



GOAL

DISCOVER WINERY MARKET TRENDS

AND CUSTOMER PREFERENCES



SURVEYETNA WINES



TOOL SAS



ANALYSIS

UNIVARIATE AND MULTIVARIATE



QUESTIONNAIRE STRUCTURE



RESPONDENTS

247 people answered the questionnaire.



QUESTIONS

23 questions divided in four sections: wine preferences, buying experiences, Etna Doc experience and

socio-economic

characteristics



LANGUAGES

Italian and English versions.



MISSING VALUES

Categorical values
replaced with mode and
numerical replaced with
median.



SOCIO-ECONOMIC CHARACTERISTICS

GENDER AND AGE

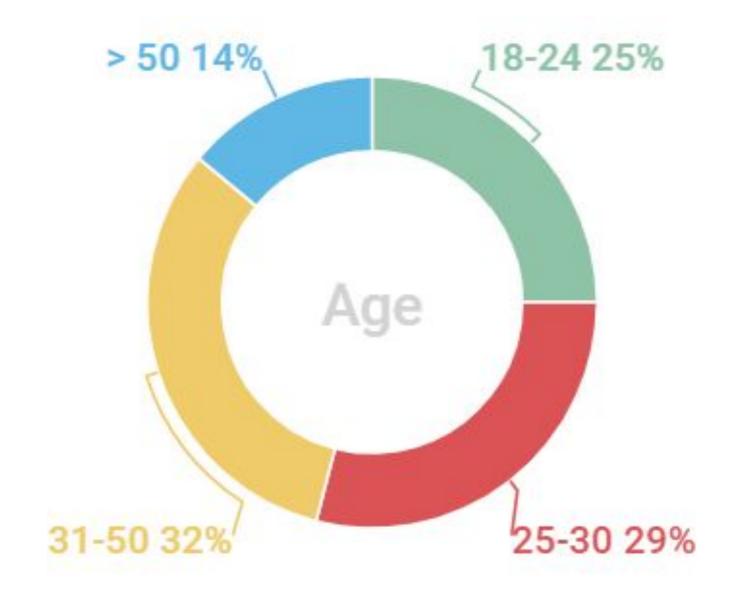


115 WOMEN



126 MEN





LOCATION









SICILY

WORLD (NO EU)

EU (NO ITALY)

ITALY (NO SICILY)

