

Voir le produit Trier par

VÊTEMENTS

14 728 Résultats

VÊTEMENTS
VÊTEMENTS DE SPORT
PLAGE
MARIAGE
MANTEAUX
ROBES
DENIM
SOIR
VESTES
JEANS
COMBINAISONS
MAILLE
CUIR
ENSEMBLES
MODE PUDIQUE
PANTALONS
SHORTS
JUPES
TAILLEURS
HAUTS
TENUES DE BUREAU

CRÉATEUR

Tout afficher

- ☐ 8Daughter
☐ 16ARLINGTON
☐ 3.1 Phillip Lim
☐ A.P.C. Atelier de Production et de Création
☐ A.W.A.K.E. MODE
☐ ACK
☐ Acne Studios
☐ Adam Lippes
☐ Adam Selman Sport
☐ adidas by Stella McCartney

COULEUR

Tout afficher

- ☐ Argenté
☐ Blanc
☐ Bleu
☐ Bordeaux
☐ Doré
☐ Gris
☐ Imprimé animal
☐ Jaune
☐ Marron
☐ Multicolore
☐ Métallisé
☐ Neutres
☐ Noir
☐ Orange



BALMAIN
Blazer à double boutonnage en cuir



LOEWE
Robe longue en dentelle cordonnet et en satin



SAINT LAURY
Mini-jupe asymétrique à finitions en satin

THE OUTNET & NET-A-PORTER

LET'S COMPARE THE PRICES !



GUCCI
Blouse en satin de soie mélangée à drapé et à nœud
€1,500
[DÉFILÉS](#)



SAINT LAURENT
Mini-robe en velours à cristaux
€2,790
[DÉFILÉS](#)



PRADA
Pantalon droit en coton à imprimé
€750



EMILIA WICKSTEAD
Mini-robe en cloqué à nœud
€1,640
[EXCLUSIVITÉ](#)



OSCAR DE LA RENTA
Pantalon droit en crêpe de laine mélangée
€1,450



THE ROW
Manteau en laine mélangée à ceinture Luisa
€3,180
[DÉFILÉS](#)

Sign In

THE OUTNET

Search...



JUST IN DESIGNERS CLOTHING SHOES BAGS ACCESSORIES CHRISTMAS SHOP DESIGNER FOCUS STYLES AT 70% OFF IRIS & INK EDITORIAL

Category

All Clothing

Activewear

Beachwear

Cashmere

Coats

Denim

Dresses

Evening

Hosiery

Jackets

Jeans

Jumpsuits

Knitwear

Leather

Lingerie



DIANE VON FURSTENBERG
Farfall wrap-effect printed stretch-mesh dress



GANNI
Floral-print washed-silk shirt



RE/DONE
Originals Ultra Stretch High-Rise Ankle Crop skinny jeans
€137
Was € 278 50% off



SANDRO
Faux pearl and crystal-embellished knitted sweater
€135
Was € 228 40% off

46

48

Shoe size

EU

Size Guide

34

36

37

40

Color

Animal Print

Black

Blue

Brown

Burgundy

Gray

Green

Metallic

Multicolor

Neutral



M MISSONI
Belted metallic crochet-knit dress
€300
Was € 601 50% off



JOIE
Asymmetric striped crepe de chine midi wrap skirt
€182
Was € 365 50% off



**COMPARING THE AVERAGE PRICES ON NET-A-PORTER .COM
VS
AVERAGE ORIGINAL PRICES ON THEOUTNET.COM**

**AIM : See if the average original price is higher on the outlet website
--> Do they cheat on the reductions ?**

WEB SCRAPING

THE OUTNET

```
Entrée [1]: import requests as r
from bs4 import BeautifulSoup as BS
import pandas as pd
import re
import time as t
```

SCRAPING

```
table_dress=[]
for i in range(1,78):
    if i%2==0:
        t.sleep(2)
        url=f'https://www.theoutnet.com/Search/RenderProductsAsync?ytosQuery=true&linkdepartment=INTL_Dresses_CLOTHES'
        lst=BS(r.get(url).content).select('div.description>span.designer-name,span.discounted>span.value,span.full-price')
        table_url=[(j.text).strip('\r\n\txa').replace('\xa0','') for j in lst]
        table_dress+=table_url
```

```
Entrée [58]: table_dress
```

```
Out[58]: ['IRIS & INK',
'Siri wrap-effect satin-crepe dress',
'145',
'IRIS & INK',
'Marne pleated crepe dress',
'155',
'IRIS & INK',
'Elina gathered crepe dress',
'130',
'IRIS & INK',
'Dagny embroidered stretch-knit dress',
'155',
'CAMILLA',
'Crystal-embellished knotted silk crepe de chine maxi dress',
'387',
'745',
'745',
'TORY BURCH',
```



