
Program Summary - Assignment 2_SAS.sas

Execution Environment

Author: u63975320
File: /home/u63975320/Somesh_Training/Assignment 2/Assignment 2_SAS.sas
SAS Platform: Linux LIN X64 5.14.0-284.30.1.el9_2.x86_64
SAS Host: ODAWS02-APSE1-2.ODA.SAS.COM
SAS Version: 9.04.01M7P08062020
SAS Locale: en_US
Submission Time: 11/1/2024, 8:16:29 PM
Browser Host: 124.168.91.185
User Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/128.0.0.0 Safari/537.36 OPR/114.0.0.0
Application Server: ODAMID00-APSE1-2.ODA.SAS.COM

Code: Assignment 2_SAS.sas

/*Please Highlight the code and run it as it is throwing errors if the entire code is not highlighted*/

libname Jewels "/home/u63975320/Somesh_Training";

/* Step 1:- Import the sheets into each of its datasets*/

/* Ruby Spreadsheet import starts here */

```
Proc import
  datafile="/home/u63975320/Somesh_Training/Assignment 2/Ruby_Olive_Jewellery.xlsx"
  dbms=xlsx
  out=Jewels.ruby_productandvariants_unduped
  replace;
  sheet="Merged_products_and_variants";
RUN;
```

```
Proc import
  datafile="/home/u63975320/Somesh_Training/Assignment 2/Ruby_Olive_Jewellery.xlsx"
  dbms=xlsx
  out=Jewels.ruby_Reviews_unsorted
  replace;
  sheet="Reviews";
RUN;
```

```
Proc import
  datafile="/home/u63975320/Somesh_Training/Assignment 2/Ruby_Olive_Jewellery.xlsx"
  dbms=xlsx
  out=Jewels.ruby_Product_Categories_unsorted
  replace;
  sheet="Product_Categories";

RUN;
```

/*Step 2:- Data Cleaning starts here*/

```
proc sort data=Jewels.ruby_Reviews_unsorted out=Jewels.ruby_Reviews;
by SHOPIFY_PRODUCT ;
run;
```

```
proc sort data=Jewels.ruby_productandvariants_unduped out=Jewels.ruby_productandvariants_unsorted nodupkey;
by SHOPIFY_VARIANT_ID ;
run;
```

```
proc sort data=Jewels.ruby_productandvariants_unsorted out=Jewels.ruby_productandvariants;
by SHOPIFY_PRODUCT_ID ;
run;
```

```
proc sort data=Jewels.ruby_Product_Categories_unsorted out=Jewels.ruby_Product_Categories;
by PRODUCT_ID ;
run;
```

```
proc contents data=Jewels.ruby_Reviews;
run;
```

```
data ruby_analysis;
  set Jewels.ruby_productandvariants (rename = (CREATED_AT=CREATED_AT_Products));
```

```

merge
Jewels.ruby_productandvariants Jewels.ruby_Product_Categories (rename = (PRODUCT_ID=SHOPIFY_PRODUCT_ID));
by SHOPIFY_PRODUCT_ID;

merge Jewels.ruby_productandvariants Jewels.ruby_Reviews (rename = (SHOPIFY_PRODUCT=SHOPIFY_PRODUCT_ID));
by SHOPIFY_PRODUCT_ID;

Drop OPTION_1_NAME OPTION_1_VALUE OPTION_2_NAME OPTION_2_VALUE OPTION_3_NAME OPTION_3_VALUE
      POSITION SLUG DESCRIPTION TAGS BODY_HTML_TEXT URL IMAGE THUMB_DOWN_COUNT THUMB_UP_COUNT
      UPDATED_AT PUBLISHED_AT AUTHOR REPLY;

Prices = input(price,comma10.2);
BSR = input(BESTSELLER_RANK,comma10.0);
if BSR = 0 then BSR = 1; /* Data error fix */

Positions = input(POSITION,comma10.0);

COMPARE_AT_PRICES = input(COMPARE_AT_PRICE,comma10.0);
price_difference = COMPARE_AT_PRICE - prices;

Discounted_Status = 0;
If COMPARE_AT_PRICES = "nan" then Discounted_Status = 0;
else Discounted_Status = 1;
Discount = (price_difference/COMPARE_AT_PRICE)*100;

Ratings = input(Rating,comma10.0);
Created_At_Reviews=substr(compress(Created_At,"-"),1,8);

REVIEW_COUNTS = input(REVIEW_COUNT,comma10.0);
drop Review_count Category_slug Review_ID Created_at COMPARE_AT_PRICE price BESTSELLER_RANK POSITION Rating;

Label
COMPARE_AT_PRICES = "Old Price"
Prices = "Final Price"
GRAMS = "Weight in grams"
AVAILABLE = "Stock Availability"
SKU = "Stock ID"
SHOPIFY_VARIANT_ID = "Shopify Variant ID"
SHOPIFY_PRODUCT_ID = "Shopify Product ID"
TITLE = "Title"
TAXABLE = "Taxable"
REQUIRES_SHIPPING = "Shipping Requirement"
POSITION = "Position"
NAME = "Name"
SLUG = "URL Slug"
DESCRIPTION = "Description"
BODY_HTML_TEXT = "Detailed Description"
VENDOR = "Vendor"
PRODUCT_TYPE = "Product Type"
TAGS = "Tags"
BESTSELLER_RANK = "Bestseller Rank"
BSR = "Bestseller Rank"
Price_difference = "Price Difference"
Discounted_status = "Discounted Status"
Created_At_Reviews = "Review Published Date"
CREATED_AT_Products = "Creation Date (Products)"
CREATED_AT_reviews = "Creation Date (Reviews)"
Body = "Review Description"
REVIEW_COUNTS = "Review Count";

run;

/*Step 3:- Analysis Starts here*/

/* Type of data available for analysis */

ODS PDF file="/home/u63975320/Somesh_Training/Assignment 2/ SAS Assignment-2 Report.pdf" style=HTMLBlue contents=yes startpag
options nodate topmargin = 1 bottommargin = 1 leftmargin = 1 rightmargin = 1 center pageno=1;
ods noproctitle;
ods escapechar="^";

/*Idea for Table of content adjustment:- https://communities.sas.com/t5/SAS-Programming/ODS-PDF-report-Adjusting-position-of-
/*Idea for selective printing into Report:- https://communities.sas.com/t5/SAS-Studio/How-to-Show-First-Table-only-in-Proc-Co
/*Idea for exclusion from the report to avoid double coding:-https://documentation.sas.com/doc/en/pgmsascdc/9.4\_3.5/odsug/p1b
/*Idea for page break control in ODS PDF Report:- https://communities.sas.com/t5/SAS-Programming/How-do-I-add-page-breaks-in-

```

```

ods pdf startpage=now;
ods pdf text="^S={just=center font_weight=bold font_size=16pt} Assignment 2";
ods pdf text="^S={just=center font_weight=bold font_size=20pt} Insights from Ruby Olive Jewellery Store Analysis";
ods pdf text="^S={just=center font_weight=bold font_size=14pt} 26777 Data Processing Using SAS - Spring 2024";
ods pdf text="^S={just=center font_weight=bold font_size=14pt} Somesh Shanbhag - 25525837";

run;

ods pdf startpage=now;
proc contents data=ruby_analysis order=varnum;
    Title "Variables and their Descriptions";
    ods select "varnum";
run;

ods exclude all;

/* Sales Volume */

Title "Total Sales volume per product type" ;
proc summary data=ruby_analysis printalltypes order=freq descending sum maxdec=2;
var prices;
class Product_type;
output out=sales_volume (drop= _type_) sum=Total_value;
run;

ods select all;

ods pdf startpage=now;

Title "Total Sales volume per product type";
proc print data= sales_volume label noobs;
Label
    PRODUCT_TYPE = "Product Type"
    _FREQ_ = "Number of products per category"
    Total_value = "Sales volume";
Footnote justify=center "Explains the value of inventory and possible sales per category.";
run;

ods pdf startpage=now;

/* Sales Volume Graph*/
ods graphics / reset width=6.4in height=4.8in imagemap;
title "Which product type on inventory can generate the highest sales volume?";
proc sgplot data=WORK.SALES_VOLUME noautolegend;
    vbar PRODUCT_TYPE / response=Total_value group=Total_value
        groupdisplay=cluster datalabel;
    yaxis grid;
footnote "Earrings category has the ability to generate the highest sales";
run;

ods graphics / reset;
/* Idea to Remove the auto legend from appearing:- https://communities.sas.com/t5/SAS-Programming/Removing-entire-legend/td-p,

ods pdf startpage=now;
/* Average Pricing */

proc univariate data=ruby_analysis plots freq ;
Title "Customer Spending Habits";
var prices;
ODS select "Quantiles" "Plots for Prices";
Footnote "From the inventory analysis, it is clear that most customers spend on average between $18 to $34 with $25 being the
run;

ods exclude all;

/* Product Ratings */

proc means data=ruby_analysis mean;
var ratings Review_Counts;
class product_type;
run;

ods select all;
ods pdf startpage=now;

```

```
proc print data=ruby_analysis noobs label;
Title "Products which received less than 4 rating";
var name ratings body vendor;
where ratings <= 3 AND ratings>0;
Label NAME = "Product Name"
      BODY = "Customer Reply"
      Vendor = "Vendor";
footnote "Both reported broken products are made in house but breakage rate is within acceptable margin of error.";
run;

ods exclude all;

proc freq data=ruby_analysis;
table ratings/nocum out=Ratings_for_products;
run;

ods pdf startpage=now;
ods select all;

proc print data=Ratings_for_products noobs label;
title "Total Ratings recieved for all products.";
where Ratings not is missing;
label
  Count = "Number of Products"
  Percent = "% of Total Products";
format
  Count 10.0
  Percent 10.2;
footnote1 "Rating system - 5 is best and 1 is the worst";
footnote2 "94% of products have a rating of 5";
run;

ods exclude all;

ods pdf startpage=now;

/* Bestseller ranking by product type*/

proc freq data=ruby_analysis ;
tables BSR*Product_type*prices/ list nocum out=BSR_rank;
run;

ods select all;

proc print data=BSR_rank (obs=16) noobs label;
Title "Top Selling product categories";
where BSR not is missing;
label BSR = "Bestseller Rank"
      PRODUCT_TYPE = "Product Type"
      Prices = "Price"
      COUNT= " Number of Products"
      PERCENT = "% of Total Products";
format
  Count 10.0
  Percent 10.2;
Footnote "From the table above, it is clear that Ruby Olive earrings are very popular among their customers.";
run;
ods pdf startpage=now;
/* Number of products on discount*/
proc format;
value discount_check
  1 = "Discounted"
  0 = "Full Price";
run;

proc freq data=ruby_analysis;
Title "Number of products on Discount";
tables Discounted_status/ nocum;
format Discounted_status discount_check.;
Footnote "Ruby Olive have 210 products on sale currently.";
run;

ods exclude all;
ods pdf startpage=now;
```

```

/*Discount by Product_type*/
proc summary data=ruby_analysis print mean maxdec=2 ;
var prices price_difference discount COMPARE_AT_PRICES;
class product_type;
where COMPARE_AT_PRICES not is missing;
output out=product_discounts;
run;

ods select all;
ods pdf startpage=now;

%let type = Bracelets and Bangles;
/*
Please choose from the following Options:-
    Bag Hook
    Bracelets and Bangles
    Brooches & Pins
    Earrings
    Gift Packs
    Lanyards
    Lens Cloth
    Necklaces
    Pet Products
    Puzzles
    Sale
*/

proc print data=product_discounts noobs label;
Title "Discount details for chosen product categories";
var PRODUCT_TYPE _FREQ_ COMPARE_AT_PRICES Prices price_difference Discount ;
where PRODUCT_TYPE not is missing AND _STAT_ = "MEAN" AND PRODUCT_TYPE = "&type";
Label
    _FREQ_ = "Number of Products"
    Prices = "Final Mean Price"
    COMPARE_AT_PRICES = "Old Mean Price"
    price_difference = "Price Difference"
    Discount = "Discount %";
format
    Prices 10.2
    price_difference 10.2
    Discount 10.2
    COMPARE_AT_PRICES 10.2;
Footnote "Designed to print discount details of any chosen product type using a macro.";
run;

ods pdf startpage=now;
/*Correlation between price and Bestseller ranking*/
ods graphics / reset width=6.4in height=4.8in imagemap;
Title "Checking the Correlation between price and Bestseller ranking";
proc sgplot data=WORK.RUBY_ANALYSIS;
    reg x=Prices y=BSR / nomarkers cli alpha=0.05;
    scatter x=Prices y=BSR /;
    xaxis grid;
    yaxis grid;
Footnote " ";
run;

ods graphics / reset;

ods graphics / reset width=6.4in height=4.8in imagemap;

ods pdf startpage=now;
/*Linear Regression to analyze best seller rankings*/

Title "Linear Regression to understand Bestseller Rankings";
proc glmselect data=WORK.RUBY_ANALYSIS outdesign(addinputvars)=Work.reg_design;
class PRODUCT_TYPE AVAILABLE VENDOR TAXABLE / param=glm;
model BSR=Prices Ratings REVIEW_COUNTS COMPARE_AT_PRICES Discounted_Status