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75,30% 10,12%

7,69%

6,88%

EDUCATION AND OCCUPATION



PRIMARY SCHOOL

1%



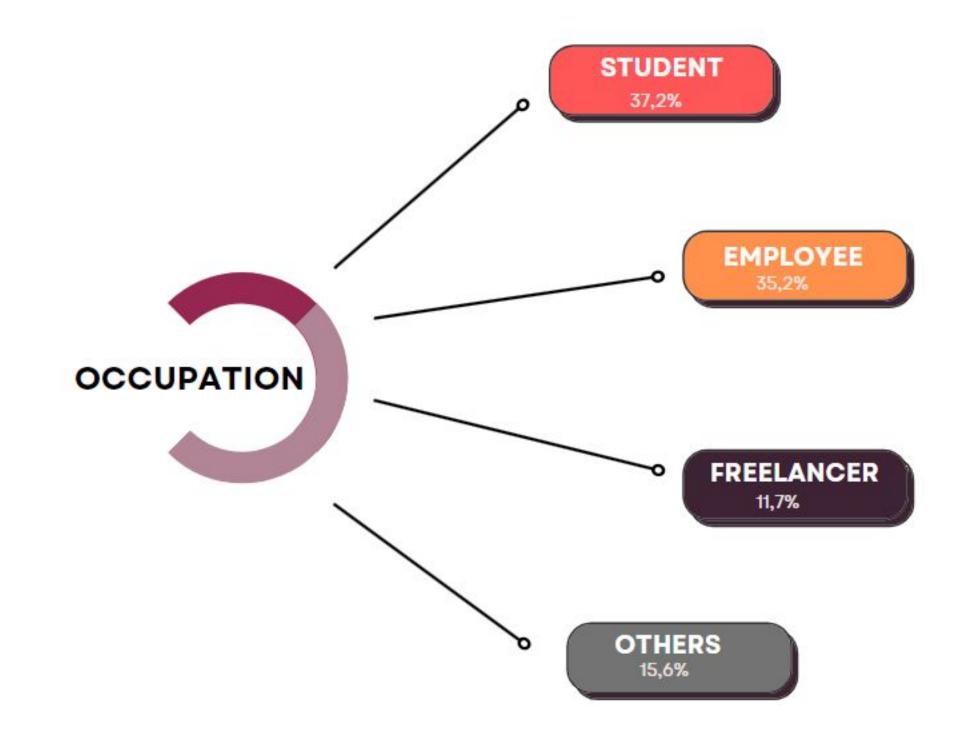
HIGH SCHOOL

28%



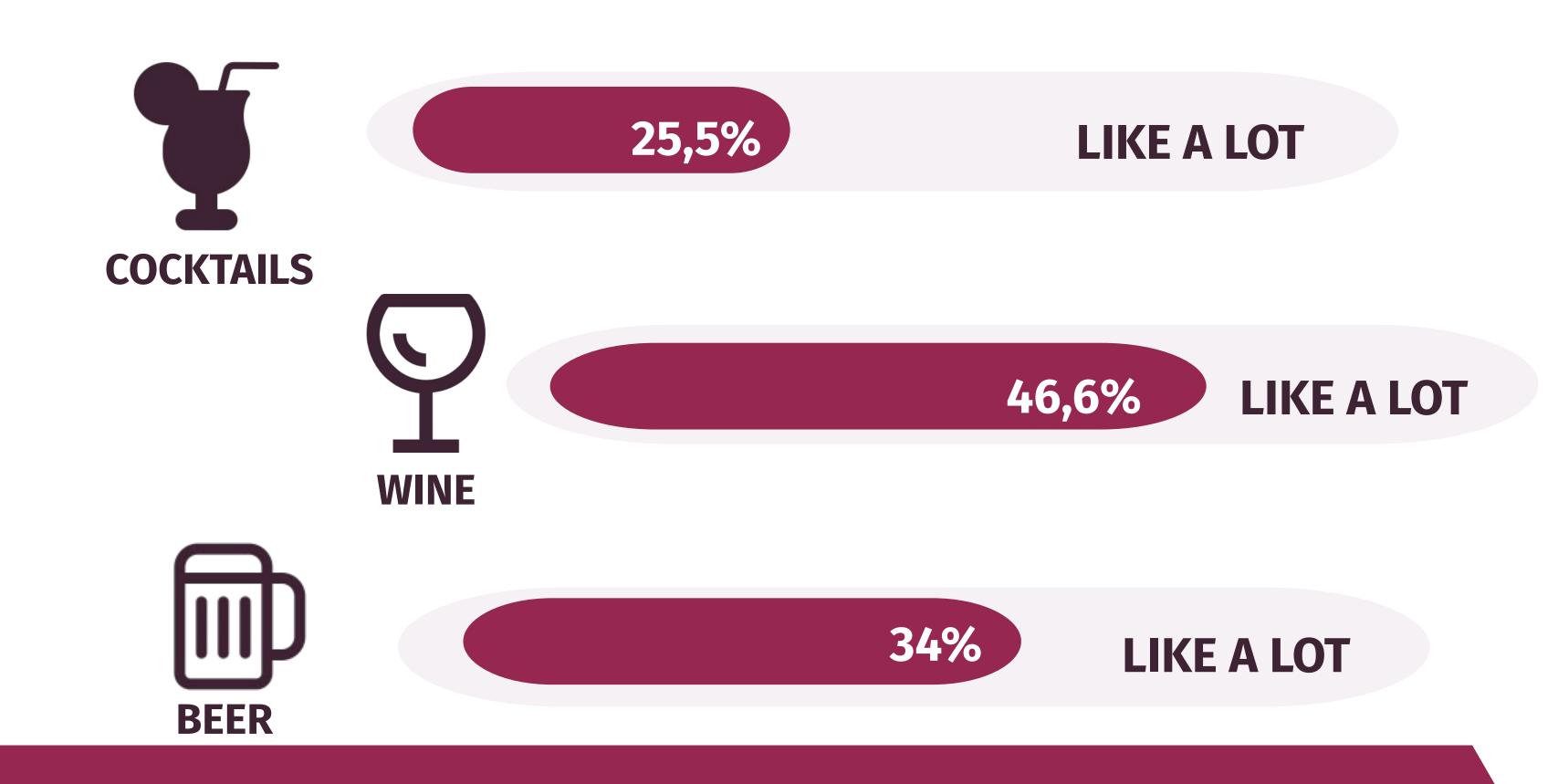
UNIVERSITY DEGREE

71%



WINE PREFERENCES

DRINK PREFERENCE

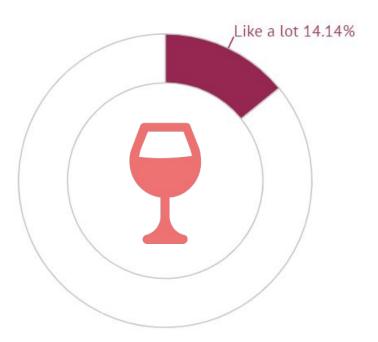


TYPES OF WINE PREFERENCE

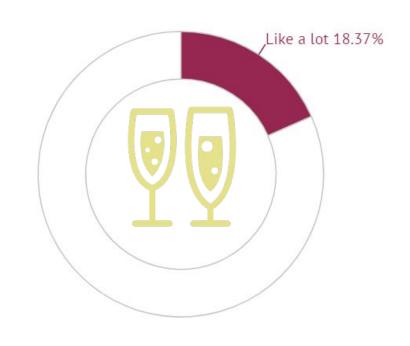
RED WINE



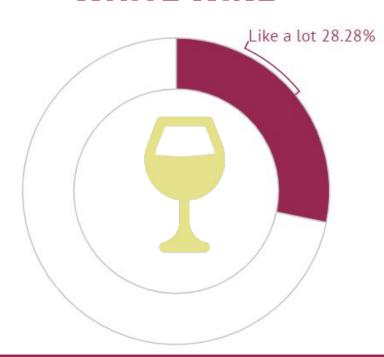
ROSÉ WINE



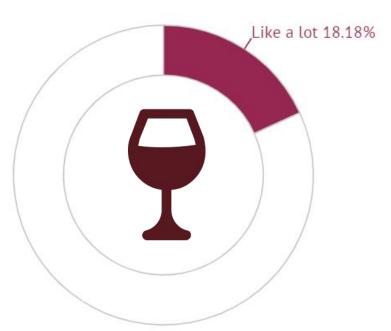
SPARKLING WINE



