df.head()

	brand_name	p_id	Product_name	price	color	ratingCount	avg_rating	brand_:
0	DUPATTA BAZAAR	1518329	Dupatta Bazaar White Embroidered Chiffon Dupatta	899.0	White	1321.0	4.548827	242
1	ROADSTER	5829334	Roadster Women Mustard	1199.0	Mustard	5462.0	4.313255	750

df.describe()

hrand id

mrc

matrix = df.corr().round(2)
sns.heatmap(matrix, annot=False)
plt.show()

n id

-1.0 p\_id -- 0.8 price - 0.6 ratingCount - 0.4 avg\_rating - 0.2 brand\_id - 0.0 mrc mar brand idavg\_rating . price ratingCount J. mar

## print(df.info())

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 14310 entries, 0 to 14309
Data columns (total 10 columns):

#	Column	Non-Null Count	Dtype
0	brand_name	14310 non-null	object
1	p_id	14310 non-null	int64
2	Product_name	14310 non-null	object
3	price	14307 non-null	float64
4	color	14304 non-null	object
5	ratingCount	6579 non-null	float64
6	avg_rating	6579 non-null	float64
7	brand_id	14307 non-null	float64
8	mrc	14307 non-null	float64
9	mar	14307 non-null	float64

dtypes: float64(6), int64(1), object(3)

memory usage: 1.1+ MB

None

## print(df.dtypes)

brand_name	object
p_id	int64
Product_name	object
price	float64
color	object
ratingCount	float64

```
avg_rating float64
brand_id float64
mrc float64
mar float64
```

dtype: object

## print(df.describe())

count mean std min	p_id 1.431000e+04 1.569106e+07 3.153509e+06 7.016600e+04	price 14307.000000 2964.289788 2564.254328 169.000000	ratingCount 6579.000000 184.530324 782.614622 1.000000	avg_rating 6579.000000 4.101139 0.475679 1.000000	brand_id 14307.000000 531.449011 292.620391 0.000000	\
25%	1.413618e+07	1599.000000	9.000000	3.888889	278.000000	
50%	1.638216e+07	2200.000000	23.000000	4.180451	551.000000	
75%	1.808344e+07	3495.000000	80.000000	4.392789	783.000000	
max	1.941576e+07	47999.000000	21274.000000	5.000000	1020.000000	
count mean	mrc 14307.000000 84.848243	mar 14307.000000 1.885855				
std	181.182462	1.219170				
min	0.000000	0.000000				
25%	2.500000	0.842857				
50%	14.720721	1.967998				
75%	99.142857	2.928773				
max	6076.000000	4.833333				

sorted\_fashionset = df.sort\_values(by='brand\_id')
print(sorted\_fashionset)

	brand_name	p_id	\
11379	BIBA	12414526	
459	SASSAFRAS	7687291	
8430	NEUDIS	13847264	
1410	IVES	8375271	
12278	VENI VIDI VICI	5293906	
	• • •		
9423	ZOLA	14547528	
13017	ZOLA	15033334	
46	HOUSE OF PATAUDI	17022192	
5063	YASH GALLERY	16919756	
6727	HRX BY HRITHIK ROSHAN	13695238	

	Product_name	price	color	١
11379	Biba Women Yellow & Pink Floral Print Maxi Fla	3599.0	Yellow	
459	SASSAFRAS Blue Denim Midi A-Line Pure Cotton S	2199.0	Blue	
8430	NEUDIS Women Olive-Green Self Design Flared Mi	1199.0	Olive	
1410	Ives Olive Green Shirt Style Top	1099.0	Olive	
12278	Veni Vidi Vici Women Red Solid Trumpet Skirt	1170.0	Red	
	•••			
9423	ZOLA Women Black Skinny Fit Light Fade Jeans	2850.0	Black	
13017	ZOLA Women Maroon Ethnic Motifs Embroidered Ch	4650.0	Maroon	
46	House of Pataudi Girls Green Pure Cotton Print	NaN	NaN	

