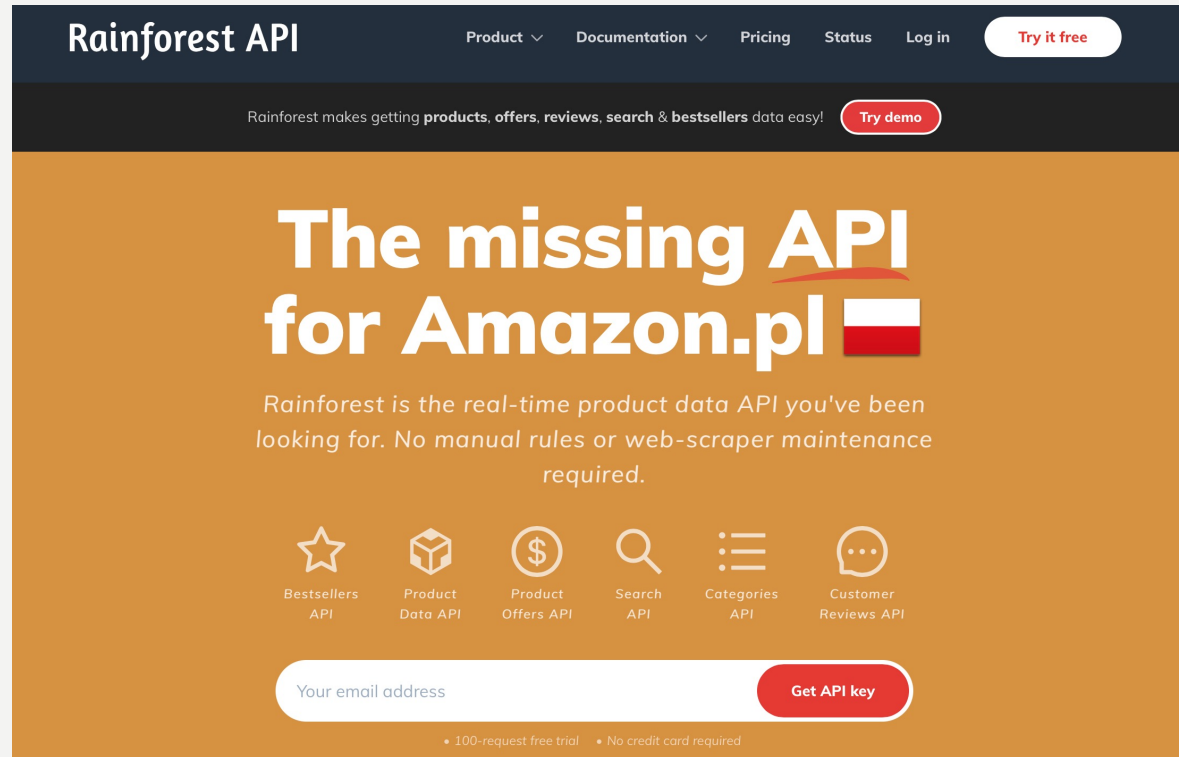


SMART PET FEEDERS

PRODUCT SELECTION

I DATA EXTRACTION READY APIS





- https://www.rainforestapi.com/?gclid=Cj0KCQiAlpyCBhCtARIsAHaY_5frYrLaNR5eug0XMIlJpb_KkAl-7LPjZkgq9SPJazAdrspvBdlL_isaAoqPEALw_wcB

I DATA EXTRACTION WEB SCRAPING TOOLS

The screenshot displays the 'Scraper' application interface. On the left is a vertical sidebar with navigation icons for Dashboard, Scraper, Setup, BuyCredit, Account, API, Help, and Logout. The main content area is titled '1 Scrapers' and contains a search bar and a list of scrapers. The 'Amazon Review Scraper' is selected, showing its details and a table of job history.

At the top right of the main area, there are links for 'Need Help to Setup Scraper' and '+ Create New Scraper'. Below these, for the 'Amazon Review Scraper', there are buttons for 'Run Scraper', 'Go to selector', and 'Settings', along with a 'How to use' link.