WHITE WINE



SWEET WINE



WINE TASTING AND WINERY VISIT



WINE TASTING

Participated in a wine tasting experience at least once.



WINERY VISIT

60%

Visited a winery at least once.

COURSES AND GENERAL KNOWLEDGE ABOUT WINE



ATTENDED AN IN-DEPTH WINE COURSE

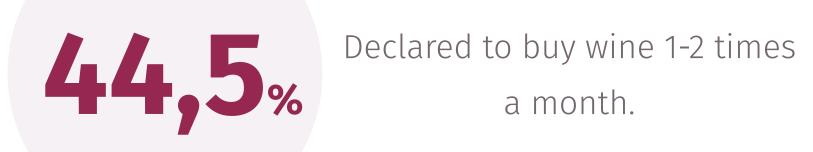
82% ····NO

WINE BUYING EXPERIENCE

PURCHASE FREQUENCY AND NUMBER OF BOTTLES









Declared to buy 2-3 bottles of wine a month.

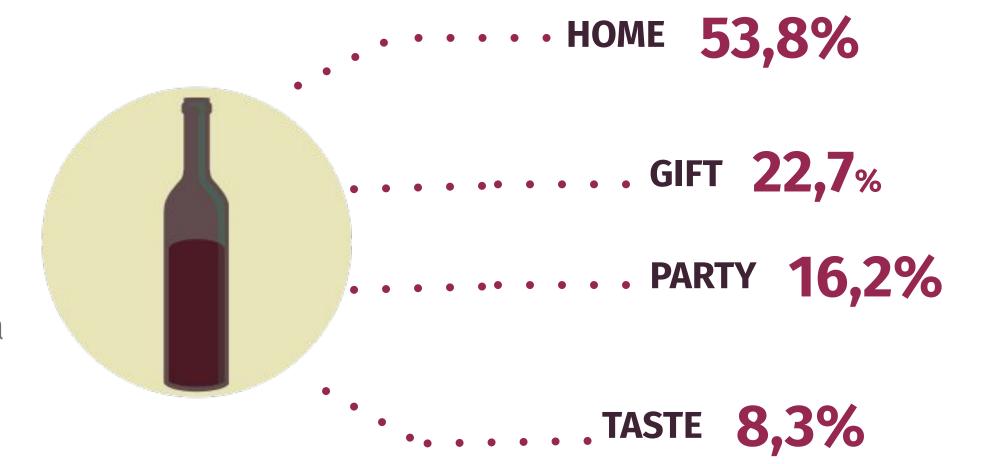
WINE EXPENSES, REASONS TO BUY AND PANDEMIC EFFECTS