[VALENTINO Studded silk-crepe mini dress](#)
€ 1 524
Was € 3 810 60% off
60% off € 3 810 Was
[JUST IN](#)



[RHODE Lena tassel-trimmed cotton maxi wrap dress](#)
€ 155
Was € 338 54% off
54% off € 338 Was
[JUST IN](#)

WEB SCRAPING

THE OUTNET

CLEANING

```
Entrée [4]: table_dress_2=[]
for i in range((len(table_dress)-1)):
    if table_dress[i]!=table_dress[i+1]:
        table_dress_2.append(table_dress[i])
table_dress_2.append(table_dress[-1])

table_dress_3=[]
for i in range(0,(len(table_dress_2)-1)):
    if i==0:
        table_dress_3.append(table_dress_2[i])
    elif (table_dress_2[i].isdigit() & (table_dress_2[i+1].isdigit()==False) & (table_dress_2[i-1].isdigit()==False)):
        table_dress_3.append(table_dress_2[i])
        table_dress_3.append('')
    else:
        table_dress_3.append(table_dress_2[i])
table_dress_3.append(table_dress_2[-1])
```

DISPATCH

```
Entrée [8]: Brand=[table_dress_3[i] for i in range(0,len(table_dress_3),4)]
SalePrice=[table_dress_3[i] for i in range(2,len(table_dress_3),4)]
OriginalPrice=[table_dress_3[i] for i in range(3,len(table_dress_3),4)]
Description=[table_dress_3[i] for i in range(1,len(table_dress_3),4)]

colnames=['Brand','Description','SalePrice','OriginalPrice']
```

```
Entrée [9]: df1=pd.DataFrame([Brand,Description,SalePrice,OriginalPrice], index=colnames).T
df1
```

Out[9]:

	Brand	Description	SalePrice	OriginalPrice
0	IRIS & INK	Siri wrap-effect satin-crepe dress	145	
1	IRIS & INK	Marne pleated crepe dress	155	
2	IRIS & INK	Elina gathered crepe dress	130	
3	CAMILLA	Crystal-embellished knotted silk crepe de chin...	387	745
4	TORY BURCH	Ruffled striped broderie anglaise cotton midi ...	280	585
5	RACHEL ZOE	Asymmetric floral-print silk-georgette dress	172	400
6	APIECE APART	Meru asymmetric printed silk crepe de chine wr...	312	600
7	TEMPERLEY LONDON	Beaux broderie anglaise-trimmed ruffled Swiss-...	312	695
8	GÜL HÜRCEL	Belted gingham cotton and linen-blend maxi shi...	360	720

WEB SCRAPING

THE OUTNET

SCRAPING

```
15 def table_generator(url_pattern, pages_to_scrape):
16     table=[]
17     for i in range(1, pages_to_scrape+1):
18         if i%2==0:
19             t.sleep(2)
20             url=url_pattern%i
21             lst=BS(r.get(url).content).select('div.description>span.designer-name,span.discounted>span.value,span.full>span.value,
22             table_url=[(j.text).strip('\r\n\txa').replace('\xa0','') for j in lst]
23             table+=table_url
24     return table
25
```

CLEANING

```
26 def cleaner(table):
27     table_2=[]
28     table_3=[]
29     for i in range((len(table)-1)):
30         if table[i]!=table[i+1]:
31             table_2.append(table[i])
32     table_2.append(table[-1])
33     for i in range(0, (len(table_2)-1)):
34         if i==0:
35             table_3.append(table_2[i])
36         elif (table_2[i].isdigit()) & (table_2[i+1].isdigit()==False) & (table_2[i-1].isdigit()==False):
37             table_3.append(table_2[i])
38             table_3.append('')
39         else:
40             table_3.append(table_2[i])
41     table_3.append(table_2[-1])
42     return table_3
43
```