```

Log: Assignment 2_SAS.sas

Warnings (7)

Notes (161)

```

1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
NOTE: ODS statements in the SAS Studio environment may disable some output features.
69
70      /*Please Highlight the code and run it as it is throwing errors if the entire code is not highlighted*/
71
72      libname Jewels "/home/u63975320/Somesh_Training";
NOTE: Libref JEWELS was successfully assigned as follows:
      Engine:          V9
      Physical Name:   /home/u63975320/Somesh_Training
73
74      /* Step 1:- Import the sheets into each of its datasets*/
75
76      /* Ruby Spreadsheet import starts here */
77
78      Proc import
79      datafile="/home/u63975320/Somesh_Training/Assignment 2/Ruby_Olive_Jewellery.xlsx"
80      dbms=xlsx
81      out=Jewels.ruby_productandvariants_unduped
82      replace;
83      sheet="Merged_products_and_variants";
84      RUN;

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more details, run with
      options MSGLEVEL=I.
NOTE: The import data set has 878 observations and 31 variables.
NOTE: JEWELS.RUBY_PRODUCTANDVARIANTS_UNDUPED data set was successfully created.
NOTE: PROCEDURE IMPORT used (Total process time):
      real time          0.40 seconds
      user cpu time      0.39 seconds
      system cpu time    0.01 seconds
      memory             4663.81k
      OS Memory          31496.00k
      Timestamp          11/01/2024 09:16:27 AM
      Step Count         390   Switch Count  2
      Page Faults        0
      Page Reclaims      798
      Page Swaps         0
      Voluntary Context Switches  64
      Involuntary Context Switches  4
      Block Input Operations  0
      Block Output Operations  4872

85
86      Proc import
87      datafile="/home/u63975320/Somesh_Training/Assignment 2/Ruby_Olive_Jewellery.xlsx"
88      dbms=xlsx
89      out=Jewels.ruby_Reviews_unsorted
90      replace;
91      sheet="Reviews";
92      RUN;

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more details, run with
      options MSGLEVEL=I.
NOTE: The import data set has 1258 observations and 10 variables.
NOTE: JEWELS.RUBY_REVIEWS_UNSORTED data set was successfully created.
NOTE: PROCEDURE IMPORT used (Total process time):
      real time          0.20 seconds
      user cpu time      0.19 seconds
      system cpu time    0.00 seconds
      memory             4661.31k
      OS Memory          31496.00k
      Timestamp          11/01/2024 09:16:27 AM
      Step Count         391   Switch Count  2
      Page Faults        0
      Page Reclaims      735
      Page Swaps         0
      Voluntary Context Switches  64
      Involuntary Context Switches  4
      Block Input Operations  0
      Block Output Operations  3336

93
94      Proc import
95      datafile="/home/u63975320/Somesh_Training/Assignment 2/Ruby_Olive_Jewellery.xlsx"
96      dbms=xlsx
97      out=Jewels.ruby_Product_Categories_unsorted
98      replace;
99      sheet="Product_Categories";
100
101      RUN;

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more details, run with
      options MSGLEVEL=I.
NOTE: The import data set has 3122 observations and 2 variables.

```

NOTE: JEWELS.RUBY_PRODUCT_CATEGORIES_UNSORTED data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time	0.10 seconds
user cpu time	0.10 seconds
system cpu time	0.00 seconds
memory	3501.78k
OS Memory	30984.00k
Timestamp	11/01/2024 09:16:27 AM
Step Count	392 Switch Count 2
Page Faults	0
Page Reclaims	665
Page Swaps	0
Voluntary Context Switches	52
Involuntary Context Switches	4
Block Input Operations	0
Block Output Operations	528

102

103 /*Step 2:- Data Cleaning starts here*/

104

105 proc sort data=Jewels.ruby_Reviews_unsorted out=Jewels.ruby_Reviews;

106 by SHOPIFY_PRODUCT ;

107

run;

NOTE: There were 1258 observations read from the data set JEWELS.RUBY_REVIEWS_UNSORTED.

NOTE: The data set JEWELS.RUBY_REVIEWS has 1258 observations and 10 variables.

NOTE: PROCEDURE SORT used (Total process time):

real time	0.02 seconds
user cpu time	0.00 seconds
system cpu time	0.01 seconds
memory	4607.71k
OS Memory	31948.00k
Timestamp	11/01/2024 09:16:27 AM
Step Count	393 Switch Count 1
Page Faults	0
Page Reclaims	781
Page Swaps	0
Voluntary Context Switches	98
Involuntary Context Switches	2
Block Input Operations	0
Block Output Operations	3344

108

109 proc sort data=Jewels.ruby_productandvariants_unduped out=Jewels.ruby_productandvariants_unsorted nodupkey;

110 by SHOPIFY_VARIANT_ID ;

111

run;

NOTE: There were 878 observations read from the data set JEWELS.RUBY_PRODUCTANDVARIANTS_UNDUPED.

NOTE: 79 observations with duplicate key values were deleted.

NOTE: The data set JEWELS.RUBY_PRODUCTANDVARIANTS_UNSORTED has 799 observations and 31 variables.

NOTE: PROCEDURE SORT used (Total process time):

real time	0.02 seconds
user cpu time	0.00 seconds
system cpu time	0.00 seconds
memory	5648.31k
OS Memory	32976.00k
Timestamp	11/01/2024 09:16:27 AM
Step Count	394 Switch Count 1
Page Faults	0
Page Reclaims	980
Page Swaps	0
Voluntary Context Switches	118
Involuntary Context Switches	1
Block Input Operations	0
Block Output Operations	4368

112

113 proc sort data=Jewels.ruby_productandvariants_unsorted out=Jewels.ruby_productandvariants;

114 by SHOPIFY_PRODUCT_ID ;

115

run;

NOTE: There were 799 observations read from the data set JEWELS.RUBY_PRODUCTANDVARIANTS_UNSORTED.

NOTE: The data set JEWELS.RUBY_PRODUCTANDVARIANTS has 799 observations and 31 variables.

NOTE: PROCEDURE SORT used (Total process time):

real time	0.02 seconds
user cpu time	0.00 seconds
system cpu time	0.01 seconds
memory	5648.31k
OS Memory	32976.00k
Timestamp	11/01/2024 09:16:27 AM
Step Count	395 Switch Count 1
Page Faults	0
Page Reclaims	926

```

Page Swaps                0
Voluntary Context Switches 93
Involuntary Context Switches 1
Block Input Operations      0
Block Output Operations     4368

```

```

116
117     proc sort data=Jewels.ruby_Product_Categories_unsorted out=Jewels.ruby_Product_Categories;
118     by PRODUCT_ID ;
119     run;

```

NOTE: There were 3122 observations read from the data set JEWELS.RUBY_PRODUCT_CATEGORIES_UNSORTED.

NOTE: The data set JEWELS.RUBY_PRODUCT_CATEGORIES has 3122 observations and 2 variables.

```

NOTE: PROCEDURE SORT used (Total process time):
real time                0.01 seconds
user cpu time            0.01 seconds
system cpu time          0.00 seconds
memory                   1876.81k
OS Memory                29636.00k
Timestamp                11/01/2024 09:16:27 AM
Step Count               396  Switch Count  1
Page Faults              0
Page Reclaims            186
Page Swaps               0
Voluntary Context Switches 48
Involuntary Context Switches 0
Block Input Operations    0
Block Output Operations   528

```

```

120
121     proc contents data=Jewels.ruby_Reviews;
122     run;

```

```

NOTE: PROCEDURE CONTENTS used (Total process time):
real time                0.03 seconds
user cpu time            0.03 seconds
system cpu time          0.00 seconds
memory                   3160.87k
OS Memory                29624.00k
Timestamp                11/01/2024 09:16:28 AM
Step Count               397  Switch Count  0
Page Faults              0
Page Reclaims            283
Page Swaps               0
Voluntary Context Switches 11
Involuntary Context Switches 1
Block Input Operations    0
Block Output Operations   16

```

```

123
124     data ruby_analysis;
125     set Jewels.ruby_productandvariants (rename = (CREATED_AT=CREATED_AT_Products));
126     merge
127     Jewels.ruby_productandvariants Jewels.ruby_Product_Categories (rename = (PRODUCT_ID=SHOPIFY_PRODUCT_ID));
128     by SHOPIFY_PRODUCT_ID;
129
130     merge Jewels.ruby_productandvariants Jewels.ruby_Reviews (rename = (SHOPIFY_PRODUCT=SHOPIFY_PRODUCT_ID));
131     by SHOPIFY_PRODUCT_ID;
132
133     Drop OPTION_1_NAMEOPTION_1_VALUEOPTION_2_NAMEOPTION_2_VALUEOPTION_3_NAMEOPTION_3_VALUE
134     POSITION SLUG DESCRIPTION TAGS BODY_HTML_TEXT URL IMAGE THUMB_DOWN_COUNT THUMB_UP_COUNT
135     UPDATED_AT PUBLISHED_AT AUTHOR REPLY;
136
137     Prices = input(price,comma10.2);
138     BSR = input(BESTSELLER_RANK,comma10.0);
139     if BSR = 0 then BSR = 1; /* Data error fix */
140
141     Positions = input(POSITION,comma10.0);
142
143     COMPARE_AT_PRICES = input(COMPARE_AT_PRICE,comma10.0);
144     price_difference = COMPARE_AT_PRICE - prices;
145
146     Discounted_Status = 0;
147     If COMPARE_AT_PRICES = "nan" then Discounted_Status = 0;
148     else Discounted_Status = 1;
149     Discount = (price_difference/COMPARE_AT_PRICE)*100;
150
151     Ratings = input(Rating,comma10.0);
152     Created_At_Reviews=substr(compress(Created_At,"-"),1,8);
153
154     REVIEW_COUNTS = input(REVIEW_COUNT,comma10.0);
155     drop Review_count Category_slug Review_ID Created_at COMPARE_AT_PRICE price BESTSELLER_RANK POSITION Rating;
156