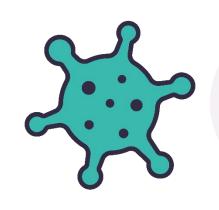






Of the people spend in 61,5% average 5 to 15 euro in a bottle of wine.







24,3% increased the wine buying habits during pandemic.

59,5% did not change the wine buying habits during pandemic.



16,2% decreased the wine buying habits during pandemic.

BUYING FREQUENCY IN SOME STORES



34,8%

Declared to buy wine at supermarket every time.



8,5%

Declared to buy at wine shop every time.



1,2%

Declared to buy wine online every time.

IMPORTANCE OF FEATURES WHEN BUYING WINE



GRAPE ORIGIN

27,1%

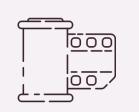




BUDGET FRIENDLY

of people who consider these features extremely

important.



VINTAGE

14,6%



BRAND AWARENESS

18,2%

LABEL INFO



PACKAGING

9,7%



PROMOTION

ETNA DOC. WINE

ETNA WINE AWARENESS

% of people that already heard about Etna Wine before.







% of people that already bought Etna Wine before.

*10,1% of people don't know if they bought Etna Wine or not.

ETNA WINE PREFERENCE AMONG OTHERS AND RECOMMENDATION



% of people that prefer Etna Wine way more than other Wines.

74,90%

% of people that would strongly recommend Etna Wine to Family and friends.



ETNA WINE FEATURES

FLAVOR

84,2%

EXCELLENCES

88,3%



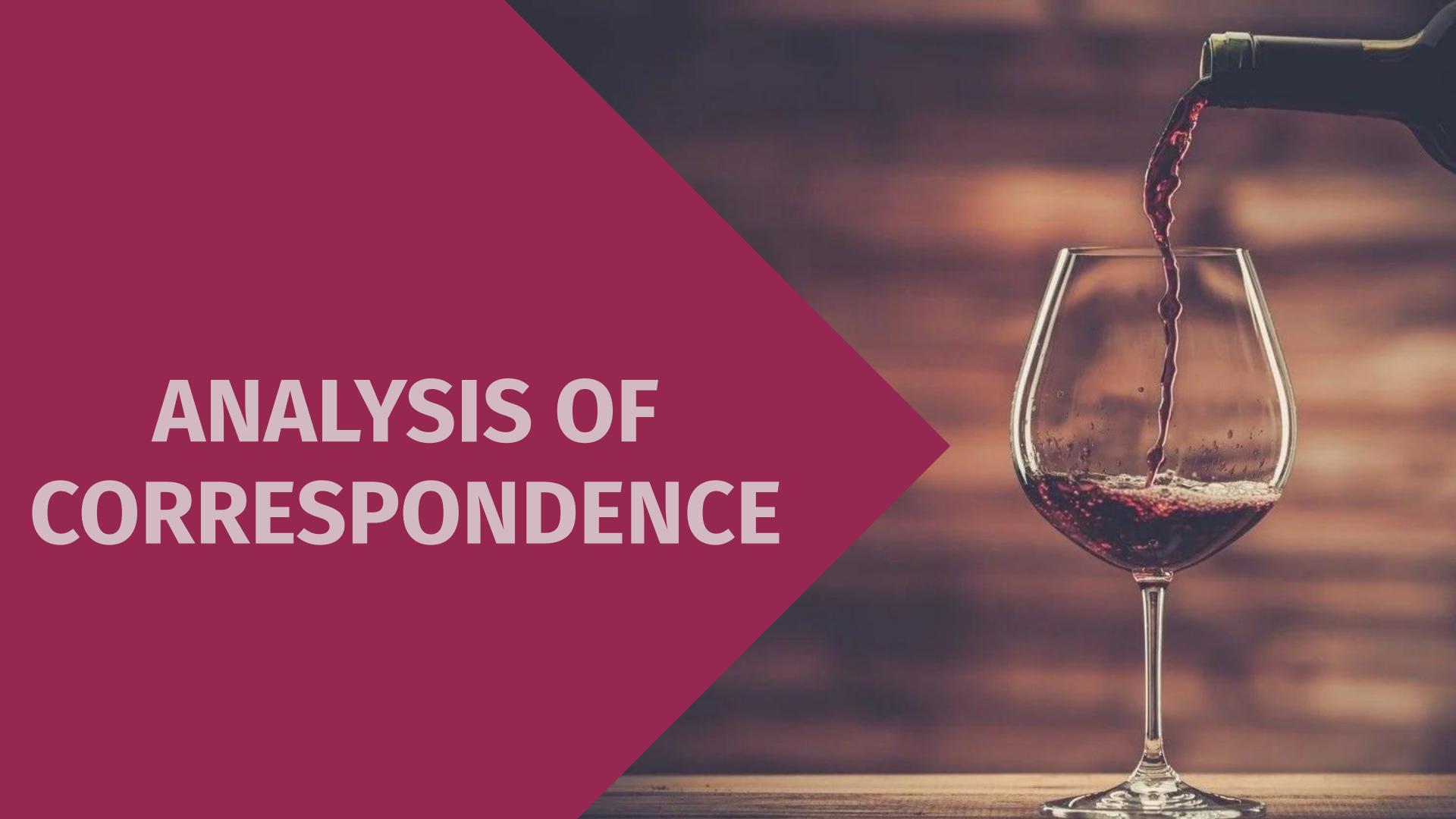
% of people that chose levels 3 and 4 of importance in these features.