DISPATCH

```
44 def columns(clean_table):
45     Brand=[clean_table[i].upper() for i in range(0, len(clean_table), 4)]
46     SalePrice=[clean_table[i] for i in range(1, len(clean_table), 4)]
47     OriginalPrice=[clean_table[i] for i in range(2, len(clean_table), 4)]
48     Description=[clean_table[i] for i in range(3, len(clean_table), 4)]
49     return Brand, Description, SalePrice, OriginalPrice
50
```

WEB_SCRAPER

```
51 def web_scraper(url_pattern, pages_to_scrape):
52     table=table_generator(url_pattern, pages_to_scrape)
53     clean_table=cleaner(table)
54     Brand, Description, SalePrice, OriginalPrice=columns(clean_table)
55     return Brand, Description, SalePrice, OriginalPrice
```

WEB SCRAPING

THE OUTNET

IMPORT

```
Entrée [1]: import requests as r
            from bs4 import BeautifulSoup as BS
            import pandas as pd
            import re
            import time as t
            import os
            import TheOutnetWS as WS
```

```
Entrée [2]: os.getcwd()
```

```
Out[2]: 'C:\\Users\\mathi\\Documents\\GitHub\\data-labs\\module-1\\lab-web-scraping'
```

```
Entrée [3]: colnames=['Brand','Description','SalePrice','OriginalPrice']
```

APPLY

```
Entrée [4]: Brand,Description,SalePrice,OriginalPrice=WS.web_scraper('https://www.theoutnet.com/Search/RenderProductsAsync?ytosQuery=true&li
```

DATAFRAME

```
Entrée [5]: df_dress=pd.DataFrame([Brand,Description,SalePrice,OriginalPrice],index=colnames).T
            df_dress
```

```
Out[5]:
```

	Brand	Description	SalePrice	OriginalPrice
0	IRIS & INK	Siri wrap-effect satin-crepe dress	145	
1	IRIS & INK	Marne pleated crepe dress	155	
2	IRIS & INK	Elina gathered crepe dress	130	
3	CAMILLA	Crystal-embellished knotted silk crepe de chin...	387	745
4	TORY BURCH	Ruffled striped broderie anglaise cotton midi ...	280	585
5	RACHEL ZOE	Asymmetric floral-print silk-georgette dress	172	400
6	APIECE APART	Meru asymmetric printed silk crepe de chine wr...	312	600
7	TEMPERLEY LONDON	Beaux broderie anglaise-trimmed ruffled Swiss-...	312	695
8	GÜL HÜRGE	Belted gingham cotton and linen-blend maxi shi...	360	720
9	APIECE APART	Asymmetric off-the-shoulder floral-print cotto...	235	490
10	BORGO DE NOR	Gathered floral-print fil coupé maxi dress	355	725
11	APIECE APART	Lypie ruffle-trimmed striped cotton-gauze maxi...	202	440

WEB SCRAPING

THE OUTNET

```
Entrée [6]: df_dress=df_dress.drop_duplicates()  
df_dress
```

DROP DUPLICATES

```
Entrée [7]: df_dress.Description='Dress'  
df_dress
```

DESCRIPTION TO CATEGORY

Out[7]:

	Brand	Description	SalePrice	OriginalPrice
0	IRIS & INK	Dress	145	
1	IRIS & INK	Dress	155	
2	IRIS & INK	Dress	130	
3	CAMILLA	Dress	387	745
4	TORY BURCH	Dress	280	585
5	RACHEL ZOE	Dress	172	400
6	APIECE APART	Dress	312	600

```
Entrée [15]: df_skirt=df_skirt.drop((df_skirt[df_skirt.OriginalPrice==''].index.tolist()),axis=0)  
df_skirt
```

Out[15]:

	Brand	Description	SalePrice	OriginalPrice
1	APIECE APART	Skirt	157	350
2	ALICE + OLIVIA	Skirt	305	611
3	RE/DONE	Skirt	159	290
4	APIECE APART	Skirt	199	370
5	MERLETTE	Skirt	167	390
6	RACHEL ZOE	Skirt	178	356

**DROP ROWS WITHOUT
ORIGINAL PRICE**

WEB SCRAPING

THE OUTNET

```
Entrée [14]: def mode_agg(x):  
              return(' '.join(x.mode().values.tolist()))
```

```
Entrée [16]: df_skirt.OriginalPrice=df_skirt.OriginalPrice.astype('int')  
df_skirt.SalePrice=df_skirt.SalePrice.astype('int')  
df_skirt1=df_skirt.groupby('Brand').agg({'Description':mode_agg,'SalePrice':'mean','OriginalPrice':'mean'}).reset_index().copy()  
df_skirt1
```

