

SAMSUNG

Washing Machine Comparison

Amazon v/s Flipkart

Website Data scraping

Amazon V/S Flipcart

- Website data scraping is the process of extracting data from a website. The reason why we want to scrape a website's data is so we can either monitor the price of our competitors, conduct price intelligence, news monitoring, generate leads, or even complete market research. Using Excel we import data from a website is a great way to take advantage of the free public data available on the web.
- Here we scrap amazon and flipkart data related to SAMSUNG WASHING MACHINE. we monitor the price , reviews, models etc. from both the websites.

Solution

- Scrap data from Amazon and Flipcart by using INSTANT DATA SCRAPER
- Make it in formatted so we can understand data easily.
- Transform data in our specifications and then apply filter
- Compare model in both flipkart and amazon.
- Compare price if same model is available

Methodology

- **Amazon formatted data Sheet**
Transform amazon non-formatted data into formatted data.
- **Flipkart formatted data Sheet**
Transform flipkart non-formatted data to formatted data.
- **Specification Sheet**
Make both formatted data according to our specification.
- **Compare Model sheet**
Now compare data according to you. like - compare best models or price or rating etc.

Goals

1. Scrap Amazon Data and then converted it in understandable format-

--> Convert currency data into currency.

--> Applied conditional formatting.

--> Make in table format so we can sort and filter data and analysis data in a efficient way.

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	https://m.sponsoredlinks.com/let-us-know-samsung-javascript:4.3-out-of-5stars/85									https://www.samsung.com/javascript:4.3-out-of-5stars/85	₹31,150	₹	31,150	₹40,000	(22% off)	Save extra FREE delivery	Thu, 16 Feb Available	Brand In			
3	https://m.sponsoredlinks.com/let-us-know-samsung-javascript:4.7-out-of-5stars/13									https://www.samsung.com/javascript:4.7-out-of-5stars/13	₹41,490	₹	41,490	₹54,500	(24% off)	Save extra FREE delivery	Thu, 16 Feb Available	Brand In			
4	https://m.sponsoredlinks.com/let-us-know-samsung-javascript:4.0-out-of-5stars/76									https://www.samsung.com/javascript:4.0-out-of-5stars/76	₹53,990	₹	53,990	₹69,900	(23% off)		Get it by Thursday,				
5	https://m.₹1,000-couponlinks.com/samsung-javascript:4.4-out-of-5stars/6,570									https://www.samsung.com/javascript:4.4-out-of-5stars/6,570	₹22,490	₹	22,490	₹26,900	(16% off)		with coupon FREE delivery	Available	Brand In		
6	https://m.FREE-deliverylinks.com/samsung-javascript:4.2-out-of-5stars/762									https://www.samsung.com/javascript:4.2-out-of-5stars/762	₹10,690	₹	10,690	₹13,500	(21% off)	Save extra	Thu, 16 Fe				
7	https://m.FREE-deliverylinks.com/samsung-javascript:4.2-out-of-5stars/1,489									https://www.samsung.com/javascript:4.2-out-of-5stars/1,489	₹8,990	₹	8,990	₹9,900	(9% off)	Save extra	Thu, 16 Fe				
8	https://m.FREE-deliverylinks.com/samsung-javascript:4.1-out-of-5stars/512									https://www.samsung.com/javascript:4.1-out-of-5stars/512	₹9,990	₹	9,990	₹12,500	(20% off)	Save extra	Thu, 16 Fe				
9	https://m.FREE-deliverylinks.com/samsung-javascript:4.3-out-of-5stars/415									https://www.samsung.com/javascript:4.3-out-of-5stars/415	₹13,490	₹	13,490	₹17,700	(24% off)	Save extra	Thu, 16 Fe				
10	https://m.₹1,000-couponlinks.com/samsung-javascript:4.3-out-of-5stars/683									https://www.samsung.com/javascript:4.3-out-of-5stars/683	₹36,990	₹	36,990	₹51,800	(29% off)		with coupon FREE delivery				
11	https://m.₹500-couponlinks.com/samsung-javascript:4.3-out-of-5stars/499									https://www.samsung.com/javascript:4.3-out-of-5stars/499	₹27,990	₹	27,990	₹40,300	(31% off)		with coupon FREE delivery	Available	Brand In		