```

```

157 Label
158 COMPARE_AT_PRICES = "Old Price"
159 Prices = "Final Price"
160 GRAMS = "Weight in grams"
161 AVAILABLE = "Stock Availability"
162 SKU= "Stock ID"
163 SHOPIFY_VARIANT_ID = "Shopify Variant ID"
164 SHOPIFY_PRODUCT_ID = "Shopify Product ID"
165 TITLE = "Title"
166 TAXABLE= "Taxable"
167 REQUIRES_SHIPPING = "Shipping Requirement"
168 POSITION = "Position"
169 NAME = "Name"
170 SLUG = "URL Slug"
171 DESCRIPTION = "Description"
172 BODY_HTML_TEXT = "Detailed Description"
173 VENDOR = "Vendor"
174 PRODUCT_TYPE = "Product Type"
175 TAGS = "Tags"
176 BESTSELLER_RANK= "Bestseller Rank"
177 BSR = "Bestseller Rank"
178 Price_difference = "Price Difference"
179 Discounted_status = "Discounted Status"
180 Created_At_Reviews = "Review Published Date"
181 CREATED_AT_Products = "Creation Date (Products)"
182 CREATED_AT_reviews = "Creation Date (Reviews)"
183 Body = "Review Description"
184 REVIEW_COUNTS = "Review Count";
185 run;

```

NOTE: Character values have been converted to numeric values at the places given by: (Line):(Column).

144:21 147:25 149:31

WARNING: Multiple lengths were specified for the variable TITLE by input data set(s). This can cause truncation of data.

WARNING: Multiple lengths were specified for the variable CREATED_AT by input data set(s). This can cause truncation of data.

NOTE: Invalid argument to function INPUT at line 143 column 22.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan', at line 144 column 21.

NOTE: Invalid numeric data, 'nan', at line 147 column 25.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan', at line 149 column 31.

PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.4-PINK SHOPIFY_VARIANT_ID=shva_43172711071907 SHOPIFY_PRODUCT_ID=shpr_1294345928775

TITLE=, GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=1 AVAILABLE=NO OPTION_1_NAME=Colour OPTION_1_VALUE=Pink

OPTION_2_NAME=Size OPTION_2_VALUE=6.4cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles SLUG=everyday-single-bangles DESCRIPTION=

BODY_HTML_TEXT=Our Everyday Bangles are designed to wear...well...everyday! These gorgeous super smooth bangles are made of hand poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes PRODUCT_TYPE=Bangles & Bracelets

TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | white | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866

BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2019-12-10T01:08:57 CATEGORY_SLUG=all-jewellery FIRST.SHOPIFY_PRODUCT_ID=1

LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=c9e69122-1bf7-4320-a443-a0c85fbab3e6 AUTHOR=Michael C. BODY=, REPLY= RATING=4 THUMB_UP_COUNT=0

THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=1 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=4

Created_At_Reviews=20191210 REVIEW_COUNTS=20 _ERROR_=1 _N_=1

NOTE: Invalid argument to function INPUT at line 143 column 22.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan', at line 144 column 21.

NOTE: Invalid numeric data, 'nan', at line 147 column 25.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan', at line 149 column 31.

PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.6-PINK SHOPIFY_VARIANT_ID=shva_43172711104675 SHOPIFY_PRODUCT_ID=shpr_1294345928775

TITLE=Love these bangles! GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=2 AVAILABLE=YES OPTION_1_NAME=Colour

OPTION_1_VALUE=Pink OPTION_2_NAME=Size OPTION_2_VALUE=6.6cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles

SLUG=everyday-single-bangles DESCRIPTION=

BODY_HTML_TEXT=Our Everyday Bangles are designed to wear...well...everyday! These gorgeous super smooth bangles are made of hand poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes

PRODUCT_TYPE=Bangles & Bracelets

TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | white | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866

BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2020-11-04T05:52:33 CATEGORY_SLUG=all-jewellery FIRST.SHOPIFY_PRODUCT_ID=0

LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=5a383a0a-36e6-4ae5-a598-5d162c1e230f AUTHOR=Claire V.

BODY=I have a few of these bangles in all different colours. Great for colour blocking and the texture and real life colours are lovely. Service always great from Ruby Olive team 😊 REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=2 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20201104 REVIEW_COUNTS=20

ERROR=1 _N_=2

NOTE: Invalid argument to function INPUT at line 143 column 22.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan', at line 144 column 21.

NOTE: Invalid numeric data, 'nan', at line 147 column 25.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan', at line 149 column 31.

PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.8-PINK SHOPIFY_VARIANT_ID=shva_43172711137443 SHOPIFY_PRODUCT_ID=shpr_1294345928775

TITLE=Beautiful bangles GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=3 AVAILABLE=YES OPTION_1_NAME=Colour OPTION_1_VALUE=Pink

OPTION_2_NAME=Size OPTION_2_VALUE=6.8cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles SLUG=everyday-single-bangles DESCRIPTION=

BODY_HTML_TEXT=Our Everyday Bangles are designed to wear...well...everyday! These gorgeous super smooth bangles are made of hand poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes

PRODUCT_TYPE=Bangles & Bracelets

TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | white | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866

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BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2020-08-22T03:05:43 CATEGORY_SLUG=all-products-full-price FIRST.SHOPIFY_PRODUCT_ID=0
LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=c8e71ccf-e048-484b-9207-46bd20b1b0a1 AUTHOR=Susan M.
BODY=I just love these bangles! The 6.4cm diameter is great for small wrists! The colours are great and so easy to mix and match wit
h anything you wear. I've now almost got every colour on offer! ❤️ REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0
Prices=22 BSR=5 Positions=3 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=5
Created_At_Reviews=20200822 REVIEW_COUNTS=20 _ERROR_=1 _N_=3
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.
PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-7-PINK SHOPIFY_VARIANT_ID=shva_43172711170211 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE=Infinite colour combos GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=4 AVAILABLE=NO OPTION_1_NAME=Colour
OPTION_1_VALUE=Pink OPTION_2_NAME=Size OPTION_2_VALUE=7cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles
SLUG=everyday-single-bangles DESCRIPTION=
BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand
poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due
to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes
PRODUCT_TYPE=Bangles & Bracelets
TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | w
hite | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866
BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2020-08-21T10:39:48 CATEGORY_SLUG=all-products-full-price FIRST.SHOPIFY_PRODUCT_ID=0
LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=2b38dd9f-7ac3-474b-8064-432b5bfde916 AUTHOR=Rebecca B.
BODY=I have tiny hands and wrists but these are light enough that the small size won't make the great escape off my arm! I couldn
't stop at one, I ended up purchasing the whole rainbow! REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5
Positions=4 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20200821
REVIEW_COUNTS=20 _ERROR_=1 _N_=4
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.
PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.4-GREEN SHOPIFY_VARIANT_ID=shva_43172711202979 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE=Yay! I can finally wear Ruby Olive Bangles! GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=5 AVAILABLE=YES
OPTION_1_NAME=Colour OPTION_1_VALUE=Green OPTION_2_NAME=Size OPTION_2_VALUE=6.4cm OPTION_3_NAME= OPTION_3_VALUE=
NAME=Everyday Single Bangles SLUG=everyday-single-bangles DESCRIPTION=
BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand
poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due
to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes
PRODUCT_TYPE=Bangles & Bracelets
TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | w
hite | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866
BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2020-08-21T01:16:09 CATEGORY_SLUG=bangles-bracelets FIRST.SHOPIFY_PRODUCT_ID=0
LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=b61db0e2-b2cc-4d2d-85b9-6f11cd202bba AUTHOR=Angela` M.
BODY=I've got small wrists but big knuckles so I found the regular sized bangle a squeeze to get on and torture to get off. I'm so h
appy there is a larger range now! I bought one in almost every colour and I can't wait to wear them. Thanks Ruby Olive! REPLY=
RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=5 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0
Discount=. Ratings=5 Created_At_Reviews=20200821 REVIEW_COUNTS=20 _ERROR_=1 _N_=5
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.
PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.6-GREEN SHOPIFY_VARIANT_ID=shva_43172711235747 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE= GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=6 AVAILABLE=YES OPTION_1_NAME=Colour OPTION_1_VALUE=Green
OPTION_2_NAME=Size OPTION_2_VALUE=6.6cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles SLUG=everyday-single-bangles
DESCRIPTION=
BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand
poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due
to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes
PRODUCT_TYPE=Bangles & Bracelets
TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | w
hite | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866
BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2020-05-14T21:15:43 CATEGORY_SLUG=best-selling-gifts-for-best-friends
FIRST.SHOPIFY_PRODUCT_ID=0 LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=16c3e8b4-2adc-4fd5-b04f-149e6342c7ee AUTHOR=Melissa S.
BODY=Everyday Single Bangles (7 Colours Avail) REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=6
COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20200514 REVIEW_COUNTS=20
_ERROR_=1 _N_=6
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.
PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.8-GREEN SHOPIFY_VARIANT_ID=shva_43172711268515 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE=, GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=7 AVAILABLE=YES OPTION_1_NAME=Colour OPTION_1_VALUE=Green
OPTION_2_NAME=Size OPTION_2_VALUE=6.8cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles SLUG=everyday-single-bangles
DESCRIPTION=
BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand
poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due
to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes
PRODUCT_TYPE=Bangles & Bracelets
TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | w
hite | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866
BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2019-12-10T01:08:57 CATEGORY_SLUG=best-selling-gifts-for-best-friends
FIRST.SHOPIFY_PRODUCT_ID=0 LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=c9e69122-1bf7-4320-a443-a0c85fbab3e6 AUTHOR=Michael C. BODY=, REPLY=
RATING=4 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=7 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0
Discount=. Ratings=4 Created_At_Reviews=20191210 REVIEW_COUNTS=20 _ERROR_=1 _N_=7
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.

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NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.

PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-7-GREEN SHOPIFY_VARIANT_ID=shva_43172711301283 SHOPIFY_PRODUCT_ID=shpr_1294345928775 TITLE=, GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=8 AVAILABLE=NO OPTION_1_NAME=Colour OPTION_1_VALUE=Green OPTION_2_NAME=Size OPTION_2_VALUE=7cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles SLUG=everyday-single-bangles DESCRIPTION= BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes PRODUCT_TYPE=Bangles & Bracelets TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | white | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866 BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2019-12-10T00:00:00 CATEGORY_SLUG=best-selling-gifts-for-bosses FIRST.SHOPIFY_PRODUCT_ID=0 LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=9636df0e-d46c-4c02-b66d-5691a28d3e14 AUTHOR=Michael C. BODY=, REPLY= RATING=4 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=8 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=4 Created_At_Reviews=20191210 REVIEW_COUNTS=20 _ERROR_=1 _N_=8

NOTE: Invalid argument to function INPUT at line 143 column 22.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.