Out[16]:

	Brand	Description	SalePrice	OriginalPrice
0	3.1 PHILLIP LIM	Skirt	284.833333	623.333333
1	3x1	Skirt	149.333333	299.000000
2	7 FOR ALL MANKIND	Skirt	105.666667	263.333333
3	A.L.C.	Skirt	200.125000	454.375000
4	A.P.C.	Skirt	95.000000	175.000000
5	A.W.A.K.E.	Skirt	245.000000	490.000000
6	ACNE STUDIOS	Skirt	164.444444	350.555556
7	ADAM LIPPES	Skirt	351.666667	898.250000
8	ADEAM	Skirt	251.000000	535.000000
9	ADIDAS ORIGINALS	Skirt	20.000000	80.000000
10	AGNONA	Skirt	510.555556	1231.555556
11	ALAÏA	Skirt	882.000000	2716.666667

GROUP BY BRAND

WEB SCRAPING

NET-À-PORTER

```
Entrée [2]: headers={'accept': 'text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8,application/signed-excl',
'accept-encoding': 'gzip, deflate, br',
'accept-language': 'fr-FR,fr;q=0.9,en-US;q=0.8,en;q=0.7',
'cache-control': 'max-age=0',
'cookie': '_qubitTracker=hei2mrvo6e8-0k2d6y6d4-jdr2t40; country_iso=FR; channel=intl; lang_iso=fr; geoIP=FR; deviceType:',
'referer': 'https://www.net-a-porter.com/fr/fr/?&cm_mmc=GoogleFR%E2%80%94NAP_FR_FR-_-Brand-_-Net+A+Porter_Exact-_-n',
'sec-fetch-mode': 'navigate',
'sec-fetch-site': 'same-origin',
'sec-fetch-user': '?1',
'upgrade-insecure-requests': '1',
'user-agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 Sa
```

SCRAPING

```
table_brand=[]
for i in range(1,68):
    if i%2==0:
        t.sleep(2)
        url=f'https://www.net-a-porter.com/fr/fr/d/Shop/Clothing/Dresses?cm_sp=topnav-_-clothing-_-dresses&pn=%i&npp=60&image_view=pr
        lst=BS(r.get(url,headers=headers).content).select('a>span.designer')
        table_url=[(i.text).upper() for i in lst]
        table_brand+=table_url
table_brand
```

```
'PROENZA SCHOULER',
'PUSHBUTTON',
'GIAMBATTISTA VALLI',
'HOLZWEILER',
'MONSE',
'JACQUEMUS',
'PRADA',
'REJINA PYO',
'LES RÊVERIES',
'STELLA MCCARTNEY',
'VALENTINO',
```

WEB SCRAPING

NET-À-PORTER

```
Entrée [4]: table_price=[]
            for i in range(1,68):
                if i%2==0:
                    t.sleep(3)
                    url='https://www.net-a-porter.com/fr/fr/d/Shop/Clothing/Dresses?cm_sp=topnav_-_clothing_-_dresses&pn=%i&npp=60&image_view=pr
                    lst=BS(r.get(url=url,headers=headers).content).select('span.price')
                    table_url=[(i.text).strip('\n\t€').replace(',','') for i in lst]
                    table_price=table_price+table_url
            table_price
```

```
Out[4]: ['3495',
         '1195',
         '605',
         '1095',
         '2890',
         '2290',
         '3630',
         '1727']
```

```
Entrée [5]: table_desc=[]
            for i in range(1,68):
                if i%2==0:
                    t.sleep(3)
                    url='https://www.net-a-porter.com/fr/fr/d/Shop/Clothing/Dresses?cm_sp=topnav_-_clothing_-_dresses&pn='+str(i)+'&npp=60&image.
                    lst=BS(r.get(url=url,headers=headers).content).select('div.description>a')
                    table_url=[''.join(re.findall(r'title=.*',str(j))).strip('>\"[\"']').replace('&', '&').replace('title=', '').replace('\"', '')
                    table_desc+=table_url
            table_desc
```

```
Out[5]: ['Robe midi en crêpe de laine mélangée à imprimé fleuri et à plis surpiqués',
         'Robe en crêpe à finitions en cuir synthétique',
         'Robe longue en jersey stretch à imprimé fleuri Jil',
         'Robe midi en toile de coton à ceinture',
         'Robe midi bicolore en mailles côtelées',
         'Robe en cady à finitions en cuir et à ceinture ',
         'Robe longue en toile fleurie à ceinture']
```