EXPENSIVE

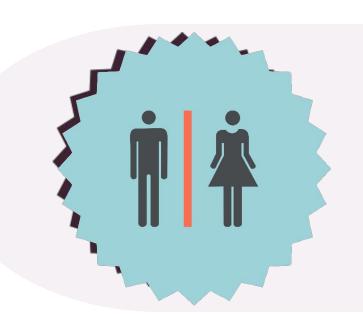
15,4%

QUALITY

83,8%



GENDER AND AGE X ETNA WINE PREFERENCE

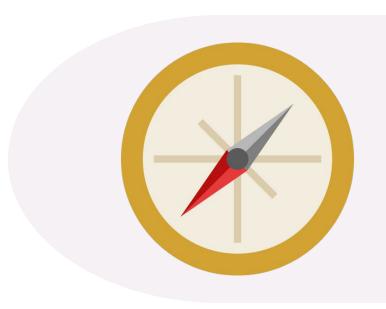


GENDER DOES NOT INFLUENCES ON ETNA WINE PREFERENCE.



AGE DOES NOT INFLUENCES ON ETNA WINE PREFERENCE.

LOCATION, OCCUPATION AND EDUCATION X ETNA WINE PREFERENCE



LOCATION INFLUENCES ON ETNA WINE PREFERENCE.

The p-value of the chi-square test was low!



OCCUPATION AND LEVEL OF EDUCATION DOES NOT INFLUENCES ON ETNA WINE PREFERENCE.