5063			YAS	SH GALLERY Bro	wn NaN	NaN
6727		HRX By Hrith	ik Roshan	Women Wild Li	me NaN	NaN
	ratingCount	avg_rating	brand_id	mrc	mar	
<b>11</b> 379	NaN	NaN	0.0	14.720721	1.837091	
459	577.0	4.214905	0.0	545.210526	3.588146	
8430	32.0	4.468750	0.0	11.500000	1.563181	
1410	5648.0	4.017882	0.0	1416.625000	2.992932	
12278	NaN	NaN	0.0	691.000000	3.011795	
	• • •	• • •		• • •		
9423	11.0	3.909091	1020.0	10.522727	1.852303	
13017	133.0	4.248120	1020.0	10.522727	1.852303	
46	NaN	NaN	NaN	NaN	NaN	
5063	NaN	NaN	NaN	NaN	NaN	
6727	NaN	NaN	NaN	NaN	NaN	

[14310 rows x 10 columns]

sorted\_fashionset.head()

	brand_name	p_id	Product_name	price	color	ratingCount	avg_rating	brar
11379	BIBA	12414526	Biba Women Yellow & Pink Floral Print Maxi Fla	3599.0	Yellow	NaN	NaN	
459	SASSAFRAS	7687291	SASSAFRAS Blue Denim Midi A-Line Pure Cotton	2199.0	Blue	577.0	4.214905	

```
brand_name
                               p_id Product_name
                                                   price
                                                            color ratingCount avg_rating bra
                                           Dupatta
                                      Bazaar White
                DUPATTA
                           1512220
                                      Emhroidered
                                                    200 N
                                                            ۱۸/hit۵
                                                                         1221 በ
                                                                                   A 5AQQ27
# return the value
result = df.loc[:, 'price']
# Print the result
print(result)
     0
               899.0
     1
              1199.0
     2
              5799.0
     3
              1499.0
     4
              1999.0
     14305
              3999.0
     14306
              2050.0
     14307
              1659.0
     14308
              2399.0
     14309
              2599.0
     Name: price, Length: 14310, dtype: float64
fs=df
fs['ratingCount'] = fs['ratingCount'].fillna(fs['mrc'])
```

fs

brand\_name p\_id Product\_name price color ratingCount avg\_rating br

Dupatta

```
fs['avg_rating'] = fs['avg_rating'].fillna(fs['mar'])
fs
```

	brand_name	p_id	Product_name	price	color	ratingCount	avg_rating	br
0	DUPATTA BAZAAR	1518329	Dupatta Bazaar White Embroidered Chiffon Dupatta	899.0	White	1321.000000	4.548827	
1	ROADSTER	5829334	Roadster Women Mustard Yellow Solid Hooded Swe	1199.0	Mustard	5462.000000	4.313255	
2	INDDUS	10340119	Inddus Peach- Coloured & Beige Unstitched Dress	5799.0	Peach	145.000000	4.068966	
3	SASSAFRAS	10856380	SASSAFRAS Women Black Parallel Trousers	1499.0	Black	9124.000000	4.147523	

print(fs.info())

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 14310 entries, 0 to 14309
Data columns (total 10 columns):

#	Column	Non-Null Count	Dtype
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3	price	14307 non-null	float64
4	color	14304 non-null	object
5	ratingCount	14307 non-null	float64
6	avg_rating	14307 non-null	float64
7	brand_id	14307 non-null	float64
8	mrc	14307 non-null	float64
9	mar	14307 non-null	float64

dtypes: float64(6), int64(1), object(3)

memory usage: 1.1+ MB

None

	brand_name	p_id	Product_name	price	color	ratingCount	avg_rating	br
(	DUPATTA BAZAAR	1518329	Dupatta Bazaar White Embroidered Chiffon Dupatta	899.0	White	1321.000000	4.548827	
,	I ROADSTER	5829334	Roadster Women Mustard Yellow Solid Hooded Swe	1199.0	Mustard	5462.000000	4.313255	
2	2 INDDUS	10340119	Inddus Peach- Coloured & Beige Unstitched Dress	5799.0	Peach	145.000000	4.068966	
<b>:</b>	3 SASSAFRAS	10856380	SASSAFRAS Women Black Parallel Trousers	1499.0	Black	9124.000000	4.147523	

fs.to\_csv(r'FashionSet.csv')