The 'Job History' tab is active, displaying a table with the following data:

Status	Date/Time	Duration	Pages	Success	Failed	Total Rows	Action
✓ Finished	06/19/2020 05:48:25	00:00:23	1	1	0	10	 

An orange arrow labeled '1' points to the download icon in the 'Action' column. A dropdown menu is open, showing 'JSON' and 'CSV' options. Another orange arrow labeled '2' points to the eye icon in the 'Action' column.

I. DATA EXTRACTION

MANUAL WEB SCRAPPING

In the Netherlands

Amazon.nl
Pets place
Bol.com
Zooplus.nl

Ads · Browse smart pet feeders

WiFi Smart Pet Feeder Pet...
€89.99
Amazon.nl
Free shipping
By Google

Navaris Automatische...
€68.99
Amazon.nl
Free shipping
By Google

Petoneer Vision - Voerautoma...
€96.99
bol.com
Free shipping
By beslist.nl

PETKIT Slimme voerdispenser...
€119.00
Amazon.nl
Free shipping
By Google

Surefeed Microchip...
€139.99
Pets Place
Free shipping
By Bigshopper

I. AMAZON.NL

Details:
Python
BeautifulSoup

Sorted pages by reviews

	Name	Rating	No_Users_Rated	Price
0	honeyguardan A36 Automatic feeding machine fo...	4.7 out of 5 stars	598	64.99
1	Amazon Basics feeder and water bowl, small	4.6 out of 5 stars	6,146	16.59
2	PUPPY KITTY Automatic Feeder for Cat and Dog, ...	4.6 out of 5 stars	2,250	62.99
3	XIAPIA Feeding Machine Cats Feeding Boxes and ...	4.6 out of 5 stars	2,045	24.99
4	6 Liters Smart Pet Feeds for Dog and Cat Food ...	4.6 out of 5 stars	1,006	56.80
5	Navaris Automatic feeding machine with timer -...	4.6 out of 5 stars	674	68.99
6	DDOXX Double Feeder Box Non-Slip Many Colours ...	4.6 out of 5 stars	511	29.99
7	Karner Organic chicken food 30 kg, by Bio Hof	4.6 out of 5 stars	87	34.90
8	Ferplast 71970099W1 Dry food dispenser for dog...	4.5 out of 5 stars	2,427	19.20
9	DDOXX Dog Feeding Bowl Non-Slip Many Colours a...	4.5 out of 5 stars	345	25.99
10	Navaris Automatic feeding bowl with drinking s...	4.5 out of 5 stars	253	39.99
11	PetSafe Eatwell Food Dispenser for 5 Meals Foo...	4.4 out of 5 stars	7,250	42.95
12	PetSafe Smart Feed Automatic Dog and Cat Feed,...	4.4 out of 5 stars	4,371	192.92
13	AmazonBasics feeder,small	4.4 out of 5 stars	3,134	14.39

