if Resume\_Active is TRUE).
- Resume\_Page: The page number to resume from (used if Resume\_Active is TRUE).

## 3. Script Setup

### 3.1 Prepare the Script

Create a new Python script file, for example, `woolworths_scraper.ipynb`, and add the following code from git.

## 4. Running the Script

### 4.1 Navigate to the Script Directory

Open a terminal or command prompt and navigate to the directory containing your `woolworths_scraper.py` script:

```
cd path/to/your/script
```

### 4.2 Execute the Script

Run the script using Python:

```
python woolworths_scraper.py
```

Run the script using Jupyter Notebook:

Run > Run All Cells

## 5. Checking the Output

After the script completes execution, it will generate a CSV file named Woolworths.csv in the specified folder path (as defined by folderpath in the script).

### 5.1 Verify the CSV File

Open the Woolworths.csv file using a spreadsheet application like Microsoft Excel or a text editor to ensure the data has been recorded correctly.

Product Code	Category	Item Name	Best Price	Best Unit Pri	Item Price	Unit Price	Price Was	Special Text	Complex Pro Link
133211	Fruit & Veg	Cavendish B	\$0.72	\$0.72 / 1EA	\$0.72	\$0.72 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/133211/cavendish-bananas">https://www.woolworths.com.au/shop/productdetails/133211/cavendish-bananas</a>
134034	Fruit & Veg	Fresh Tomat	\$0.98	\$0.98 / 1EA	\$0.98	\$0.98 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/134034/fresh-tomato">https://www.woolworths.com.au/shop/productdetails/134034/fresh-tomato</a>
105919	Fruit & Veg	Fresh Pink Li	\$0.68	\$0.68 / 1EA	\$0.68	\$0.68 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/105919/fresh-pink-lady-apples">https://www.woolworths.com.au/shop/productdetails/105919/fresh-pink-lady-apples</a>
208895	Fruit & Veg	Potato White	\$0.81	\$0.81 / 1EA	\$0.81	\$0.81 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/208895/potato-white-washed">https://www.woolworths.com.au/shop/productdetails/208895/potato-white-washed</a>
144607	Fruit & Veg	Strawberries	\$5.50	\$22.00 / 1KG	\$5.50	\$22.00 / 1KG			<a href="https://www.woolworths.com.au/shop/productdetails/144607/strawberries">https://www.woolworths.com.au/shop/productdetails/144607/strawberries</a>
141410	Fruit & Veg	Mandarin Im	\$0.41	\$0.41 / 1EA	\$0.41	\$0.41 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/141410/mandarin-imperial">https://www.woolworths.com.au/shop/productdetails/141410/mandarin-imperial</a>
144329	Fruit & Veg	Onion Brown	\$0.59	\$0.59 / 1EA	\$0.59	\$0.59 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/144329/onion-brown">https://www.woolworths.com.au/shop/productdetails/144329/onion-brown</a>
134681	Fruit & Veg	Fresh Brocco	\$1.29	\$1.29 / 1EA	\$1.29	\$1.29 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/134681/fresh-broccoli">https://www.woolworths.com.au/shop/productdetails/134681/fresh-broccoli</a>
135344	Fruit & Veg	Carrot Fresh	\$0.35	\$0.35 / 1EA	\$0.35	\$0.35 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/135344/carrot-fresh">https://www.woolworths.com.au/shop/productdetails/135344/carrot-fresh</a>
170225	Fruit & Veg	Green Zuch	\$0.78	\$0.78 / 1EA	\$0.78	\$0.78 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/170225/green-zucchini">https://www.woolworths.com.au/shop/productdetails/170225/green-zucchini</a>
169438	Fruit & Veg	Truss Tomat	\$1.47	\$1.47 / 1EA	\$1.47	\$1.47 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/169438/truss-tomatoes">https://www.woolworths.com.au/shop/productdetails/169438/truss-tomatoes</a>