WEB SCRAPING

NET-À-PORTER

FUNCTION

```
: def table_generator(url_pattern,headers,pages_to_scrape):
    table_brand=[]
    table_price=[]
    table_desc=[]
    for i in range(1,pages_to_scrape+1):
        if i%2==0:
            t.sleep(2)
            url=url_pattern%i
            soup=BS(r.get(url,headers=headers).content)
            lst1=soup.select('a>span.designer')
            table_url1=[(j.text).upper() for j in lst1]
            table_brand+=table_url1
            lst2=soup.select('span.price')
            table_url2=[(k.text).strip('\n\t€').replace(',','') for k in lst2]
            table_price+=table_url2
            lst3=soup.select('div.description>a')
            table_url3=[''.join(re.findall(r'title=.*',str(l))).strip('>\"[\"').replace('&','&').replace('title=','').replace('\"')
            table_desc+=table_url3

    return table_brand, table_desc, table_price
```

APPLY

```
: Brand1,Description1,OriginalPrice1=table_generator(f'https://www.net-a-porter.com/fr/fr/d/Shop/Clothing/Pants?cm_sp=topnav_-_clo',
df_pants=pd.DataFrame([Brand1,Description1,OriginalPrice1], index=colnames).T
df_pants=df_pants.drop_duplicates()
df_pants.Description='Pants'
df_pants
```

Out[12]:

	Brand	Description	OriginalPrice
0	ROLAND MOURET	Pants	530
1	MARA HOFFMAN	Pants	350
2	LA COLLECTION	Pants	485
3	ENVELOPE1976	Pants	300
4	STELLA MCCARTNEY	Pants	535

WEB SCRAPING

SAVING TO CSV

THE OUTNET FILES

```
df_dress1.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\DressTON.csv',index=False)
df_pants1.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\PantsTON.csv',index=False)
df_jacket1.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\JacketTON.csv',index=False)
df_top1.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\TopTON.csv',index=False)
df_skirt1.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\SkirtTON.csv',index=False)
```

NET-À-PORTER FILES

```
df_dress1.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\DressNAP.csv',index=False)
```

```
df_pants1.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\PantsNAP.csv',index=False)
```

```
df_jacket1.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\JacketNAP.csv',index=False)
```

```
df_top1.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\TopNAP.csv',index=False)
```

```
df_skirts1.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\SkirtNAP.csv',index=False)
```

DATA CLEANING

AGGREGATE ALL DATASETS TO ONE

```
Entrée [52]: NAP=pd.DataFrame()  
NAP=NAP.append(Skirt_NAP).append(Dress_NAP).append(Top_NAP).append(Jacket_NAP).append(Pants_NAP)  
NAP=NAP.reset_index().drop('index',axis=1)  
NAP.OriginalPrice=NAP.OriginalPrice.round(2)  
NAP
```

21	ALICE + OLIVIA	Skirt	514.17
22	ALLUDE	Skirt	459.00
23	ALTUZARRA	Skirt	958.33
24	AMIRI	Skirt	1954.00
25	ANDERSSON BELL	Skirt	382.67
26	ANINE BING	Skirt	259.86
27	ANN DEMEULEMEESTER	Skirt	1108.00
28	ANNA MASON	Skirt	603.67
29	ANNA QUAN	Skirt	390.00

```
Entrée [63]: Data=TON.append(NAP).reset_index().drop('index',axis=1).copy()  
Data
```

Out[63]:

	Brand	Category	OriginalPrice	SalePrice
0	3.1 PHILLIP LIM	Skirt	623.33	284.83
1	3x1	Skirt	299.00	149.33
2	7 FOR ALL MANKIND	Skirt	263.33	105.67
3	A.L.C.	Skirt	454.38	200.12
4	A.P.C.	Skirt	175.00	95.00
5	A.W.A.K.E.	Skirt	490.00	245.00
6	ACNE STUDIOS	Skirt	350.56	164.44
7	ADAM LIPPES	Skirt	898.25	351.67
8	ADEAM	Skirt	535.00	251.00
9	ADIDAS ORIGINALS	Skirt	80.00	20.00