Non Formatted Data

	B	C	D	E	F	G	H	I	J	K	L
1	Image link	Delivery pattern	new offers	Model Name	Rating	Stock	Price	Discount	Last Price	Savings	Delivery report
2	https://m.media-amazon.in/sponsored-links/let-us-know-samsung-6-5-kg-inverter-4-3-out-of-5-stars	Sponsored	Let us know	Samsung 6.5 Kg Inverter	4.3 out of 5 stars	85	₹ 40,000	(22% off)	₹ 31,150	Save extra with No Cost EMI	Thu, 16 Feb, 7:00 am - 9:00 pm
3	https://m.media-amazon.in/sponsored-links/let-us-know-samsung-9-kg-5-star-inverter-4-7-out-of-5-stars	Sponsored	Let us know	Samsung 9 Kg 5 Star Inver	4.7 out of 5 stars	13	₹ 54,500	(24% off)	₹ 41,490	Save extra with No Cost EMI	Thu, 16 Feb, 7:00 am - 9:00 pm
4	https://m.media-amazon.in/sponsored-links/let-us-know-samsung-8-0-kg-6-0-kg-inverter-4-0-out-of-5-stars	Sponsored	Let us know	Samsung 8.0 kg / 6.0 kg	4.0 out of 5 stars	76	₹ 69,900	(23% off)	₹ 53,990		Thursday, February 16
5	https://m.media-amazon.in/coupon-applied-at-checkout-samsung-6-0-kg-inverter-4-4-out-of-5-stars	coupon applied at ch		Samsung 6.0 Kg Inverter	4.4 out of 5 stars	6,570	₹ 26,900	(16% off)	₹ 22,490		Thu, 16 Feb, 7:00 am - 9:00 pm
6	https://m.media-amazon.in/free-delivery-by-samsung-7-0-kg-5-star-inverter-4-2-out-of-5-stars	FREE delivery by		Samsung 7.0 Kg 5 Star Inve	4.2 out of 5 stars	762	₹ 13,500	(21% off)	₹ 10,690	Save extra with No Cost EMI	Thu, 16 Feb, 7:00 am - 9:00 pm
7	https://m.media-amazon.in/free-delivery-by-samsung-6-0-kg-5-star-inverter-4-2-out-of-5-stars	FREE delivery by		Samsung 6.0 Kg 5 Star Inve	4.2 out of 5 stars	1,489	₹ 9,900	(9% off)	₹ 8,990	Save extra with No Cost EMI	Thu, 16 Feb, 7:00 am - 9:00 pm
8	https://m.media-amazon.in/free-delivery-by-samsung-6-5-kg-5-star-inverter-4-1-out-of-5-stars	FREE delivery by		Samsung 6.5 Kg 5 Star Inve	4.1 out of 5 stars	512	₹ 12,500	(20% off)	₹ 9,990	Save extra with No Cost EMI	Thu, 16 Feb, 7:00 am - 9:00 pm
9	https://m.media-amazon.in/free-delivery-by-samsung-8-5-kg-5-star-inverter-4-3-out-of-5-stars	FREE delivery by		Samsung 8.5 kg 5 Star Inve	4.3 out of 5 stars	415	₹ 17,700	(24% off)	₹ 13,490	Save extra with No Cost EMI	Thu, 16 Feb, 7:00 am - 9:00 pm
10	https://m.media-amazon.in/coupon-applied-at-checkout-samsung-8-kg-5-star-air-conditioner-4-3-out-of-5-stars	coupon applied at ch		Samsung 8 Kg 5 Star Air C	4.3 out of 5 stars	683	₹ 51,800	(29% off)	₹ 36,990		Thu, 16 Feb, 7:00 am - 9:00 pm
11	https://m.media-amazon.in/coupon-applied-at-checkout-samsung-7-kg-5-star-inverter-4-3-out-of-5-stars	coupon applied at che		Samsung 7 Kg 5 Star Inve	4.3 out of 5 stars	499	₹ 40,300	(31% off)	₹ 27,990		Thu, 16 Feb, 7:00 am - 9:00 pm
12	https://m.media-amazon.in/coupon-applied-at-checkout-samsung-7-kg-inverter-5-star-4-2-out-of-5-stars	coupon applied at che		Samsung 7 Kg Inverter 5	4.2 out of 5 stars	3,570	₹ 24,000	(19% off)	₹ 19,490		Thu, 16 Feb, 7:00 am - 9:00 pm
13	https://m.media-amazon.in/coupon-applied-at-checkout-samsung-8-kg-inverter-5-star-4-0-out-of-5-stars	coupon applied at che		Samsung 8 Kg Inverter 5	4.0 out of 5 stars	636	₹ 27,000	(22% off)	₹ 20,990		Thu, 16 Feb, 7:00 am - 9:00 pm
14	https://m.media-amazon.in/free-delivery-by-samsung-7-kg-5-star-air-conditioner-4-3-out-of-5-stars	FREE delivery by		Samsung 7 Kg 5 Star A/C	4.3 out of 5 stars	463	₹ 44,100	(31% off)	₹ 30,490	Save extra with No Cost EMI	Thu, 16 Feb, 7:00 am - 9:00 pm