II DATA ANALYSIS

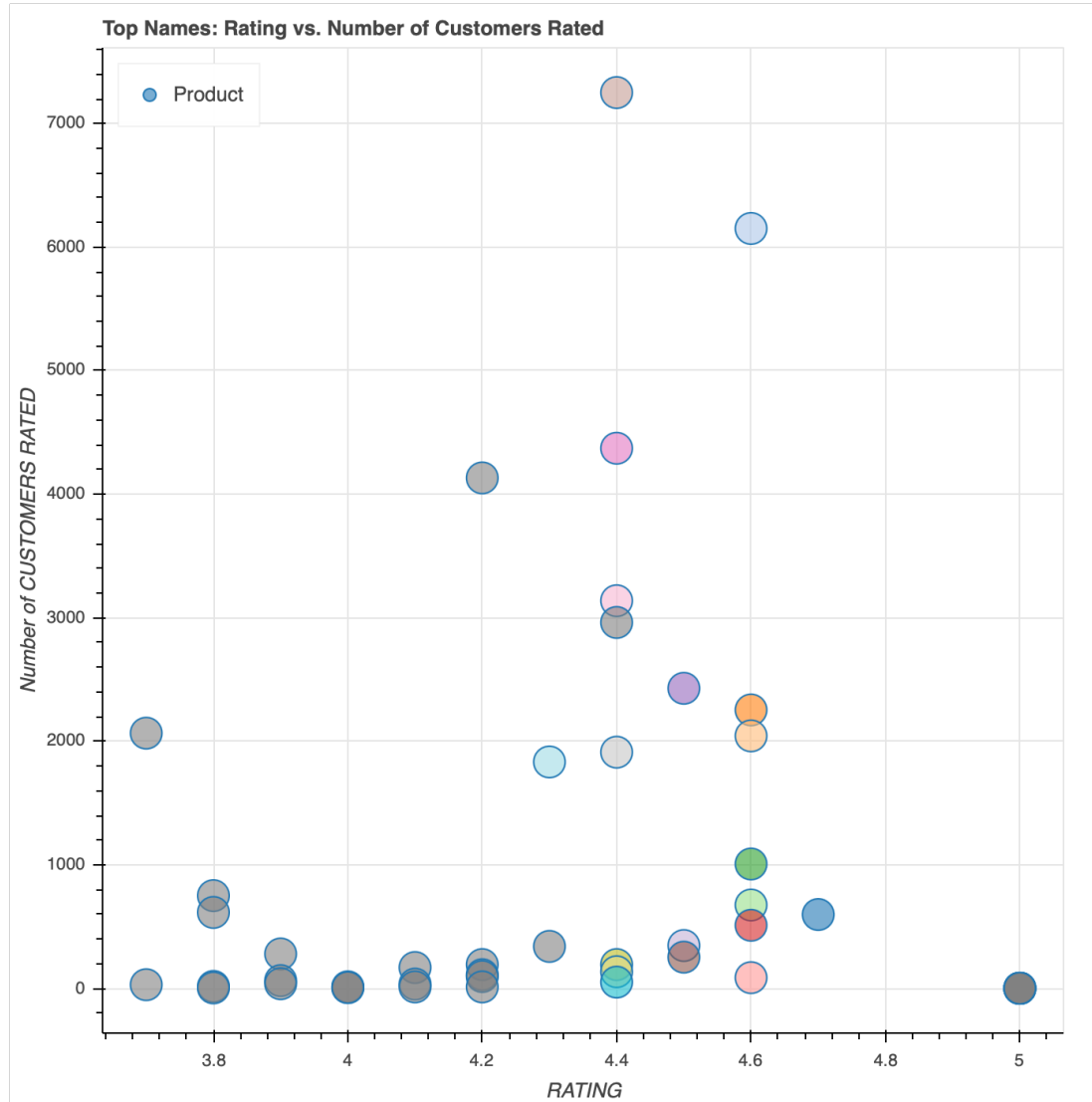
SORTING BY RATING, PRICE

	Name	Rating	No_Users_Rated	Price	New_rating
40	5 Pieces Parrot Bath, Shower Pet Cage Aviary W...	5.0 out of 5 stars	1	10.64	5.0
45	JKGHK Ceramic Small Animal Bowl Hamster Feedin...	5.0 out of 5 stars	1	14.99	5.0
46	Homemaxs 1.8L drink- en aanvoerset, niet-natte...	5.0 out of 5 stars	1	22.87	5.0
43	Wi-Fi Automatic Feeder For Pets 6L Voice Car D...	5.0 out of 5 stars	1	222.99	5.0
35	Automatic Aquarium Feeder, Float Feeding Circl...	5.0 out of 5 stars	2	24.98	5.0
42	Kattenfontein, Plastic Bubble Pets Water Voerb...	5.0 out of 5 stars	1	44.89	5.0
44	TopHGC TopHGC Automatische konijnenvoeders, 50...	5.0 out of 5 stars	1	9.99	5.0
0	honeyguardan A36 Automatic feeding machine fo...	4.7 out of 5 stars	598	64.99	4.7
1	Amazon Basics feeder and water bowl, small	4.6 out of 5 stars	6,146	16.59	4.6
3	XIAPIA Feeding Machine Cats Feeding Boxes and ...	4.6 out of 5 stars	2,045	24.99	4.6
6	DDOXX Double Feeder Box Non-Slip Many Colours ...	4.6 out of 5 stars	511	29.99	4.6
7	Karner Organic chicken food 30 kg, by Bio Hof	4.6 out of 5 stars	87	34.90	4.6
4	6 Liters Smart Pet Feeds for Dog and Cat Food ...	4.6 out of 5 stars	1,006	56.80	4.6
2	PUPPY KITTY Automatic Feeder for Cat and Dog, ...	4.6 out of 5 stars	2,250	62.99	4.6
5	Navaris Automatic feeding machine with timer -...	4.6 out of 5 stars	674	68.99	4.6
8	Ferplast 71970099W1 Dry food dispenser for dog...	4.5 out of 5 stars	2,427	19.20	4.5
9	DDOXX Dog Feeding Bowl Non-Slip Many Colours a...	4.5 out of 5 stars	345	25.99	4.5