DATA CLEANING

KEEP ONLY DUPLICATES FROM COLUMNS BRAND & CATEGORY

```
Entrée [64]: Data1=Data[Data.duplicated(subset=['Brand','Category'],keep=False)].copy()  
Data1=Data1.reset_index().drop('index',axis=1)  
Data1
```

Out[64]:

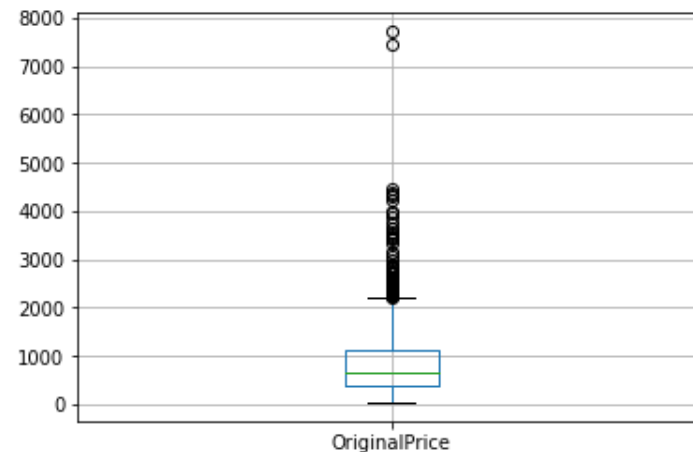
	Brand	Category	OriginalPrice	SalePrice
0	3.1 PHILLIP LIM	Skirt	623.33	284.83
1	ACNE STUDIOS	Skirt	350.56	164.44
2	ADAM LIPPES	Skirt	898.25	351.67
3	ADEAM	Skirt	535.00	251.00
4	AGNONA	Skirt	1231.56	510.56
5	ALAÏA	Skirt	2716.67	882.00
6	ALEXACHUNG	Skirt	310.83	164.33
7	ALEXANDER MCQUEEN	Skirt	2579.60	1174.00
8	ALEXANDER WANG	Skirt	550.00	263.75
9	ALEXANDERWANG.T	Skirt	340.00	157.71
10	ALICE + OLIVIA	Skirt	618.71	283.35
11	ALTUZARRA	Skirt	962.92	450.50

DATA CLEANING

OUTLIERS

```
Entrée [18]: Data1.boxplot(column='OriginalPrice')
```

```
Out[18]: <matplotlib.axes._subplots.AxesSubplot at 0x2238843f0f0>
```



```
Entrée [19]: Data1[Data1.OriginalPrice>7000]
```

```
Out[19]:
```

	Brand	Category	OriginalPrice	SalePrice
361	BALMAIN	Jacket	7713.0	3925.8
749	ALEXANDER MCQUEEN	Dress	7440.0	NaN

```
Entrée [20]: Data1.shape
```

```
Out[20]: (1232, 4)
```

```
Entrée [21]: Data1=Data1.drop(Data1[(Data1.Brand=='BALMAIN')&(Data1.Category=='Jacket')].index)  
Data1=Data1.drop(Data1[(Data1.Brand=='ALEXANDER MCQUEEN')&(Data1.Category=='Dress')].index)  
Data1.shape
```

```
Out[21]: (1228, 4)
```

DATA CLEANING

SEPARATE DATAFRAMES AND SAVING THEM

```
Entrée [22]: DataNAP=Data1[Data1.duplicated(subset=['Brand','Category'],keep='first')].copy()
```

```
Entrée [23]: DataTON=Data1[Data1.duplicated(subset=['Brand','Category'],keep='last')].copy()
```

```
Entrée [24]: DataTON=DataTON.sort_values(by='Brand').reset_index().drop('index',axis=1)
DataTON
```

Out[24]:

	Brand	Category	OriginalPrice	SalePrice
0	3.1 PHILLIP LIM	Skirt	623.33	284.83
1	3.1 PHILLIP LIM	Jacket	763.44	320.25
2	3.1 PHILLIP LIM	Top	415.88	173.21
3	3.1 PHILLIP LIM	Pants	577.19	254.19
4	ACNE STUDIOS	Skirt	350.56	164.44
5	ACNE STUDIOS	Top	332.50	155.30
6	ACNE STUDIOS	Jacket	1037.50	518.75
7	ACNE STUDIOS	Pants	475.50	219.20
8	ADAM LIPPES	Skirt	898.25	351.67
9	ADAM LIPPES	Top	644.13	289.87
10	ADAM LIPPES	Pants	815.71	337.52

```
Entrée [25]: DataNAP=DataNAP.sort_values(by='Brand').reset_index().drop('index',axis=1)
DataNAP
```

