



# Swarovski & GUESS Jewelry

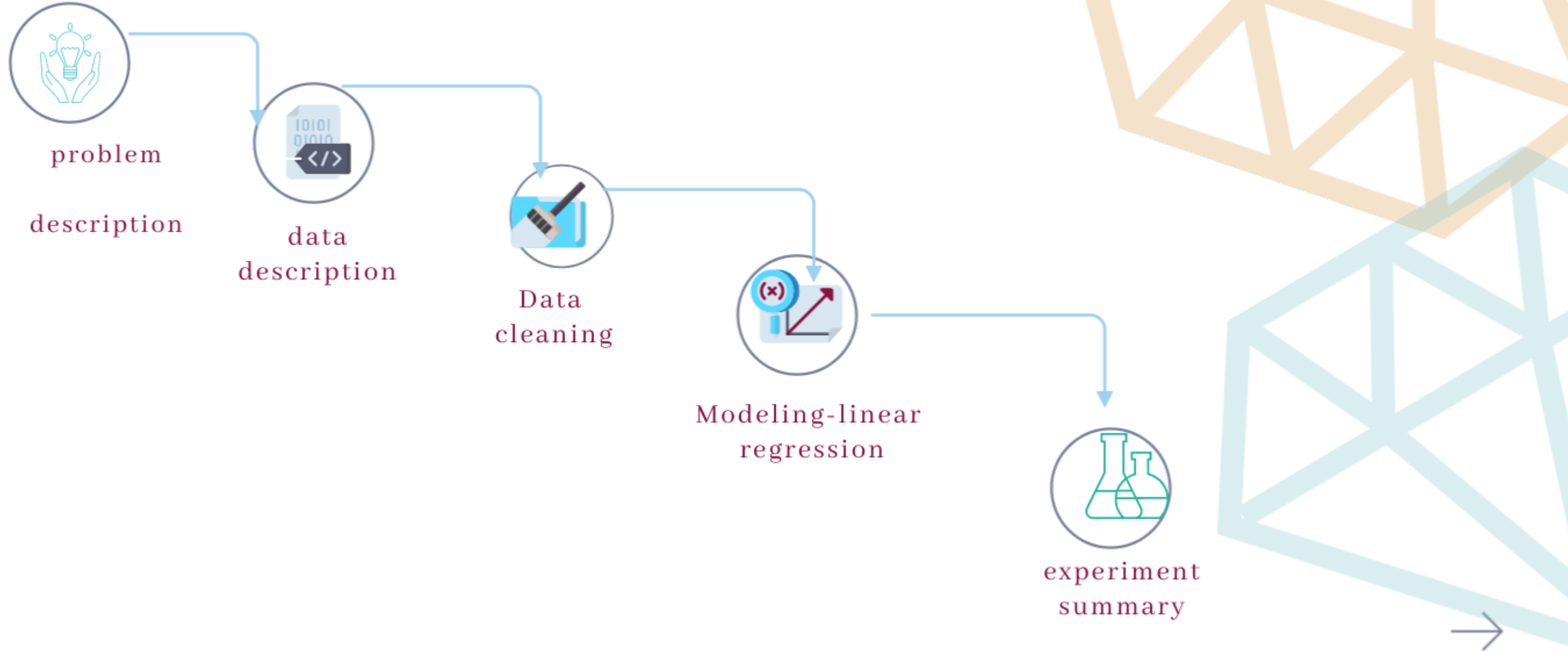
Using Linear Regression To Predict The Price Of  
Swarovski & Guess  
Jewelry

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# Table of Contents:



# Problem Description:



predict the  
prices of  
Swarovski &  
GUESS jewelry  
in the future.



# Data Description:



Data will be scraped  
from the Amazon  
website By  
beautiful soup .

**web scribing**



brand  
rating  
price  
review  
Type

**features**



price

**target**



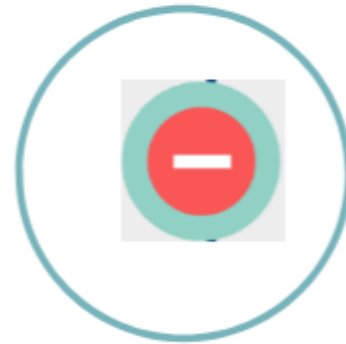
# Dataset Exploration(Data Cleaning)