NOTE: Invalid numeric data, 'nan' , at line 147 column 25.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.

PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.4-LILACBLUE SHOPIFY_VARIANT_ID=shva_43172711334051 SHOPIFY_PRODUCT_ID=shpr_1294345928775 TITLE=Bangle Beauty GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=9 AVAILABLE=NO OPTION_1_NAME=Colour OPTION_1_VALUE=Lilac Blue OPTION_2_NAME=Size OPTION_2_VALUE=6.4cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles SLUG=everyday-single-bangles DESCRIPTION= BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes PRODUCT_TYPE=Bangles & Bracelets TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | white | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866 BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2020-08-22T23:08:02 CATEGORY_SLUG=best-selling-gifts-for-bosses FIRST.SHOPIFY_PRODUCT_ID=0 LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=90080432-fecd-4944-a81c-7945807840fa AUTHOR=Tricia P. BODY=Ruby Olive bangles add that pop of colour to complete any outfit. There are so many beautiful colours, you can't stop at one!! REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=9 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20200822 REVIEW_COUNTS=20 _ERROR_=1 _N_=9

NOTE: Invalid argument to function INPUT at line 143 column 22.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.

NOTE: Invalid numeric data, 'nan' , at line 147 column 25.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.

PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.6-LILACBLUE SHOPIFY_VARIANT_ID=shva_43172711366819 SHOPIFY_PRODUCT_ID=shpr_1294345928775 TITLE=Rainbow Arms GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=10 AVAILABLE=NO OPTION_1_NAME=Colour OPTION_1_VALUE=Lilac Blue OPTION_2_NAME=Size OPTION_2_VALUE=6.6cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles SLUG=everyday-single-bangles DESCRIPTION= BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes PRODUCT_TYPE=Bangles & Bracelets TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | white | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866 BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2020-09-14T05:17:01 CATEGORY_SLUG=best-selling-gifts-for-grandma FIRST.SHOPIFY_PRODUCT_ID=0 LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=1036b8f1-04a8-46a1-bb08-1c58a2e19ae9 AUTHOR=Paula M. BODY=Oh I love these. There is one, two or more that go with my everyday wardrobe - so easy to pop on for a bit of color - look lovely solo but also light enough on your wrist when wearing several at once. Good fun bangles. REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=10 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20200914 REVIEW_COUNTS=20 _ERROR_=1 _N_=10

NOTE: Invalid argument to function INPUT at line 143 column 22.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.

NOTE: Invalid numeric data, 'nan' , at line 147 column 25.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.

PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.8-LILACBLUE SHOPIFY_VARIANT_ID=shva_43172711399587 SHOPIFY_PRODUCT_ID=shpr_1294345928775 TITLE=Simple e Beautiful GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=11 AVAILABLE=YES OPTION_1_NAME=Colour OPTION_1_VALUE=Lilac Blue OPTION_2_NAME=Size OPTION_2_VALUE=6.8cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles SLUG=everyday-single-bangles DESCRIPTION= BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes PRODUCT_TYPE=Bangles & Bracelets TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | white | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866 BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2020-09-24T04:23:03 CATEGORY_SLUG=best-selling-gifts-for-grandma FIRST.SHOPIFY_PRODUCT_ID=0 LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=5ed28967-18e2-4a86-8722-50a866e0e92e AUTHOR=Vivian G. BODY=I enjoy matching my bracelets with different outfits. REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=11 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20200924 REVIEW_COUNTS=20 _ERROR_=1 _N_=11

NOTE: Invalid argument to function INPUT at line 143 column 22.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.

NOTE: Invalid numeric data, 'nan' , at line 147 column 25.

NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.

PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-7-LILACBLUE SHOPIFY_VARIANT_ID=shva_43172711432355 SHOPIFY_PRODUCT_ID=shpr_1294345928775 TITLE=Love the colour range GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=12 AVAILABLE=NO OPTION_1_NAME=Colour OPTION_1_VALUE=Lilac Blue OPTION_2_NAME=Size OPTION_2_VALUE=7cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles SLUG=everyday-single-bangles DESCRIPTION= BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes PRODUCT_TYPE=Bangles & Bracelets TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | white | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866

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hite | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866
BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2020-09-28T20:24:23 CATEGORY_SLUG=best-selling-gifts-for-sisters
FIRST.SHOPIFY_PRODUCT_ID=0 LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=ca36a40a-fffc-4c9e-8b5c-1716fa2798cd AUTHOR=Debbie L.
BODY=Love the fact I can mix and match my bangles with what I'm wearing. The range of colour is wonderful and now so much easier to
match with my necklaces. REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=12 COMPARE_AT_PRICES=.
price_difference=. Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20200928 REVIEW_COUNTS=20 _ERROR_=1 _N_=12
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.
PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.4-MINT SHOPIFY_VARIANT_ID=shva_43172711465123 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE=I love these bangles .. mixing colours they GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=13 AVAILABLE=YES
OPTION_1_NAME=Colour OPTION_1_VALUE=Mint OPTION_2_NAME=Size OPTION_2_VALUE=6.4cm OPTION_3_NAME= OPTION_3_VALUE=
NAME=Everyday Single Bangles SLUG=everyday-single-bangles DESCRIPTION=
BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand
poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due
to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes
PRODUCT_TYPE=Bangles & Bracelets
TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | w
hite | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866
BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2023-11-24T14:46:40 CATEGORY_SLUG=best-selling-gifts-for-sisters
FIRST.SHOPIFY_PRODUCT_ID=0 LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=35fe325f-8975-4f6d-b2a0-40747cf49a76 AUTHOR=Carolyn
BODY=Happy colours REPLY= RATING=4 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=13 COMPARE_AT_PRICES=.
price_difference=. Discounted_Status=0 Discount=. Ratings=4 Created_At_Reviews=20231124 REVIEW_COUNTS=20 _ERROR_=1 _N_=13
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.
PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.6-MINT SHOPIFY_VARIANT_ID=shva_43172711497891 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE=BANGLES GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=14 AVAILABLE=YES OPTION_1_NAME=Colour OPTION_1_VALUE=Mint
OPTION_2_NAME=Size OPTION_2_VALUE=6.6cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles SLUG=everyday-single-bangles
DESCRIPTION=
BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand
poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due
to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes
PRODUCT_TYPE=Bangles & Bracelets
TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | w
hite | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866
BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2023-07-02T03:42:22 CATEGORY_SLUG=best-selling-products FIRST.SHOPIFY_PRODUCT_ID=0
LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=bcac6bbb-8e4b-4f8c-96ce-5a81a773586e AUTHOR=JASMIN
BODY=LOVE, LOVE...LOVE these bangles, especially the colours and they are tough REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0
Prices=22 BSR=5 Positions=14 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=5
Created_At_Reviews=20230702 REVIEW_COUNTS=20 _ERROR_=1 _N_=14
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.
PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-6.8-MINT SHOPIFY_VARIANT_ID=shva_43172711530659 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE=Gorgeous Colors Smooth Finishes & Clickitty GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=15 AVAILABLE=YES
OPTION_1_NAME=Colour OPTION_1_VALUE=Mint OPTION_2_NAME=Size OPTION_2_VALUE=6.8cm OPTION_3_NAME= OPTION_3_VALUE=
NAME=Everyday Single Bangles SLUG=everyday-single-bangles DESCRIPTION=
BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand
poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due
to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes
PRODUCT_TYPE=Bangles & Bracelets
TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | w
hite | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866
BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2021-03-09T00:23:27 CATEGORY_SLUG=best-selling-products FIRST.SHOPIFY_PRODUCT_ID=0
LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=6be72d43-26bd-4541-a356-3a907cfb9ee7 AUTHOR=Tiffany I.B.W.U.
BODY=Adding to my RO collection. I love these bangles for their array of colors, smooth slickery finish and the special sound they m
ake when you wear them stacked together. Please continue to make them. Maybe with confetti or terrazzo looking bits? REPLY=
RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=15 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0
Discount=. Ratings=5 Created_At_Reviews=20210309 REVIEW_COUNTS=20 _ERROR_=1 _N_=15
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.
PRICE=22.00 COMPARE_AT_PRICE=nan SKU=RO2310BG-7-MINT SHOPIFY_VARIANT_ID=shva_43172711563427 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE=Quality bangle GRAMS=17 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=16 AVAILABLE=YES OPTION_1_NAME=Colour OPTION_1_VALUE=Mint
OPTION_2_NAME=Size OPTION_2_VALUE=7cm OPTION_3_NAME= OPTION_3_VALUE= NAME=Everyday Single Bangles SLUG=everyday-single-bangles
DESCRIPTION=
BODY_HTML_TEXT=Our Everyday Bangles are designed to wear....well...everyday! These gorgeous super smooth bangles are made of hand
poured resin.MEASUREMENTSDiameters:6.4cm wide (approx.)6.6cm wide (approx.)6.8cm wide (approx.)7cm wide (approx.)Please note due
to the handmade nature of these bangles please allow a discrepancy of 0.1cm above/below the chosen size.Weight: 17g VENDOR=4 Sizes
PRODUCT_TYPE=Bangles & Bracelets
TAGS=bangles-bracelets | best friend | black | boss | grandma | navy | red | single bangle | sister | type_bangles and bracelets | w
hite | yellow URL= IMAGE= CREATED_AT_Products=2018-04-11 05:48:19 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45062.053866
BESTSELLER_RANK=5 REVIEW_COUNT=20 CREATED_AT=2021-01-27T07:25:04 CATEGORY_SLUG=best-selling-products FIRST.SHOPIFY_PRODUCT_ID=0
LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=976d7d37-ea3c-4b7b-b521-1f3a8efea14b AUTHOR=Sharon L.
BODY=I love this bangle. I'm building a collection of your bangles. They're so comfortable and not too big. Perfect sizing. Than
k you! REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=22 BSR=5 Positions=16 COMPARE_AT_PRICES=. price_difference=.
Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20210127 REVIEW_COUNTS=20 _ERROR_=1 _N_=16
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.

```