144497	Fruit & Veg	Onion Red E	\$0.68	\$0.68 / 1EA	\$0.68	\$0.68 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/144497/onion-red">https://www.woolworths.com.au/shop/productdetails/144497/onion-red</a>
149864	Fruit & Veg	Tomato Rom	\$0.98	\$0.98 / 1EA	\$0.98	\$0.98 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/149864/tomato-roma-red">https://www.woolworths.com.au/shop/productdetails/149864/tomato-roma-red</a>
135369	Fruit & Veg	Woolworths	\$2.40	\$2.40 / 1KG	\$2.40	\$2.40 / 1KG			<a href="https://www.woolworths.com.au/shop/productdetails/135369/woolworths-australian-grown-carrots">https://www.woolworths.com.au/shop/productdetails/135369/woolworths-australian-grown-carrots</a>
130935	Fruit & Veg	Fresh Grann	\$0.79	\$0.79 / 1EA	\$0.79	\$0.79 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/130935/fresh-granny-smith-apples">https://www.woolworths.com.au/shop/productdetails/130935/fresh-granny-smith-apples</a>
186910	Fruit & Veg	Avocado She	\$1.00	\$1.00 / 1EA	\$1.00	\$1.00 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/186910/avocado-shepard">https://www.woolworths.com.au/shop/productdetails/186910/avocado-shepard</a>
137130	Fruit & Veg	Lebanese Cu	\$1.24	\$1.24 / 1EA	\$1.24	\$1.24 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/137130/lebanese-cucumbers">https://www.woolworths.com.au/shop/productdetails/137130/lebanese-cucumbers</a>
147071	Fruit & Veg	Sweet Potat	\$1.35	\$1.35 / 1EA	\$1.35	\$1.35 / 1EA		PRICES DROF WAS \$4.50K	<a href="https://www.woolworths.com.au/shop/productdetails/147071/sweet-potato-gold">https://www.woolworths.com.au/shop/productdetails/147071/sweet-potato-gold</a>
149620	Fruit & Veg	Woolworths	\$3.50	\$14.00 / 1KG	\$3.50	\$14.00 / 1KG			<a href="https://www.woolworths.com.au/shop/productdetails/149620/woolworths-cherry-tomatoes-punnet">https://www.woolworths.com.au/shop/productdetails/149620/woolworths-cherry-tomatoes-punnet</a>
135156	Fruit & Veg	Capsicum Gr	\$2.23	\$2.23 / 1EA	\$2.23	\$2.23 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/135156/capsicum-green">https://www.woolworths.com.au/shop/productdetails/135156/capsicum-green</a>
155003	Fruit & Veg	Apple Royal	\$0.56	\$0.56 / 1EA	\$0.56	\$0.56 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/155003/apple-royal-gala">https://www.woolworths.com.au/shop/productdetails/155003/apple-royal-gala</a>
135306	Fruit & Veg	Red Capsicu	\$3.23	\$3.23 / 1EA	\$3.23	\$3.23 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/135306/red-capsicum">https://www.woolworths.com.au/shop/productdetails/135306/red-capsicum</a>
157649	Fruit & Veg	East Later Cav	\$0.72	\$0.72 / 1EA	\$0.72	\$0.72 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/157649/east-later-cavendish-bananas">https://www.woolworths.com.au/shop/productdetails/157649/east-later-cavendish-bananas</a>
137102	Fruit & Veg	Woolworths	\$2.90	\$2.90 / 1EA	\$2.90	\$2.90 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/137102/woolworths-continental-cucumbers">https://www.woolworths.com.au/shop/productdetails/137102/woolworths-continental-cucumbers</a>
120384	Fruit & Veg	Woolworths	\$7.70	\$7.70 / 1EA	\$7.70	\$7.70 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/120384/woolworths-red-watermelon-cut-quarter">https://www.woolworths.com.au/shop/productdetails/120384/woolworths-red-watermelon-cut-quarter</a>