correlation



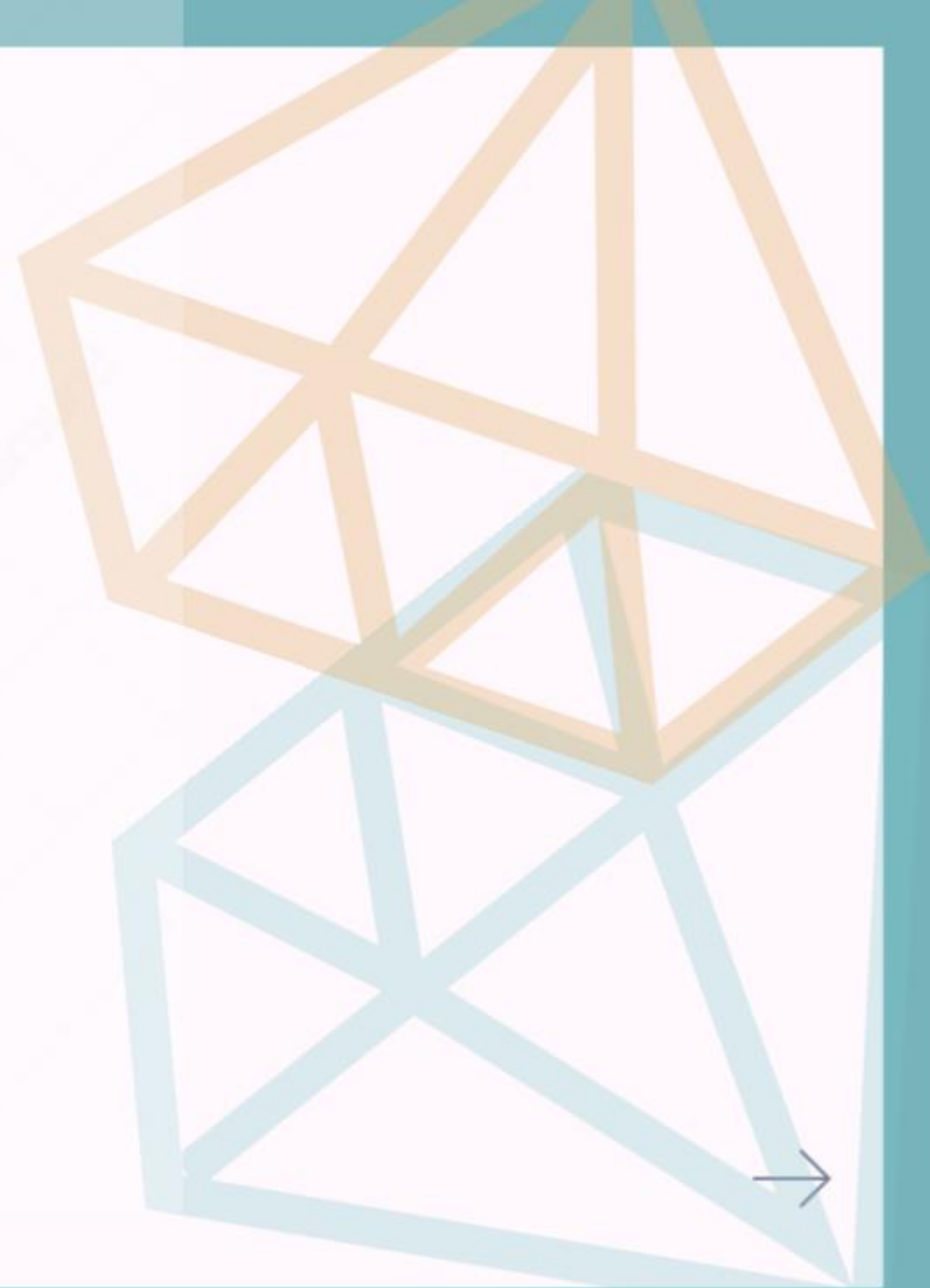
Duplicate



null  
value



# Modeling-linear regression



# Baseline Model:

**Training  
score**

0.615

**Validation  
mean score**

0.604



# Experiment#1 (log ):

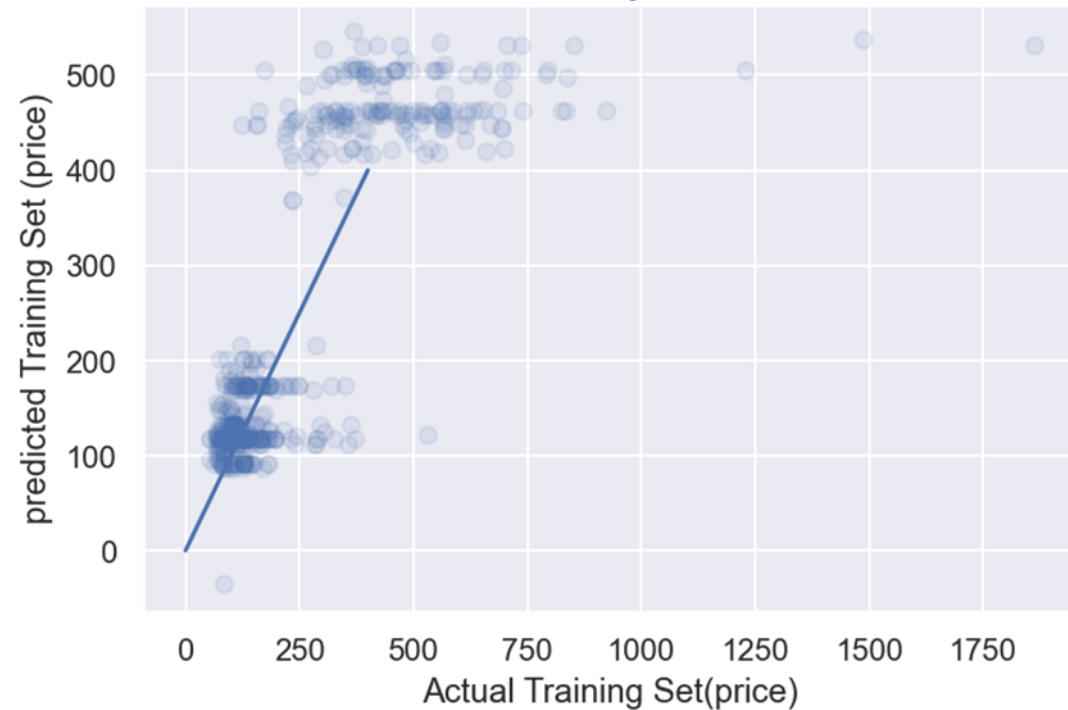
**Training  
Score**