```

PRICE=79.00 COMPARE_AT_PRICE=nan SKU=RO2352NK-MULTI SHOPIFY_VARIANT_ID=shva_12415273304135 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE=Great service GRAMS=110 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=1 AVAILABLE=NO OPTION_1_NAME=Title
OPTION_1_VALUE=Default Title OPTION_2_NAME= OPTION_2_VALUE= OPTION_3_NAME= OPTION_3_VALUE= NAME=Paradiso Short Artisan Necklace
SLUG=paradiso-short-artisan-necklace DESCRIPTION=
BODY_HTML_TEXT=A gorgeous collar of multicolour hand-poured artisan resin discs with a smooth matte finish. Flip the beads to find y
our perfect colour combo! Each and every piece is unique... we're one-of-a-kind, just like you!MEASUREMENTSNeck drop: 24-26cmWeight:
110gWhat does 'Artisan' mean? Artisan means your new piece will be like a little piece of wearable art. We use the same colours fr
om the collection but each set will be slightly different (although they will match in terms of the colour tone). This is part of th
eir unique beauty. VENDOR=Ruby Olive PRODUCT_TYPE=Necklaces
TAGS=artisan | best friend | boss | BoxingDaySale | collection_aurora | colour_multi | grandma | multi | multicolour | mum | necklac
es | new | nosas | sale | sas | short necklace | sister | startsat60 | statement necklace | type_necklaces URL= IMAGE=
CREATED_AT_Products=2018-07-30 06:33:02 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=45140.977928 BESTSELLER_RANK=53 REVIEW_COUNT=10
CREATED_AT=2021-01-05T01:03:53 CATEGORY_SLUG=black FIRST.SHOPIFY_PRODUCT_ID=0 LAST.SHOPIFY_PRODUCT_ID=0
REVIEW_ID=e0ea10f0-13aa-4491-9ea7-cb0df2d9bc83 AUTHOR=Christine C.
BODY=The lovely bangles were the highlight of our northern beaches lockdown. Looking forward to eventually wearing them! Many thank
s
REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=79 BSR=53 Positions=1 COMPARE_AT_PRICES=. price_difference=.
Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20210105 REVIEW_COUNTS=10 _ERROR_=1 _N_=17
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.
PRICE=5.00 COMPARE_AT_PRICE=nan SKU=ERBACK-SET3 SHOPIFY_VARIANT_ID=shva_13549203259463 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE=Bangles bangles bangles GRAMS=6 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=1 AVAILABLE=YES OPTION_1_NAME=Type
OPTION_1_VALUE=Stud Backings OPTION_2_NAME= OPTION_2_VALUE= OPTION_3_NAME= OPTION_3_VALUE= NAME=Earring Backings - Stud
SLUG=earring-backings DESCRIPTION=
BODY_HTML_TEXT=Always losing fiddly little earring backings? We hear you, and we've got you covered! Grab some spares so that you'
ll never be missing one. Stud backings includes 3 pairs of premium earring backings. VENDOR=Jewel Care PRODUCT_TYPE=Earrings
TAGS=birthday | eofy | nosas | rofrenzy | sas | startsat60 URL= IMAGE= CREATED_AT_Products=2018-10-04 03:51:38
UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=44227.965266 BESTSELLER_RANK=17 REVIEW_COUNT=10 CREATED_AT=2020-11-06T20:33:48
CATEGORY_SLUG=everyday FIRST.SHOPIFY_PRODUCT_ID=0 LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=e66afdf8-e931-4657-8772-8c1e3ce05883
AUTHOR=Sabrina
BODY=I love a good bangle stack and these bangles are my go to. I love to stack 2,3 or 4 different bangles that compliment my outfit
. I adore the finish to these bangles and how each one is somewhat individual due to its handmade nature. The bangles are just per
fect.
REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=5 BSR=17 Positions=1 COMPARE_AT_PRICES=. price_difference=.
Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20201106 REVIEW_COUNTS=10 _ERROR_=1 _N_=18
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.
PRICE=15.95 COMPARE_AT_PRICE=nan SKU=DD1801SP-WHITE SHOPIFY_VARIANT_ID=shva_13613226983495 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE=Love these bangles! GRAMS=14 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=2 AVAILABLE=YES OPTION_1_NAME=Pack Type
OPTION_1_VALUE=Standard Pouch (60 Patches) OPTION_2_NAME= OPTION_2_VALUE= OPTION_3_NAME= OPTION_3_VALUE=
NAME=Dangle Dots Support Patches SLUG=dangle-dots DESCRIPTION=
BODY_HTML_TEXT=EACH PACK HAS 60 INVISIBLE SUPPORT PATCHES Instantly increases the comfort of heavier earrings and supports damaged
and stretched earlobes.Regularly wearing large or heavy earrings can not only cause discomfort and strain, but can also cause earlo
bes to tear or stretch. Dangle Dots provide instant relief from pressure and tearing and are super easy to apply. They are worn invi
sibly at the back of the earlobe in order to bear the weight of your earring. Please note: due to the single use nature of our Dang
le Dots, they are not eligible for change of mind returns due to hygiene reasons. VENDOR=Dangle Dots PRODUCT_TYPE=Earrings
TAGS=20ALL | afterpayday | birthday | BOGO | boss | eofy | FREEGIFT99 | mainevent | mayhem | noreturn | rofrenzy | SANDS | sas | sta
rtsat60 | tagged:new URL= IMAGE= CREATED_AT_Products=2018-10-12 07:04:12 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=43385.297199
BESTSELLER_RANK=0 REVIEW_COUNT=10 CREATED_AT=2020-11-04T05:52:33 CATEGORY_SLUG=everyday FIRST.SHOPIFY_PRODUCT_ID=0
LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=5a383a0a-36e6-4ae5-a598-5d162c1e230f AUTHOR=Claire V.
BODY=I have a few of these bangles in all different colours. Great for colour blocking and the texture and real life colours are lov
ely. Service always great from Ruby Olive team 😊
REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=15.95 BSR=1
Positions=2 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20201104
REVIEW_COUNTS=10 _ERROR_=1 _N_=19
NOTE: Invalid argument to function INPUT at line 143 column 22.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 144 column 21.
NOTE: Invalid numeric data, 'nan' , at line 147 column 25.
NOTE: Invalid numeric data, COMPARE_AT_PRICE='nan' , at line 149 column 31.
WARNING: Limit set by ERRORS= option reached. Further errors of this type will not be printed.
PRICE=15.95 COMPARE_AT_PRICE=nan SKU=DD1801SP-MULTI SHOPIFY_VARIANT_ID=shva_35593258336419 SHOPIFY_PRODUCT_ID=shpr_1294345928775
TITLE=Beautiful, will buy more! GRAMS=14 TAXABLE=YES REQUIRES_SHIPPING=YES POSITION=1 AVAILABLE=YES OPTION_1_NAME=Pack Type
OPTION_1_VALUE=RO x DD Pouch (60 Patches) OPTION_2_NAME= OPTION_2_VALUE= OPTION_3_NAME= OPTION_3_VALUE=
NAME=Dangle Dots Support Patches SLUG=dangle-dots DESCRIPTION=
BODY_HTML_TEXT=EACH PACK HAS 60 INVISIBLE SUPPORT PATCHES Instantly increases the comfort of heavier earrings and supports damaged
and stretched earlobes.Regularly wearing large or heavy earrings can not only cause discomfort and strain, but can also cause earlo
bes to tear or stretch. Dangle Dots provide instant relief from pressure and tearing and are super easy to apply. They are worn invi
sibly at the back of the earlobe in order to bear the weight of your earring. Please note: due to the single use nature of our Dang
le Dots, they are not eligible for change of mind returns due to hygiene reasons. VENDOR=Dangle Dots PRODUCT_TYPE=Earrings
TAGS=20ALL | afterpayday | birthday | BOGO | boss | eofy | FREEGIFT99 | mainevent | mayhem | noreturn | rofrenzy | SANDS | sas | sta
rtsat60 | tagged:new URL= IMAGE= CREATED_AT_Products=2018-10-12 07:04:12 UPDATED_AT=2023-09-30 03:46:52 PUBLISHED_AT=43385.297199
BESTSELLER_RANK=0 REVIEW_COUNT=10 CREATED_AT=2020-11-03T21:47:07 CATEGORY_SLUG=everyday FIRST.SHOPIFY_PRODUCT_ID=0
LAST.SHOPIFY_PRODUCT_ID=0 REVIEW_ID=7ad94eac-caee-46e7-89c6-3738f96d75ad AUTHOR=Catherine S.
BODY=Bought two- will definitely buy more! With sizing, I would measure carefully then err a bit on the smaller side. The bangles ar
e beautifully smooth so it's easy to get them on and off.
REPLY= RATING=5 THUMB_UP_COUNT=0 THUMB_DOWN_COUNT=0 Prices=15.95 BSR=1
Positions=1 COMPARE_AT_PRICES=. price_difference=. Discounted_Status=0 Discount=. Ratings=5 Created_At_Reviews=20201103
REVIEW_COUNTS=10 _ERROR_=1 _N_=20
NOTE: MERGE statement has more than one data set with repeats of BY values.
NOTE: Missing values were generated as a result of performing an operation on missing values.
Each place is given by: (Number of times) at (Line):(Column).
589 at 144:38 589 at 149:30
NOTE: Mathematical operations could not be performed at the following places. The results of the operations have been set to
missing values.
Each place is given by: (Number of times) at (Line):(Column).
204 at 138:8 589 at 143:22

```

```

NOTE: There were 799 observations read from the data set JEWELS.RUBY_PRODUCTANDVARIANTS.
NOTE: There were 55 observations read from the data set JEWELS.RUBY_PRODUCTANDVARIANTS.
NOTE: There were 793 observations read from the data set JEWELS.RUBY_PRODUCT_CATEGORIES.
NOTE: There were 194 observations read from the data set JEWELS.RUBY_PRODUCTANDVARIANTS.
NOTE: There were 787 observations read from the data set JEWELS.RUBY_REVIEWS.
NOTE: The data set WORK.RUBY_ANALYSIS has 799 observations and 23 variables.
NOTE: DATA statement used (Total process time):
      real time           0.01 seconds
      user cpu time       0.01 seconds
      system cpu time     0.01 seconds
      memory              6675.31k
      OS Memory           34752.00k
      Timestamp           11/01/2024 09:16:28 AM
      Step Count          398  Switch Count  1
      Page Faults         0
      Page Reclaims       1080
      Page Swaps           0
      Voluntary Context Switches  26
      Involuntary Context Switches  1
      Block Input Operations  0
      Block Output Operations 1888

186
187
188      /*Step 3:- Analysis Starts here*/
189
190
191      /* Type of data available for analysis */
192
193      ODS PDF file="/home/u63975320/Somesh_Training/Assignment 2/ SAS Assignment-2 Report.pdf" style=HTMLBlue contents=yes
193      ! startpage=no;
NOTE: Writing ODS PDF output to DISK destination "/home/u63975320/Somesh_Training/Assignment 2/ SAS Assignment-2 Report.pdf",
      printer "PDF".
194      options nodate topmargin = 1 bottommargin = 1 leftmargin = 1 rightmargin = 1 center pageno=1;
WARNING: A units value was not specified for the TOPMARGIN option. Inches will be used.
WARNING: A units value was not specified for the BOTTOMMARGIN option. Inches will be used.
WARNING: A units value was not specified for the LEFTMARGIN option. Inches will be used.
WARNING: A units value was not specified for the RIGHTMARGIN option. Inches will be used.
195      ods noproctitle;
196      ods escapechar="^";
197
198      /*Idea for Table of content adjustment:-
198      ! https://communities.sas.com/t5/SAS-Programming/ODS-PDF-report-Adjusting-position-of-Table-of-Contents/td-p/791595*/
199      /*Idea for selective printing into Report:-
199      ! https://communities.sas.com/t5/SAS-Studio/How-to-Show-First-Table-only-in-Proc-Contents/td-p/374281*/
200      /*Idea for exclusion from the report to avoid double
200      ! coding:-https://documentation.sas.com/doc/en/pgmsascdc/9.4\_3.5/odsug/p1b72ff70v3obrn16aanp1r9q2bu.htm*/
201      /*Idea for page break control in ODS PDF Report:-
201      ! https://communities.sas.com/t5/SAS-Programming/How-do-I-add-page-breaks-in-ODS-PDF-output-when-using-quot/td-p/721056*/
202
203      ods pdf startpage=now;
204      ods pdf text="^S={just=center font_weight=bold font_size=16pt} Assignment 2";
205      ods pdf text="^S={just=center font_weight=bold font_size=20pt} Insights from Ruby Olive Jewellery Store Analysis";
206      ods pdf text="^S={just=center font_weight=bold font_size=14pt} 26777 Data Processing Using SAS - Spring 2024";
207      ods pdf text="^S={just=center font_weight=bold font_size=14pt} Somesh Shanbhag - 25525837";
208
209      run;
210
211
212      ods pdf startpage=now;
213      proc contents data=ruby_analysis order=varnum;
214      Title "Variables and their Descriptions";
215      ods select "varnum";
216      run;