Out[25]:

	Brand	Category	OriginalPrice	SalePrice
0	3.1 PHILLIP LIM	Skirt	552.88	NaN
1	3.1 PHILLIP LIM	Jacket	759.75	NaN
2	3.1 PHILLIP LIM	Top	503.08	NaN
3	3.1 PHILLIP LIM	Pants	564.25	NaN
4	ACNE STUDIOS	Skirt	390.00	NaN
5	ACNE STUDIOS	Top	242.94	NaN
6	ACNE STUDIOS	Jacket	1476.43	NaN
7	ACNE STUDIOS	Pants	765.56	NaN
8	ADAM LIPPES	Skirt	1842.50	NaN
9	ADAM LIPPES	Top	732.78	NaN
10	ADAM LIPPES	Pants	780.00	NaN

```
Entrée [26]: DataNAP.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\DataNAP.csv',index=False)
DataTON.to_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\DataTON.csv',index=False)
```


ANALYSE & CONCLUSION

```
Entrée [27]: Compare=pd.DataFrame()
for i in range(DataNAP.shape[0]):
    if (DataTON.OriginalPrice[i])>(DataNAP.OriginalPrice[i]*1.3):
        Compare=Compare.append(pd.DataFrame(DataNAP[['Brand','Category']].loc[i]).T)
Compare.shape
```

Out[27]: (113, 2)

```
Entrée [28]: Compare=pd.DataFrame()
for i in range(DataNAP.shape[0]):
    if (DataTON.OriginalPrice[i])>(DataNAP.OriginalPrice[i]*1.5):
        Compare=Compare.append(pd.DataFrame(DataNAP[['Brand','Category']].loc[i]).T)
Compare.shape
```

Out[28]: (59, 2)

```
Entrée [29]: Compare=pd.DataFrame()
for i in range(DataNAP.shape[0]):
    if (DataTON.OriginalPrice[i])>(DataNAP.OriginalPrice[i]):
        Compare=Compare.append(pd.DataFrame(DataNAP[['Brand','Category']].loc[i]).T)
Compare.shape
```

Out[29]: (302, 2)

```
Entrée [30]: Compare=pd.DataFrame()
for i in range(DataNAP.shape[0]):
    if (DataTON.OriginalPrice[i])>(DataNAP.OriginalPrice[i]*2):
        Compare=Compare.append(pd.DataFrame(DataNAP[['Brand','Category']].loc[i]).T)
Compare.shape
```

Out[30]: (12, 2)

ANALYSE & CONCLUSION

48% of average prices are higher on The Outnet then on Net-à-porter

18% prices are more then 30% more expensive on The Outnet vs Net-à-porter

The average price on Net-à-porter is 1% higher then on The Outnet

NOT CHEATING !

PIPELINE

```
10 DataNAP=pd.read_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\DataNAP.csv')
11 DataTON=pd.read_csv(r'C:\Users\mathi\Documents\GitHub\data-labs\module-1\lab-web-scraping\DataTON.csv')
12
13
14 def check():
15     Brand=input("Brand ?")
16     if Brand=='Q':
17         print('Bye Bye')
18         return None
19     Category=input("Category ?")
20     if Category=='Q':
21         print('Bye Bye')
22         return None
23     elif (Brand not in DataTON.Brand.tolist()) or (Category not in DataNAP.Category.tolist()):
24         print('non valid choice')
25         return check()
26     a=DataTON.OriginalPrice[(DataTON.OriginalPrice[(DataTON.Brand==Brand)&(DataTON.Category==Category)].index[0])]
27     b=DataNAP.OriginalPrice[(DataNAP.OriginalPrice[(DataNAP.Brand==Brand)&(DataNAP.Category==Category)].index[0])]
28     if a > b*1.2:
29         print('cheateeeeeer')
30         return check()
31     else :
32         print("that's ok")
33         return check()
34
35 print('Hello,\nWelcome on the comparator.\nPlease enter :')
36 check()
```