We don't have much data about reviews.
However we have prices for all items, that can
help in further price selection

```
df.sort_values(['No_Users_Rated', 'Price'], ascending=[False, True])
```

	Name	Rating	No_Users_Rated	Price	New_rating
11	PetSafe Eatwell Food Dispenser for 5 Meals Foo...	4.4 out of 5 stars	7249.0	42.95	4.4
1	Amazon Basics feeder and water bowl, small	4.6 out of 5 stars	6148.0	16.59	4.6
12	PetSafe Smart Feed Automatic Dog and Cat Feed,...	4.4 out of 5 stars	4371.0	192.92	4.4
21	Trixie 24372 Feeding Automatic TX2, 2 x 300 ml...	4.2 out of 5 stars	4132.0	16.58	4.2
13	AmazonBasics feeder,small	4.4 out of 5 stars	3136.0	14.39	4.4
14	Cat Mate Food Dispenser C20 L: 26 cm W: 21 cm	4.4 out of 5 stars	2962.0	0	4.4
8	Ferplast 71970099W1 Dry food dispenser for dog...	4.5 out of 5 stars	2427.0	19.20	4.5
2	PUPPY KITTY Automatic Feeder for Cat and Dog, ...	4.6 out of 5 stars	2251.0	62.99	4.6
34	PetSafe Automatic Vehicle with Timer, 2 Meals ...	3.7 out of 5 stars	2066.0	31.00	3.7
3	XIAPIA Feeding Machine Cats Feeding Boxes and ...	4.6 out of 5 stars	2046.0	24.99	4.6
15	Cat Mate C300 Automatic Feeding Dispenser for ...	4.4 out of 5 stars	1911.0	39.99	4.4
19	SureFeed Airtight feeding shell, white.	4.3 out of 5 stars	1832.0	54.17	4.3
4	6 Liters Smart Pet Feeds for Dog and Cat Food ...	4.6 out of 5 stars	1006.0	56.80	4.6
31	Relaxdays Water and feed dispenser, feeding ma...	3.8 out of 5 stars	750.0	23.34	3.8
5	Navaris Automatic feeding machine with timer -...	4.6 out of 5 stars	674.0	68.99	4.6
32	Trixie 4011905054452 Food And Water Dispenser,...	3.8 out of 5 stars	615.0	3.90	3.8
0	honeyguardan A36 Automatic feeding machine fo...	4.7 out of 5 stars	598.0	64.99	4.7
6	DDOXX Double Feeder Box Non-Slip Many Colours ...	4.6 out of 5 stars	511.0	29.99	4.6
9	DDOXX Dog Feeding Bowl Non-Slip Many Colours a...	4.5 out of 5 stars	345.0	25.99	4.5
20	Pedy Automatic Feeder with 4 Feeder Compartmen...	4.3 out of 5 stars	340.0	36.99	4.3
27	DADYPET Automatic pet feeding machine with LCD...	3.9 out of 5 stars	279.0	59.99	3.9