NOTE: PROCEDURE CONTENTS used (Total process time):
      real time           0.03 seconds
      user cpu time       0.04 seconds
      system cpu time     0.00 seconds
      memory              2592.25k
      OS Memory           33600.00k
      Timestamp           11/01/2024 09:16:28 AM
      Step Count          399  Switch Count  2
      Page Faults         0
      Page Reclaims       330
      Page Swaps           0
      Voluntary Context Switches  20
      Involuntary Context Switches  3
      Block Input Operations  0
      Block Output Operations 24

```

```

217
218      ods exclude all;
219

```

```

220      /* Sales Volume */
221
222      Title "Total Sales volume per product type" ;
223      proc summary data=ruby_analysis printalltypes order=freq descending sum maxdec=2;
224      var prices;
225      class Product_type;
226      output out=sales_volume (drop= _type_) sum=Total_value;
227      run;

```

NOTE: There were 799 observations read from the data set WORK.RUBY_ANALYSIS.

NOTE: The data set WORK.SALES_VOLUME has 24 observations and 3 variables.

NOTE: PROCEDURE SUMMARY used (Total process time):

```

real time      0.00 seconds
user cpu time   0.00 seconds
system cpu time 0.01 seconds
memory         8771.25k
OS Memory      40788.00k
Timestamp      11/01/2024 09:16:28 AM
Step Count     400  Switch Count  2
Page Faults    0
Page Reclaims  2028
Page Swaps     0
Voluntary Context Switches 27
Involuntary Context Switches 0
Block Input Operations 0
Block Output Operations 264

```

```

228
229      ods select all;
230
231      ods pdf startpage=now;
232
233      Title "Total Sales volume per product type";
234      proc print data= sales_volume label noobs;
235      Label
236      PRODUCT_TYPE = "Product Type"
237      _FREQ_ = "Number of products per category"
238      Total_value = "Sales volume";
239      Footnote justify=center "Explains the value of inventory and possible sales per category.";
240      run;

```

NOTE: There were 24 observations read from the data set WORK.SALES_VOLUME.

NOTE: PROCEDURE PRINT used (Total process time):

```

real time      0.02 seconds
user cpu time   0.02 seconds
system cpu time 0.00 seconds
memory         940.28k
OS Memory      34236.00k
Timestamp      11/01/2024 09:16:28 AM
Step Count     401  Switch Count  1
Page Faults    0
Page Reclaims  73
Page Swaps     0
Voluntary Context Switches 7
Involuntary Context Switches 1
Block Input Operations 0
Block Output Operations 16

```

```

241
242      ods pdf startpage=now;
243
244      /* Sales Volume Graph*/
245      ods graphics / reset width=6.4in height=4.8in imagemap;
246      title "Which product type on inventory can generate the highest sales volume?";
247      proc sgplot data=WORK.SALES_VOLUME noautolegend;
248      vbar PRODUCT_TYPE / response=Total_value group=Total_value
249      groupdisplay=cluster datalabel;
250      yaxis grid;
251      footnote "Earrings category has the ability to generate the highest sales";
252      run;

```

NOTE: PROCEDURE SGPLOT used (Total process time):

```

real time      0.14 seconds
user cpu time   0.05 seconds
system cpu time 0.01 seconds
memory         13103.34k
OS Memory      43452.00k
Timestamp      11/01/2024 09:16:28 AM
Step Count     402  Switch Count  3
Page Faults    0
Page Reclaims  2975
Page Swaps     0
Voluntary Context Switches 297
Involuntary Context Switches 5

```

```

Block Input Operations      0
Block Output Operations     952

```

NOTE: There were 24 observations read from the data set WORK.SALES_VOLUME.

```

253
254     ods graphics / reset;
255     /* Idea to Remove the auto legend from appearing:-
255     ! https://communities.sas.com/t5/SAS-Programming/Removing-entire-legend/td-p/703899*/
256
257     ods pdf startpage=now;
258     /* Average Pricing */
259
260     proc univariate data=ruby_analysis plots freq ;
261     Title "Customer Spending Habits";
262     var prices;
263     ODS select "Quantiles" "Plots for Prices";
264     Footnote "From the inventory analysis, it is clear that most customers spend on average between $18 to $34 with $25 being
264     ! the mean amount which is why majority of the products are priced around this range.";
265     run;

```

NOTE: PROCEDURE UNIVARIATE used (Total process time):

```

real time      0.15 seconds
user cpu time  0.07 seconds
system cpu time 0.00 seconds
memory        4608.68k
OS Memory      46320.00k
Timestamp      11/01/2024 09:16:28 AM
Step Count     403  Switch Count  3
Page Faults    0
Page Reclaims  801
Page Swaps     0
Voluntary Context Switches 360
Involuntary Context Switches 7
Block Input Operations 0
Block Output Operations 560

```

```

266
267     ods exclude all;
268
269
270
271     /* Product Ratings */
272
273     proc means data=ruby_analysis mean;
274     var ratings Review_Counts;
275     class product_type;
276     run;

```

NOTE: There were 799 observations read from the data set WORK.RUBY_ANALYSIS.

NOTE: PROCEDURE MEANS used (Total process time):

```

real time      0.00 seconds
user cpu time  0.00 seconds
system cpu time 0.01 seconds
memory        8155.39k
OS Memory      51024.00k
Timestamp      11/01/2024 09:16:28 AM
Step Count     404  Switch Count  1
Page Faults    0
Page Reclaims  1792
Page Swaps     0
Voluntary Context Switches 13
Involuntary Context Switches 0
Block Input Operations 0
Block Output Operations 0

```

```

277
278     ods select all;
279     ods pdf startpage=now;
280
281
282     proc print data=ruby_analysis noobs label;
283     Title "Products which received less than 4 rating";
284     var name ratings body vendor;
285     where ratings <= 3 AND ratings>0;
286     Label NAME = "Product Name"
287           BODY = "Customer Reply"
288           Vendor = "Vendor";
289     footnote "Both reported broken products are made in house but breakage rate is within acceptable margin of error.";
290     run;

```

NOTE: There were 2 observations read from the data set WORK.RUBY_ANALYSIS.

WHERE (ratings>0 and ratings<=3);

NOTE: PROCEDURE PRINT used (Total process time):

```

real time          0.01 seconds
user cpu time      0.02 seconds
system cpu time    0.00 seconds
memory             1748.15k
OS Memory          44864.00k
Timestamp          11/01/2024 09:16:28 AM
Step Count         405   Switch Count  2
Page Faults        0
Page Reclaims      260
Page Swaps         0
Voluntary Context Switches  23
Involuntary Context Switches 0
Block Input Operations  0
Block Output Operations  16

```

```

291
292     ods exclude all;
293
294     proc freq data=ruby_analysis;
295     table ratings/nocum out=Ratings_for_products;
296     run;

```

NOTE: There were 799 observations read from the data set WORK.RUBY_ANALYSIS.
 NOTE: The data set WORK.RATINGS_FOR_PRODUCTS has 4 observations and 3 variables.
 NOTE: PROCEDURE FREQ used (Total process time):

```

real time          0.00 seconds
user cpu time      0.00 seconds
system cpu time    0.00 seconds
memory             1877.12k
OS Memory          45124.00k
Timestamp          11/01/2024 09:16:28 AM
Step Count         406   Switch Count  2
Page Faults        0
Page Reclaims      344
Page Swaps         0
Voluntary Context Switches  22
Involuntary Context Switches 1
Block Input Operations  0
Block Output Operations  528

```

```

297
298     ods pdf startpage=now;
299     ods select all;
300
301     proc print data=Ratings_for_products noobs label;
302     title "Total Ratings recieved for all products.";
303     where Ratings not is missing;
304     label
305         Count = "Number of Products"
306         Percent = "% of Total Products";
307     format
308         Count 10.0
309         Percent 10.2;
310     footnote1 "Rating system - 5 is best and 1 is the worst";
311     footnote2 "94% of products have a rating of 5";
312     run;

```

NOTE: There were 3 observations read from the data set WORK.RATINGS_FOR_PRODUCTS.
 WHERE Ratings is not null;

NOTE: PROCEDURE PRINT used (Total process time):

```

real time          0.00 seconds
user cpu time      0.01 seconds
system cpu time    0.01 seconds
memory             986.87k
OS Memory          44224.00k
Timestamp          11/01/2024 09:16:28 AM
Step Count         407   Switch Count  3
Page Faults        0
Page Reclaims      98
Page Swaps         0
Voluntary Context Switches  21
Involuntary Context Switches 1
Block Input Operations  0
Block Output Operations  8

```

```

313
314     ods exclude all;
315
316     ods pdf startpage=now;
317
318     /* Bestseller ranking by product type*/
319
320     proc freq data=ruby_analysis ;

```

```

321     tables BSR*Product_type*prices/ list nocum out=BSR_rank;
322     run;

```

NOTE: There were 799 observations read from the data set WORK.RUBY_ANALYSIS.

NOTE: The data set WORK.BSR_RANK has 261 observations and 5 variables.

NOTE: PROCEDURE FREQ used (Total process time):

```

real time          0.00 seconds
user cpu time      0.00 seconds
system cpu time    0.00 seconds
memory            2635.15k
OS Memory          45904.00k
Timestamp          11/01/2024 09:16:28 AM
Step Count         408   Switch Count   5
Page Faults        0
Page Reclaims      536
Page Swaps         0
Voluntary Context Switches  36
Involuntary Context Switches 0
Block Input Operations  0
Block Output Operations 1320

```

```

323
324     ods select all;
325
326     proc print data=BSR_rank (obs=16) noobs label;
327     Title "Top Selling product categories";
328     where BSR not is missing;
329     label BSR = "Bestseller Rank"
330           PRODUCT_TYPE = "Product Type"
331           Prices = "Price"
332           COUNT= " Number of Products"
333           PERCENT = "% of Total Products";
334     format
335           Count 10.0
336           Percent 10.2;
337     Footnote "From the table above, it is clear that Ruby Olive earrings are very popular among their customers.";
338     run;

```

NOTE: There were 16 observations read from the data set WORK.BSR_RANK.

WHERE BSR is not null;

NOTE: PROCEDURE PRINT used (Total process time):