Formatted Data

Goals

2. Scrap Flipkart Data and then converted it in understandable format.
 - > Convert currency data into currency.
 - > Applied conditional formatting.
 - > Make in table format so we can sort and filter data and analysis data in a efficient way.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	_1fQZEK h_396cs4 s_6Up2sF _4rR01T			_3LWZIK _1wB99o _2_R_DZ _13vcmD _2_R_DZ rgWa7D rgWa7D 3_30jeq3																		
2	https://w https://rukminim1.flixcart.com/image/312/312/xif0q/washing-machine-new/f/x/k/-original-imaghuhw5khhyej9d.jpeg?q=70																					
3	https://w https://rukminim1.flixcart.com/image/312/312/xif0q/washing-machine-new/f/x/k/-original-imaghuhw5khhyej9d.jpeg?q=70	Add to Co SAMSUNG 6 kg 5 Star With Hy	4.4																			
4	https://w https://rukminim1.flixcart.com/image/312/312/xif0q/washing-machine-new/f/x/k/-original-imaghuhw5khhyej9d.jpeg?q=70	Add to Co SAMSUNG 7 kg Inverter 5 Star	4.4																			
5	https://w https://rukminim1.flixcart.com/image/312/312/xif0q/washing-machine-new/f/x/k/-original-imaghuhw5khhyej9d.jpeg?q=70	Add to Co SAMSUNG 7 kg Semi Automat	4.4																			
6	https://w https://rukminim1.flixcart.com/image/312/312/xif0q/washing-machine-new/f/x/k/-original-imaghuhw5khhyej9d.jpeg?q=70	Add to Co SAMSUNG 6.5 kg Diamond Dr	4.4																			
7	https://w https://rukminim1.flixcart.com/image/312/312/xif0q/washing-machine-new/f/x/k/-original-imaghuhw5khhyej9d.jpeg?q=70	Add to Co SAMSUNG 6.5 kg Semi Autom	4.3																			
8	https://w https://rukminim1.flixcart.com/image/312/312/xif0q/washing-machine-new/f/x/k/-original-imaghuhw5khhyej9d.jpeg?q=70	Add to Co SAMSUNG 8 kg 5 Star With Hy	4.4																			
9	https://w https://rukminim1.flixcart.com/image/312/312/xif0q/washing-machine-new/f/x/k/-original-imaghuhw5khhyej9d.jpeg?q=70	Add to Co SAMSUNG 6 kg 5 star with Ce	4.3																			
10	https://w https://rukminim1.flixcart.com/image/312/312/xif0q/washing-machine-new/f/x/k/-original-imaghuhw5khhyej9d.jpeg?q=70	Add to Co SAMSUNG 8 kg Inverter 5 Star	4.4																			
11	https://w https://rukminim1.flixcart.com/image/312/312/xif0q/washing-machine-new/f/x/k/-original-imaghuhw5khhyej9d.jpeg?q=70	Add to Co SAMSUNG 8 kg With AI Contr	4.4																			