II VIZUALIZATION

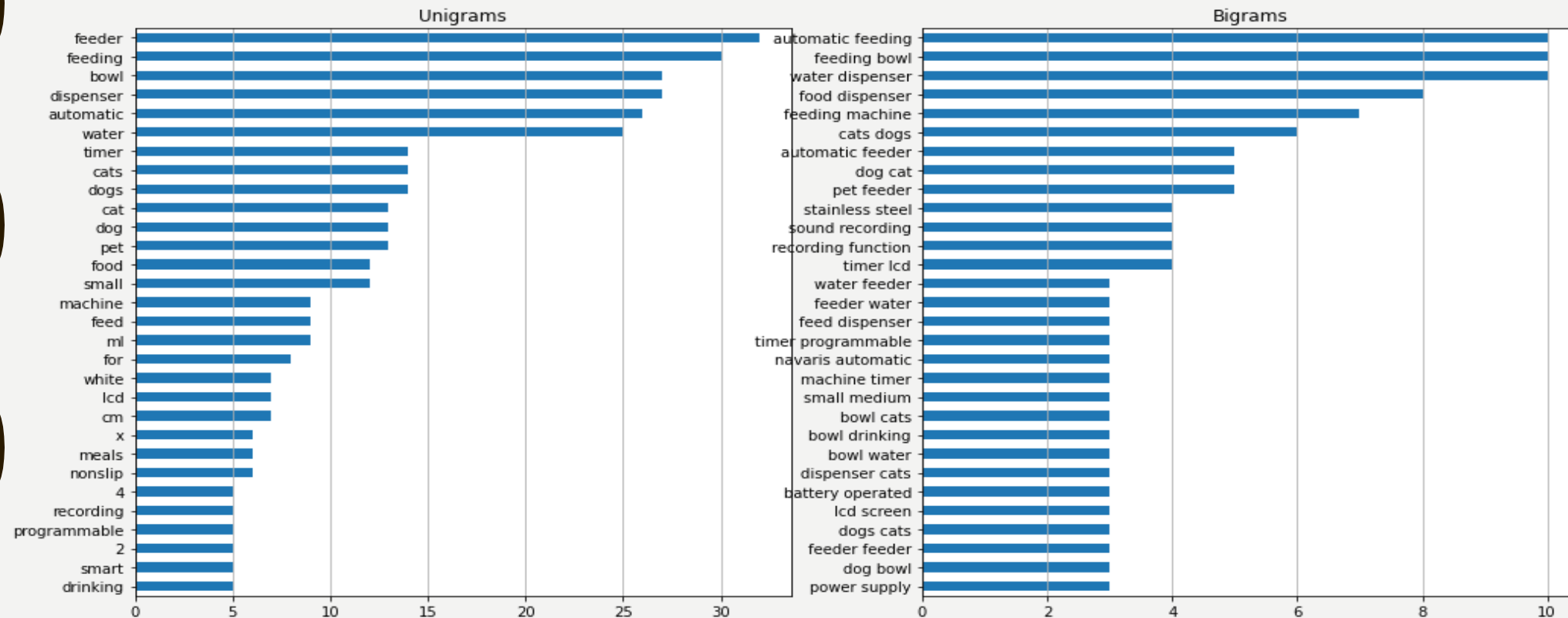
II PRICE ANALYSIS

	mean	std	amin	amax
New_rating				
5.0	50.192857	77.124509	9.99	222.99
4.7	64.990000	NaN	64.99	64.99
4.6	42.178571	20.483796	16.59	68.99
4.5	28.393333	10.601322	19.20	39.99
4.4	51.123750	60.205121	0.00	192.92
4.3	45.580000	12.148095	36.99	54.17
4.2	25.992500	19.181905	14.89	54.71
4.1	42.803333	41.257709	13.53	89.99
4.0	20.580000	4.072383	15.99	23.76
3.9	41.656667	22.188586	16.99	59.99
3.8	16.555000	9.379298	3.90	23.99
3.7	55.495000	34.641161	31.00	79.99

II DATA ANALYSIS

ANALYZING MOST FREQUENT WORDS

Most frequent words



We can see what words more frequently appear. Can extract meaningful patterns as stainless steel, both cats and dogs (universal), sound recording, timer programmable, Navaris,.

II EXTRACTION OF REVIEWS.

```
[[ 'Laura Harvey5.0 out of 5 stars\nGood product and supportive customer services\nReviewed in the United Kingdom on 21 February 2021Verified Purchase\n\n The product is perfect. Easy to use and clean, works very well. Our cat responds very well to the voice recording too. I experienced power supply difficulties which was initially thought to be a faulty unit. When power was restored it caused the unit to dispense several portions of food. This turned out to be a faulty plug and no fault in the unit. The supplier was very supportive in trying to resolve the issue and was in daily contact, they offered a refund or replacement until I rectified the problem with the plug.\n\nRead more\n\nReport abuse\n'] ]
```

FURTHER ANALYSIS

- More websites to scrape
- Collect customer reviews
- Compare price segments to offer competitive prices
- Construct similarity matrix and look at products that are similar to top products