```

real time          0.02 seconds
user cpu time      0.02 seconds
system cpu time    0.00 seconds
memory            1159.84k
OS Memory          44224.00k
Timestamp          11/01/2024 09:16:28 AM
Step Count         409   Switch Count   2
Page Faults        0
Page Reclaims      100
Page Swaps         0
Voluntary Context Switches  14
Involuntary Context Switches 1
Block Input Operations  0
Block Output Operations  8

```

```

339     ods pdf startpage=now;
340     /* Number of products on discount*/
341     proc format;
342     value discount_check
343     1 = "Discounted"
344     0 = "Full Price";
NOTE: Format DISCOUNT_CHECK is already on the library WORK.FORMATS.
NOTE: Format DISCOUNT_CHECK has been output.
345     run;

```

NOTE: PROCEDURE FORMAT used (Total process time):

```

real time          0.00 seconds
user cpu time      0.00 seconds
system cpu time    0.00 seconds
memory            244.78k
OS Memory          43704.00k
Timestamp          11/01/2024 09:16:28 AM
Step Count         410   Switch Count   0
Page Faults        0
Page Reclaims      14
Page Swaps         0
Voluntary Context Switches  0
Involuntary Context Switches 0
Block Input Operations  0
Block Output Operations  32

```

346

```

347      proc freq data=ruby_analysis;
348      Title "Number of products on Discount";
349      tables Discounted_status/ nocum;
350      format Discounted_status discount_check.;
351      Footnote "Ruby Olive have 210 products on sale currently.";
352      run;

```

NOTE: There were 799 observations read from the data set WORK.RUBY_ANALYSIS.

NOTE: PROCEDURE FREQ used (Total process time):

```

real time      0.01 seconds
user cpu time   0.01 seconds
system cpu time 0.00 seconds
memory         1803.62k
OS Memory      44864.00k
Timestamp      11/01/2024 09:16:28 AM
Step Count     411  Switch Count  3
Page Faults    0
Page Reclaims  279
Page Swaps     0
Voluntary Context Switches 26
Involuntary Context Switches 1
Block Input Operations 0
Block Output Operations 280

```

```

353
354      ods exclude all;
355      ods pdf startpage=now;
356
357      /*Discount by Product_type*/
358      proc summary data=ruby_analysis print mean maxdec=2 ;
359      var prices price_difference discount COMPARE_AT_PRICES;
360      class product_type;
361      where COMPARE_AT_PRICES not is missing;
362      output out=product_discounts;
363      run;

```

NOTE: There were 210 observations read from the data set WORK.RUBY_ANALYSIS.

WHERE COMPARE_AT_PRICES is not null;

NOTE: The data set WORK.PRODUCT_DISCOUNTS has 60 observations and 8 variables.

NOTE: PROCEDURE SUMMARY used (Total process time):

```

real time      0.00 seconds
user cpu time   0.00 seconds
system cpu time 0.01 seconds
memory         8106.67k
OS Memory      50516.00k
Timestamp      11/01/2024 09:16:28 AM
Step Count     412  Switch Count  4
Page Faults    0
Page Reclaims  1726
Page Swaps     0
Voluntary Context Switches 29
Involuntary Context Switches 1
Block Input Operations 0
Block Output Operations 264

```

```

364
365      ods select all;
366      ods pdf startpage=now;
367
368      %let type = Bracelets and Bangles;
369      /*
370      Please choose from the following Options:-
371      Bag Hook
372      Bracelets and Bangles
373      Brooches & Pins
374      Earrings
375      Gift Packs
376      Lanyards
377      Lens Cloth
378      Necklaces
379      Pet Products
380      Puzzles
381      Sale
382      */
383
384      proc print data=product_discounts noobs label;
385      Title "Discount details for chosen product categories";
386      var PRODUCT_TYPE _FREQ_COMPARE_AT_PRICES Prices price_difference Discount ;
387      where PRODUCT_TYPE not is missing AND _STAT_ = "MEAN" AND PRODUCT_TYPE = "&type";
388      Label
389      _FREQ_ = "Number of Products"
390      Prices = "Final Mean Price"
391      COMPARE_AT_PRICES = "Old Mean Price"
392      price_difference = "Price Difference"

```

```

393     Discount = "Discount %";
394     format
395     Prices 10.2
396     price_difference 10.2
397     Discount 10.2
398     COMPARE_AT_PRICES 10.2;
399     Footnote "Designed to print discount details of any chosen product type using a macro.";
400     run;

```

NOTE: There were 1 observations read from the data set WORK.PRODUCT_DISCOUNTS.

WHERE (PRODUCT_TYPE is not null) and (_STAT_='MEAN') and (PRODUCT_TYPE='Bracelets and Bangles');

NOTE: PROCEDURE PRINT used (Total process time):

```

real time          0.00 seconds
user cpu time      0.00 seconds
system cpu time    0.00 seconds
memory            1073.03k
OS Memory          44224.00k
Timestamp          11/01/2024 09:16:28 AM
Step Count                    413  Switch Count  2
Page Faults                  0
Page Reclaims                96
Page Swaps                   0
Voluntary Context Switches   16
Involuntary Context Switches 0
Block Input Operations        0
Block Output Operations      8

```

```

401
402     ods pdf startpage=now;
403     /*Correlation between price and Bestseller ranking*/
404     ods graphics / reset width=6.4in height=4.8in imagemap;
405     Title "Checking the Correlation between price and Bestseller ranking";
406     proc sgplot data=WORK.RUBY_ANALYSIS;
407     reg x=Prices y=BSR / nomarkers cli alpha=0.05;
408     scatter x=Prices y=BSR /;
409     xaxis grid;
410     yaxis grid;
411     Footnote " ";
412     run;

```

NOTE: PROCEDURE SGPLOT used (Total process time):

```

real time          0.20 seconds
user cpu time      0.09 seconds
system cpu time    0.01 seconds
memory            3323.50k
OS Memory          45436.00k
Timestamp          11/01/2024 09:16:28 AM
Step Count                    414  Switch Count  2
Page Faults                  0
Page Reclaims              436
Page Swaps                0
Voluntary Context Switches  263
Involuntary Context Switches 2
Block Input Operations        0
Block Output Operations    1088

```

NOTE: HTML data tips have been disabled for at least one plot because the threshold has been reached. You can set TIPMAX=800 in the ODS GRAPHICS statement to produce data tips for all plots.

NOTE: There were 799 observations read from the data set WORK.RUBY_ANALYSIS.

```

413
414     ods graphics / reset;
415
416
417     ods graphics / reset width=6.4in height=4.8in imagemap;
418
419     ods pdf startpage=now;
420     /*Linear Regression to analyze best seller rankings*/
421
422     Title "Linear Regression to understand Bestseller Rankings";
423     proc glmselect data=WORK.RUBY_ANALYSIS outdesign(addinputvars)=Work.reg_design;
424     class PRODUCT_TYPE AVAILABLE VENDOR TAXABLE / param=glm;
425     model BSR=Prices Ratings REVIEW_COUNTS COMPARE_AT_PRICES Discounted_Status
426     PRODUCT_TYPE AVAILABLE VENDOR TAXABLE / showpvalues selection=none;
427     ODS select ParameterEstimates FitStatistics;
428     run;

```

NOTE: The CLASS variable TAXABLE has only one level: 'YES'.

NOTE: There were 799 observations read from the data set WORK.RUBY_ANALYSIS.

NOTE: The data set WORK.REG_DESIGN has 799 observations and 39 variables.

NOTE: PROCEDURE GLMSELECT used (Total process time):

```

real time          0.04 seconds
user cpu time      0.05 seconds
system cpu time    0.00 seconds
memory            4703.87k

```

```
OS Memory          46144.00k
Timestamp          11/01/2024 09:16:28 AM
Step Count         415   Switch Count   3
Page Faults        0
Page Reclaims      421
Page Swaps         0
Voluntary Context Switches 31
Involuntary Context Switches 4
Block Input Operations 0
Block Output Operations 2312