0.615 → 0.747

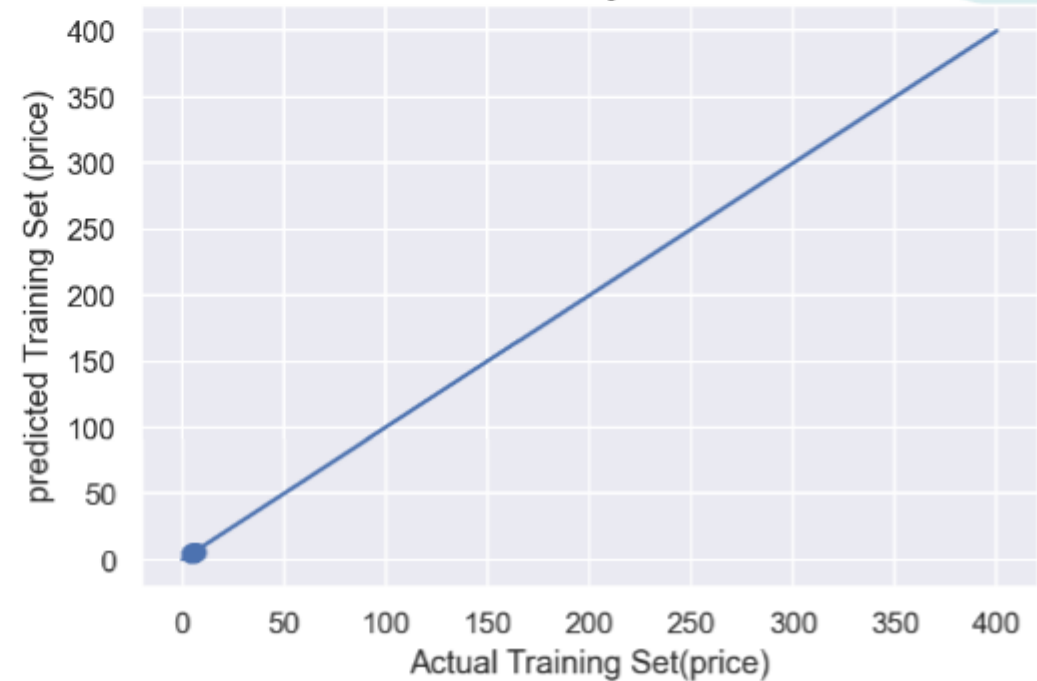
**Validation  
Score**

0.603 → 0.742

Actual vs. predicted



Actual vs. predicted





# Experiment Summary :

	Training score:	Validation score:
log	0.747	0.742
Lasso	0.614	0.604
Ridge	0.615	0.604





THANK YOU

**Any Question!** 