LATENT CLASSES

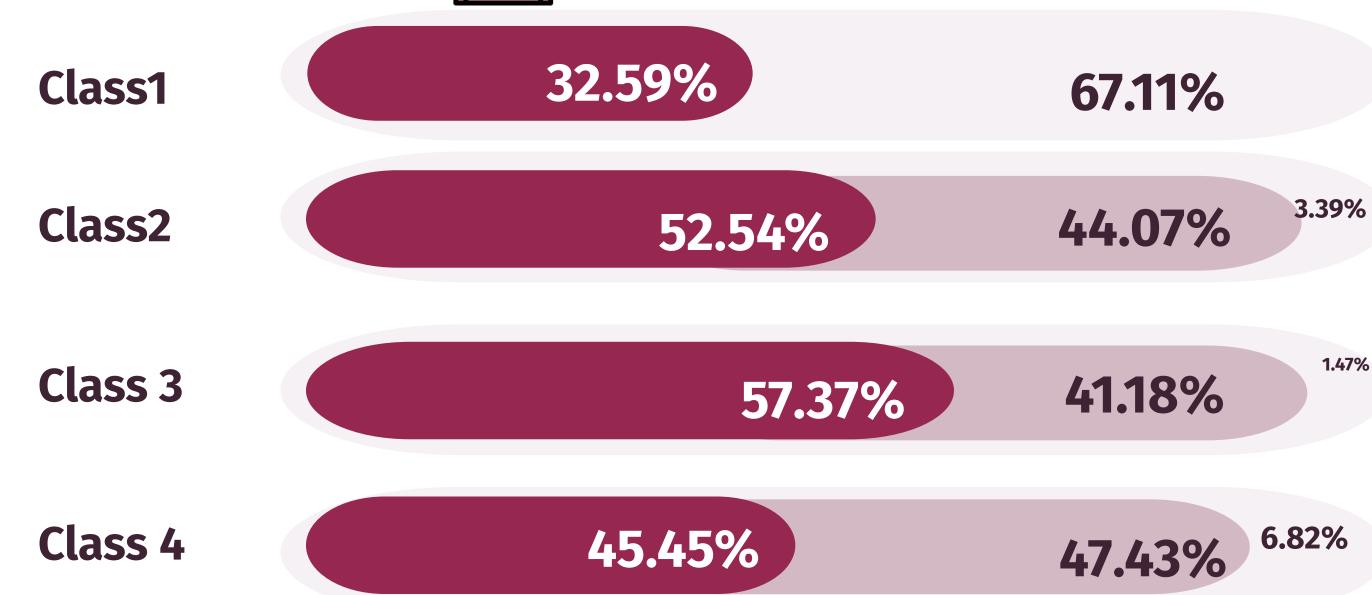


AGGREGATE ANALYSIS