429
430      ODS PDF CLOSE;
NOTE: ODS PDF printed 13 pages to /home/u63975320/Somesh_Training/Assignment 2/ SAS Assignment-2 Report.pdf.
431
432      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
442
```

Results: Assignment 2_SAS.sas

Data Set Name	JEWELS.RUBY_REVIEWS	Observations	1258
Member Type	DATA	Variables	10
Engine	V9	Indexes	0
Created	11/01/2024 20:16:28	Observation Length	1263
Last Modified	11/01/2024 20:16:28	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	YES
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	13
First Data Page	1
Max Obs per Page	103
Obs in First Data Page	101
Number of Data Set Repairs	0
Filename	/home/u63975320/Somesh_Training/ruby_reviews.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	11147119691
Access Permission	rw-r--r--
Owner Name	u63975320
File Size	2MB
File Size (bytes)	1835008

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
3	AUTHOR	Char	20	\$20.	\$20.	AUTHOR
5	BODY	Char	650	\$650.	\$650.	BODY
10	CREATED_AT	Char	20	\$20.	\$20.	CREATED_AT
7	RATING	Char	1	\$1.	\$1.	RATING
6	REPLY	Char	435	\$435.	\$435.	REPLY
2	REVIEW_ID	Char	36	\$36.	\$36.	REVIEW_ID
1	SHOPIFY_PRODUCT	Char	18	\$18.	\$18.	SHOPIFY_PRODUCT
9	THUMB_DOWN_COUNT	Char	1	\$1.	\$1.	THUMB_DOWN_COUNT
8	THUMB_UP_COUNT	Char	1	\$1.	\$1.	THUMB_UP_COUNT
4	TITLE	Char	81	\$81.	\$81.	TITLE

Sort Information	
Sortedby	SHOPIFY_PRODUCT
Validated	YES
Character Set	ASCII

Variables and their Descriptions

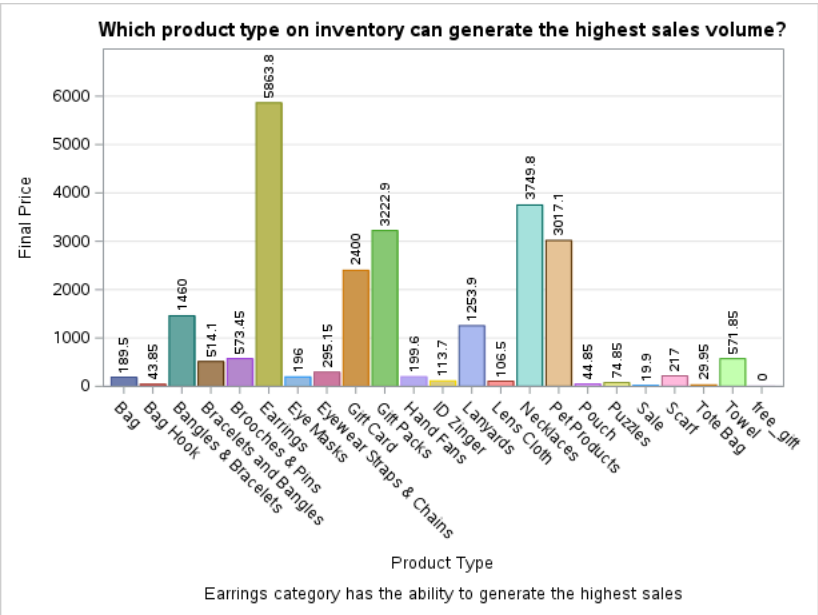
Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
1	SKU	Char	67	\$67.	\$67.	Stock ID
2	SHOPIFY_VARIANT_ID	Char	19	\$19.	\$19.	Shopify Variant ID
3	SHOPIFY_PRODUCT_ID	Char	18	\$18.	\$18.	Shopify Product ID
4	TITLE	Char	44	\$44.	\$44.	Title
5	GRAMS	Char	3	\$3.	\$3.	Weight in grams
6	TAXABLE	Char	3	\$3.	\$3.	Taxable
7	REQUIRES_SHIPPING	Char	3	\$3.	\$3.	Shipping Requirement
8	AVAILABLE	Char	3	\$3.	\$3.	Stock Availability

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
9	NAME	Char	70	\$70.	\$70.	Name
10	VENDOR	Char	36	\$36.	\$36.	Vendor
11	PRODUCT_TYPE	Char	23	\$23.	\$23.	Product Type
12	CREATED_AT_Products	Char	19	\$19.	\$19.	Creation Date (Products)
13	BODY	Char	650	\$650.	\$650.	Review Description
14	Prices	Num	8			Final Price
15	BSR	Num	8			Bestseller Rank
16	Positions	Num	8			
17	COMPARE_AT_PRICES	Num	8			Old Price
18	price_difference	Num	8			Price Difference
19	Discounted_Status	Num	8			Discounted Status
20	Discount	Num	8			
21	Ratings	Num	8			
22	Created_At_Reviews	Char	19			Creation Date (Reviews)
23	REVIEW_COUNTS	Num	8			Review Count

Total Sales volume per product type

Product Type	Number of products per category	Sales volume
Earrings	257	5863.85
Pet Products	87	3017.09
Necklaces	80	3749.80
Bangles & Bracelets	70	1460.00
Lanyards	67	1253.85
Gift Packs	52	3222.90
Brooches & Pins	36	573.45
Gift Card	26	2400.00
Bracelets and Bangles	22	514.10
Eyewear Straps & Chains	17	295.15
Lens Cloth	11	106.50
Towel	11	571.85
Bag	10	189.50
Hand Fans	8	199.60
ID Zinger	6	113.70
Eye Masks	4	196.00
Puzzles	3	74.85
Bag Hook	3	43.85
Pouch	3	44.85
Scarf	3	217.00
Sale	2	19.90
free_gift	1	0.00
Tote Bag	1	29.95
	780	24157.74

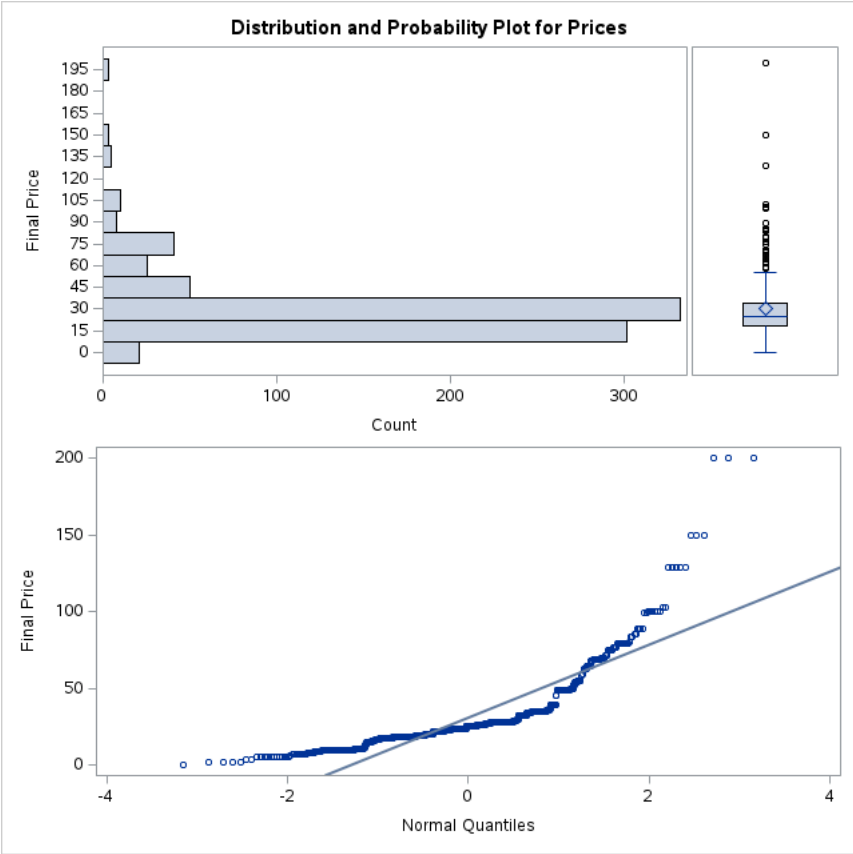
Explains the value of inventory and possible sales per category.



Customer Spending Habits

Variable: Prices (Final Price)

Quantiles (Definition 5)	
Level	Quantile
100% Max	200.00
99%	129.00
95%	79.00
90%	63.00
75% Q3	33.95
50% Median	24.95
25% Q1	18.00
10%	9.95
5%	8.95
1%	5.00
0% Min	0.00



From the inventory analysis, it is clear that most customers spend on average between \$18 to \$34 with \$25 being the mean amount which is why majority of the products are priced around this range.

Products which received less than 4 rating

Product Name	Ratings	Customer Reply	Vendor
Rainbow Reef Necklace	1	It broke after wearing it three times.	Ruby Olive
Colour Me Happy Drop Earring (10 Colours)	1	It broke after wearing it three times.	Ruby Olive

Both reported broken products are made in house but breakage rate is within acceptable margin of error.

Total Ratings recieved for all products.

Ratings	Number of Products	% of Total Products
1	2	0.25
4	39	4.92
5	751	94.82

Rating system - 5 is best and 1 is the worst
94% of products have a rating of 5

Top Selling product categories

Bestseller Rank	Product Type	Price	Number of Products	% of Total Products
1	Earrings	15.95	4	0.67
1	Necklaces	49.00	2	0.34
2	Lanyards	19.95	8	1.34
3	Earrings	28.00	43	7.23

Bestseller Rank	Product Type	Price	Number of Products	% of Total Products
4	Earrings	24.00	26	4.37
5	Bangles & Bracelets	22.00	16	2.69
6	Earrings	26.00	16	2.69
7	Earrings	35.00	2	0.34
8	Earrings	22.40	6	1.01
9	Earrings	8.95	6	1.01
10	Necklaces	36.00	2	0.34
11	Earrings	5.00	1	0.17
12	Earrings	28.00	13	2.18
13	Earrings	35.00	12	2.02
14	Earrings	7.95	3	0.50
15	Lanyards	17.95	4	0.67

From the table above, it is clear that Ruby Olive earrings are very popular among their customers.

Number of products on Discount

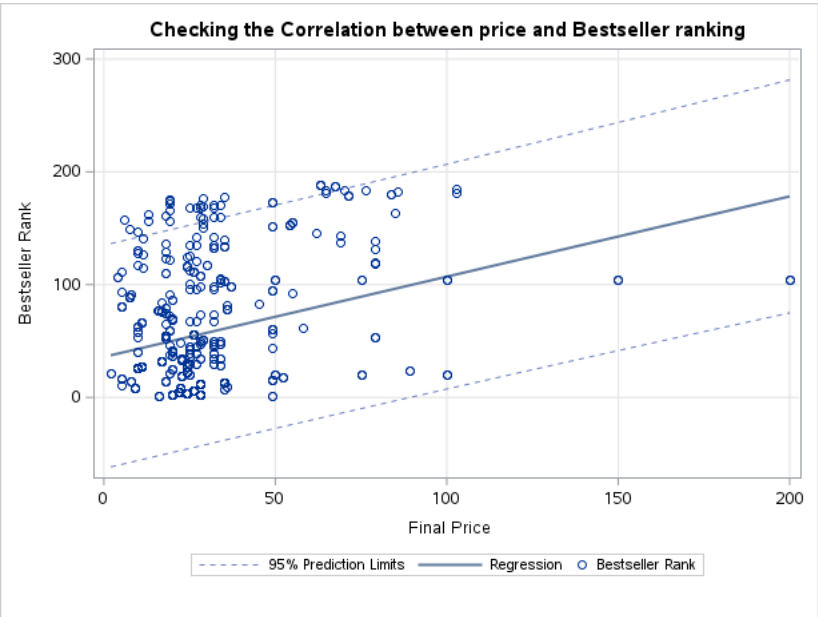
Discounted Status		
Discounted_Status	Frequency	Percent
Full Price	589	73.72
Discounted	210	26.28

Ruby Olive have 210 products on sale currently.

Discount details for chosen product categories

Product Type	Number of Products	Old Mean Price	Final Mean Price	Price Difference	Discount %
Bracelets and Bangles	5	16.00	9.95	6.05	37.81

Designed to print discount details of any chosen product type using a macro.



Linear Regression to understand Bestseller Rankings

Least Squares Model (No Selection)

Root MSE	16.63169
Dependent Mean	55.09483
R-Square	0.8765
Adj R-Sq	0.8580
AIC	785.00724
AICC	791.25214
SBC	711.06468

Parameter Estimates					
Parameter	DF	Estimate	Standard Error	t Value	Pr > t
Intercept	1	86.309989	39.157599	2.20	0.0298
Prices	1	1.556941	0.393893	3.95	0.0001
Ratings	1	7.897472	6.819230	1.16	0.2496
REVIEW_COUNTS	1	-4.514047	0.930673	-4.85	<.0001

Parameter Estimates					
Parameter	DF	Estimate	Standard Error	t Value	Pr > t
COMPARE_AT_PRICES	1	-0.745304	0.480093	-1.55	0.1237
Discounted_Status	0	0	.	.	.
PRODUCT_TYPE Bag Hook	1	26.418474	19.276131	1.37	0.1736
PRODUCT_TYPE Brooches & Pins	1	-20.197925	13.811410	-1.46	0.1468
PRODUCT_TYPE Earrings	1	-60.426962	15.725116	-3.84	0.0002
PRODUCT_TYPE Gift Packs	1	-32.207836	21.035804	-1.53	0.1289
PRODUCT_TYPE Necklaces	1	-79.714320	17.363078	-4.59	<.0001
PRODUCT_TYPE Pet Products	1	-0.578941	16.836149	-0.03	0.9726
PRODUCT_TYPE Puzzles	1	-48.302719	22.274946	-2.17	0.0325
PRODUCT_TYPE Sale	0	0	.	.	.
AVAILABLE NO	1	-15.587216	8.865438	-1.76	0.0818
AVAILABLE YES	0	0	.	.	.
VENDOR Charity By Design	1	12.674971	22.985970	0.55	0.5826
VENDOR Limited Run	1	9.988558	22.726142	0.44	0.6612
VENDOR Ruby Olive	1	23.913779	12.694720	1.88	0.0625
VENDOR Ruby Olive Jewellery	0	0	.	.	.
TAXABLE YES	0	0	.	.	.