259450	Fruit & Veg	Orange Nave	\$1.49	\$1.49 / 1EA	\$1.49	\$1.49 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/259450/orange-navel">https://www.woolworths.com.au/shop/productdetails/259450/orange-navel</a>
727144	Fruit & Veg	Woolworths	\$4.00	\$20.00 / 1KG	\$4.00	\$20.00 / 1KG			<a href="https://www.woolworths.com.au/shop/productdetails/727144/woolworths-solanato-tomato-punnet">https://www.woolworths.com.au/shop/productdetails/727144/woolworths-solanato-tomato-punnet</a>
165262	Fruit & Veg	Raspberries	\$3.90	\$31.20 / 1KG	\$3.90	\$31.20 / 1KG			<a href="https://www.woolworths.com.au/shop/productdetails/165262/driscoll-s-raspberries-punnet">https://www.woolworths.com.au/shop/productdetails/165262/driscoll-s-raspberries-punnet</a>
524322	Fruit & Veg	Woolworths	\$2.20	\$18.33 / 1KG	\$2.20	\$18.33 / 1KG		PRICES DROF WAS \$3 - 27	<a href="https://www.woolworths.com.au/shop/productdetails/524322/woolworths-baby-leaf-spinach">https://www.woolworths.com.au/shop/productdetails/524322/woolworths-baby-leaf-spinach</a>
144336	Fruit & Veg	Woolworths	\$2.50	\$2.50 / 1KG	\$2.50	\$2.50 / 1KG		PRICES DROF WAS \$3.60 -	<a href="https://www.woolworths.com.au/shop/productdetails/144336/woolworths-onion-brown-bag">https://www.woolworths.com.au/shop/productdetails/144336/woolworths-onion-brown-bag</a>
120080	Fruit & Veg	Hass Avocad	\$1.30	\$1.30 / 1EA	\$1.30	\$1.30 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/120080/hass-avocado">https://www.woolworths.com.au/shop/productdetails/120080/hass-avocado</a>
147603	Fruit & Veg	Spring Onion	\$2.50	\$2.50 / 1EA	\$2.50	\$2.50 / 1EA		PRICES DROF WAS \$2.80 -	<a href="https://www.woolworths.com.au/shop/productdetails/147603/spring-onion-eschallot">https://www.woolworths.com.au/shop/productdetails/147603/spring-onion-eschallot</a>
154340	Fruit & Veg	Iceberg Lettu	\$2.90	\$2.90 / 1EA	\$2.90	\$2.90 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/154340/iceberg-lettuce">https://www.woolworths.com.au/shop/productdetails/154340/iceberg-lettuce</a>
713429	Fruit & Veg	Garlic Head I	\$1.65	\$1.65 / 1EA	\$1.65	\$1.65 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/713429/woolworths-garlic-head">https://www.woolworths.com.au/shop/productdetails/713429/woolworths-garlic-head</a>
310968	Fruit & Veg	Woolworths	\$3.90	\$3.90 / 1KG	\$3.90	\$3.90 / 1KG			<a href="https://www.woolworths.com.au/shop/productdetails/310968/woolworths-fresh-pink-lady-apples-punnet">https://www.woolworths.com.au/shop/productdetails/310968/woolworths-fresh-pink-lady-apples-punnet</a>
138082	Fruit & Veg	Ginger Fresh	\$27.00	\$27.00 / 1KG	\$27.00	\$27.00 / 1KG			<a href="https://www.woolworths.com.au/shop/productdetails/138082/ginger-fresh">https://www.woolworths.com.au/shop/productdetails/138082/ginger-fresh</a>
829360	Fruit & Veg	The Odd Bun	\$2.30	\$2.30 / 1EA	\$2.30	\$2.30 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/829360/the-odd-bunch-continental-cucumber">https://www.woolworths.com.au/shop/productdetails/829360/the-odd-bunch-continental-cucumber</a>
139238	Fruit & Veg	Kiwi Fruit Gr	\$0.79	\$0.79 / 1EA	\$0.79	\$0.79 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/139238/kiwi-fruit-green">https://www.woolworths.com.au/shop/productdetails/139238/kiwi-fruit-green</a>
829107	Fruit & Veg	Mandarin An	\$0.66	\$0.66 / 1EA	\$0.66	\$0.66 / 1EA			<a href="https://www.woolworths.com.au/shop/productdetails/829107/mandarin-amorette-seedless">https://www.woolworths.com.au/shop/productdetails/829107/mandarin-amorette-seedless</a>