Non Formatted Data

A	B	C	D	E	F	G	H	I	J	K	
Purchase link	Model Name	Rating	Image link	Customer Rating	Reviews	Max Speed	Warranty	Original Price	Discount	Price	Free
www.flipkart.com/samsu	SAMSUNG 6.5 kg Inverter 5 star Wobble Technology Fully Automatic	4.4	0ITTYuNSA5ljQzOWwth	61,861 Ratings	4,734 Reviews	700 rpm Max Speed	1 Year Comprehensive Warranty on Product	₹ 26,200	38% off	₹ 15,990	
www.flipkart.com/samsu	SAMSUNG 6 kg 5 Star With Hygiene Steam and Ceramic Heater Fully	4.4	0ITTYuNSA5ljQzOWwth	25,393 Ratings	2,519 Reviews	1000 rpm Max Speed	Machine and Top Load Washing Machine) the Warranty period on the D	₹ 26,500	15% off	₹ 22,490	
www.flipkart.com/samsu	SAMSUNG 7 kg Inverter 5 Star with Eco Bubble Technology Washing	4.4	0ITTYuNSA5ljQzOWwth	61,861 Ratings	4,734 Reviews	700 rpm Max Speed	Machine and Top Load Washing Machine) the Warranty period on the D	₹ 17,990	16% off	₹ 10,690	
www.flipkart.com/samsu	SAMSUNG 7 kg Semi Automatic Top Load Grey, Purple	4.4	0ITTYuNSA5ljQzOWwth	21,101 Ratings	1,906 Reviews	1350 rpm Max Speed	2 Years Comprehensive Warranty on Product and 5 Years on Motor	₹ 13,500	20% off	₹ 13,390	
www.flipkart.com/samsu	SAMSUNG 6.5 kg Diamond Drum feature Fully Automatic Top Load S	4.4	0ITTYuNSA5ljQzOWwth	61,861 Ratings	4,734 Reviews	680 rpm Max Speed	Machine and Top Load Washing Machine) the Warranty period on the D	₹ 16,800	16% off	₹ 13,390	
www.flipkart.com/samsu	SAMSUNG 6.5 kg Semi Automatic Top Load Blue, Grey	4.3	0ITTYuNSA5ljQzOWwth	8,642 Ratings	670 Reviews	1350 rpm Max Speed	2 Years Comprehensive Warranty on Product and 5 Years on Motor	₹ 12,500	20% off	₹ 9,990	
www.flipkart.com/samsu	SAMSUNG 8 kg 5 Star With Hygiene Steam and Digital Inverter Fully	4.4	0ITTYuNSA5ljQzOWwth	25,393 Ratings	2,519 Reviews	1400 rpm Max Speed	Machine and Top Load Washing Machine) the Warranty period on the D	₹ 39,500	19% off	₹ 31,990	
www.flipkart.com/samsu	SAMSUNG 6 kg 5 star with Center Jet Technology Semi Automatic To	4.3	0ITTYuNSA5ljQzOWwth	8,642 Ratings	670 Reviews	1300 rpm Max Speed	2 Years Warranty on Product and 5 Years on Motor	₹ 9,900	9% off	₹ 8,990	
www.flipkart.com/samsu	SAMSUNG 8 kg Inverter 5 Star with Ecobubble Technology Washing Ma						chine and Top Load Washing Machine) the Warranty period on the D	₹ 27,000	22% off	₹ 20,990	
www.flipkart.com/samsu	SAMSUNG 8 kg With AI Control & Wi-Fi and Digital Inverter Fully Au	4.4	0ITTYuNSA5ljQzOWwth	25,393 Ratings	2,519 Reviews	1400 rpm Max Speed	Machine and Top Load Washing Machine) the Warranty period on the D	₹ 44,900	17% off	₹ 36,990	
www.flipkart.com/samsu	SAMSUNG 8 kg Inverter 5 Star with Ecobubble & Super Speed Tech	4.3	0ITTYuNSA5ljQzOWwth	3,448 Ratings	275 Reviews	700 rpm Max Speed	Machine and Top Load Washing Machine) the Warranty period on the D	₹ 28,000	21% off	₹ 21,990	
www.flipkart.com/samsu	SAMSUNG 7 kg 5 Star With Hygiene Steam and Digital Inverter Full	4.4	0ITTYuNSA5ljQzOWwth	25,393 Ratings	2,519 Reviews	1200 rpm Max Speed	Machine and Top Load Washing Machine) the Warranty period on the D	₹ 34,700	19% off	₹ 27,990	

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Goals

3. Specification-My specification is like i want washing machine which is front load, 8 K.G. loading capacity and price should be between 35,000 to 65,000.

--> Search "Top Load" in every model name then we found Top=TRUE and Front =False

--> Search 8 K.G loading capacity in model name so we found TRUE.

--> Filter the price between 35,000 to 65,000.

--> Filter the data and we get model name.

	A	B	C	D
1	Model Name (Amazon)	TOP/FRONT LOAD	Last Price	8 kg Loading Capacity
4	Samsung 8.0 kg Wifi Enabled Fully-Automatic Front Loading Dryer (DV80T6220LE/TL, White, AI Control)	FALSE	₹ 60,990	TRUE
5	Samsung 8.0 kg / 6.0 kg Wi-Fi Enabled Inverter Fully-Automatic Washer Dryer, Front Load (WD80T604DBX/TL, Inox, AI Control)	FALSE	₹ 53,990	TRUE
7	Samsung 8.0 Kg Fully-Automatic Front Loading Washing Machine (WW80T604DLB/TL, Black Caviar)	FALSE	₹ 47,000	TRUE

Amazon data

	A	B	C	D
1	Model Name(Flipcart)	TOP/FRONT LOAD	Last Price	8 kg Loading capacity
26	SAMSUNG 8 kg Fully Automatic Front Load with In-built Heater Black	FALSE	₹ 50,349	TRUE
28	SAMSUNG 8 kg Fully Automatic Front Load Black	FALSE	₹ 45,115	TRUE
32	SAMSUNG 8 kg Fully Automatic Front Load with In-built Heater Black	FALSE	₹ 41,800	TRUE
49	SAMSUNG 8 kg Fully Automatic Front Load White	FALSE	₹ 38,949	TRUE
64	SAMSUNG 8 kg 5 Star Fully Automatic Front Load Grey	FALSE	₹ 37,040	TRUE
66	SAMSUNG 8 kg Fully Automatic Front Load with In-built Heater Black	FALSE	₹ 37,031	TRUE

Flipkart data

Goals

4. Compare different models which are available on different sites with last price.
-->compare models with their last price after all discounts.

	A	B
1	Amazon Available Models	Last Price
2	Samsung 8.0 kg Wifi Enabled Fully-Automatic Front Loading Dryer (DV80T6220LE/TL, White, AI Control)	₹ 60,990
3	Samsung 8.0 kg / 6.0 kg Wi-Fi Enabled Inverter Fully-Automatic Washer Dryer, Front Load (WD80T604DBX/TL, Inox, AI Control)	₹ 53,990
4	Samsung 8.0 Kg Fully-Automatic Front Loading Washing Machine (WW80T604DLB/TL, Black Caviar)	₹ 47,890
5		
6		
7		
8		
9		
10	Flipcart Available Models	Last Price
11	SAMSUNG 8 kg Fully Automatic Front Load with In-built Heater Black	₹ 50,349
12	SAMSUNG 8 kg Fully Automatic Front Load Black	₹ 45,115
13	SAMSUNG 8 kg Fully Automatic Front Load with In-built Heater Black	₹ 41,800
14	SAMSUNG 8 kg Fully Automatic Front Load White	₹ 38,949
15	SAMSUNG 8 kg 5 Star Fully Automatic Front Load Grey	₹ 37,040
16	SAMSUNG 8 kg Fully Automatic Front Load with In-built Heater Black	₹ 37,031
17	SAMSUNG 8 kg Fully Automatic Front Load Black	₹ 35,150

Concepts Used

- > Convert numbers into text to numbers like currency, rating etc.
 - > Applied conditional formatting for good interaction.
 - > Make in table format so we can sort and filter data and analysis data in a efficient way. We can sort data in respect of rating, reviews, price, free delivery etc.
-
- > Search "Top Load" in every model name then we found Top=TRUE and Front =False
FORMULA =ISNUMBER(SEARCH("Top Load",A4:A84))
-
- > Search 8 K.G loading capacity in model name so we found TRUE.
FORMULA =ISNUMBER(SEARCH("8 k.g",A4:A84))
-
- > Filter the price between 35,000 to 65,000

Conclusion

- By scraping a website's data we can either monitor the price of our competitors, conduct price intelligence, news monitoring, generate leads, or even complete market research. Using Excel we import data from a website is a great way to take advantage of the free public data available on the web.
- Here we scrap amazon and flipkart data related to SAMSUNG WASHING MACHINE. we monitor the price , reviews, models etc. from both the websites.

Project owner

Khushi Yadav

18-Feb-2023