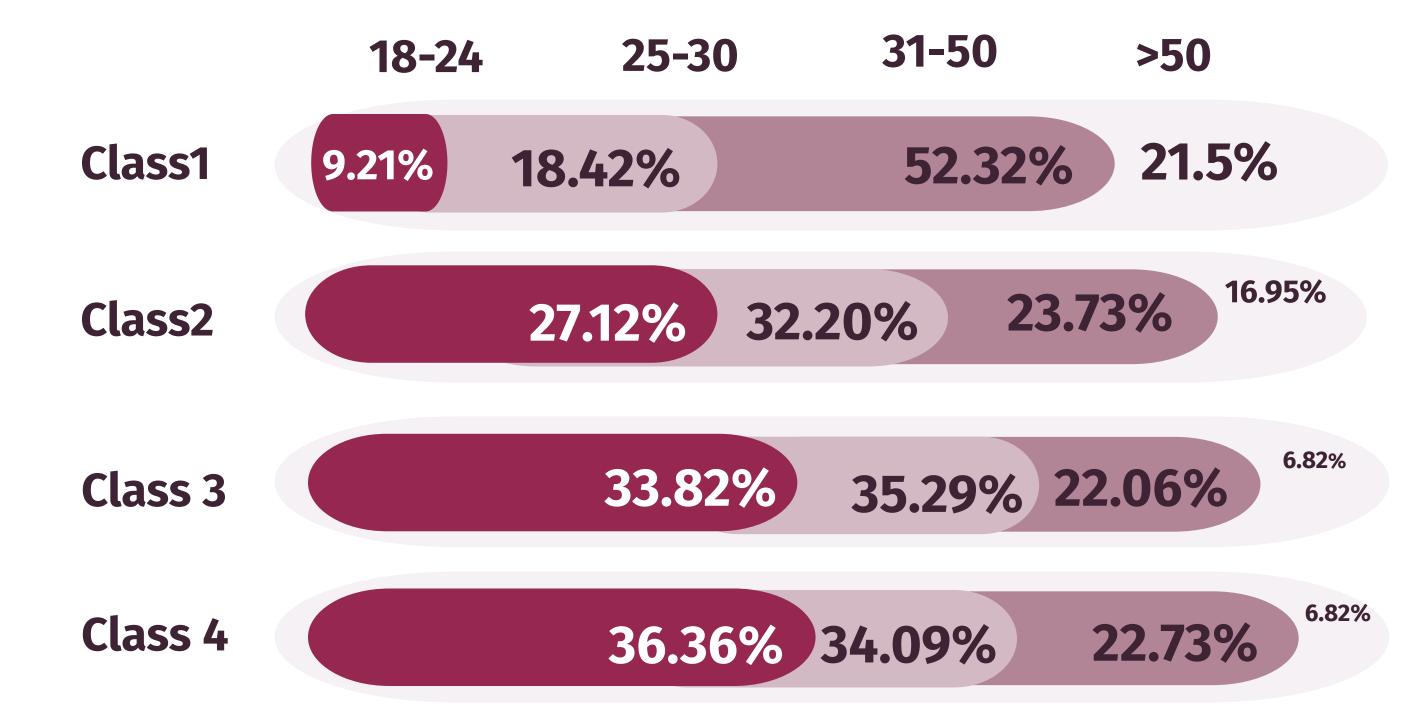






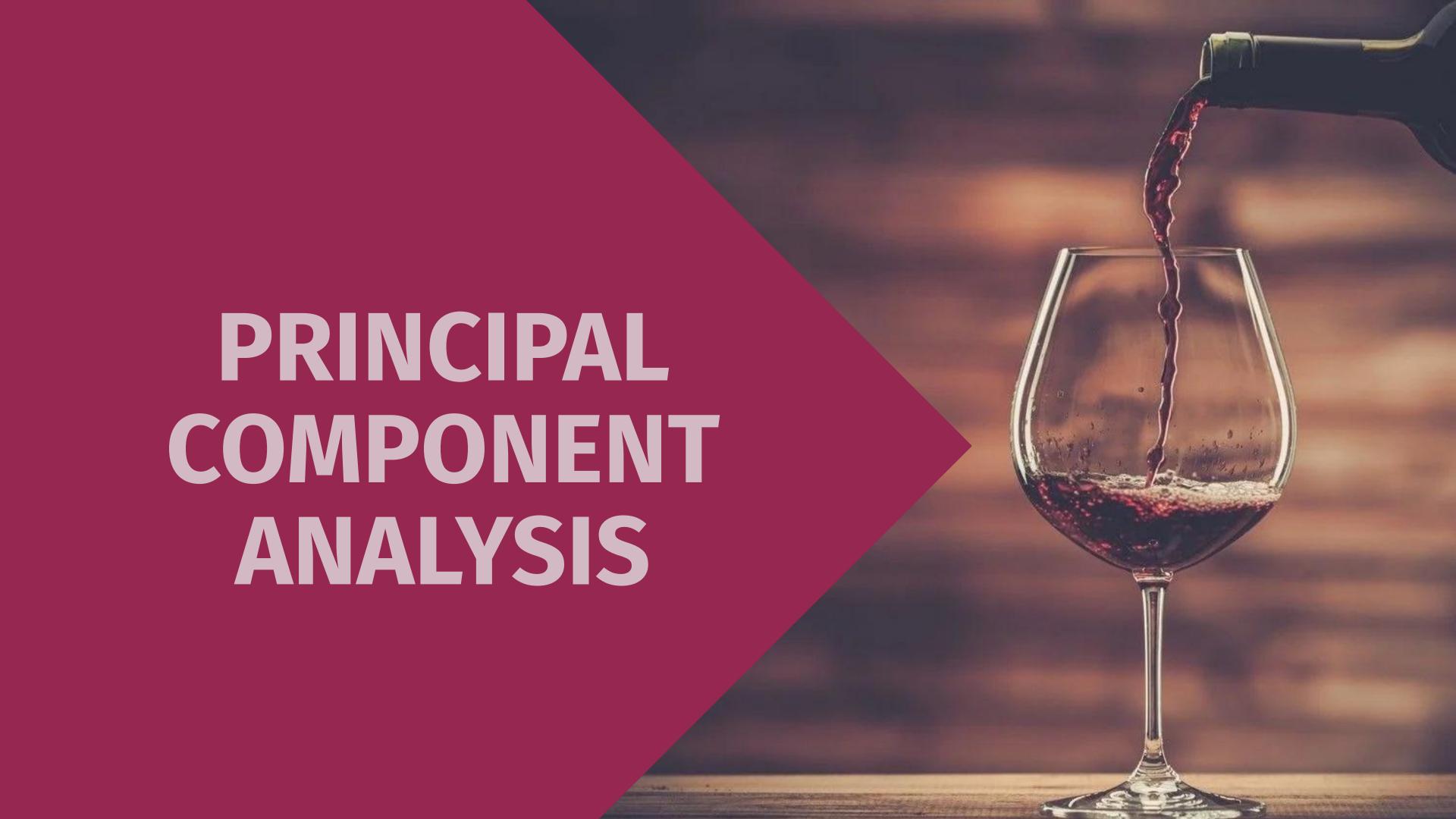


AGGREGATE ANALYSIS

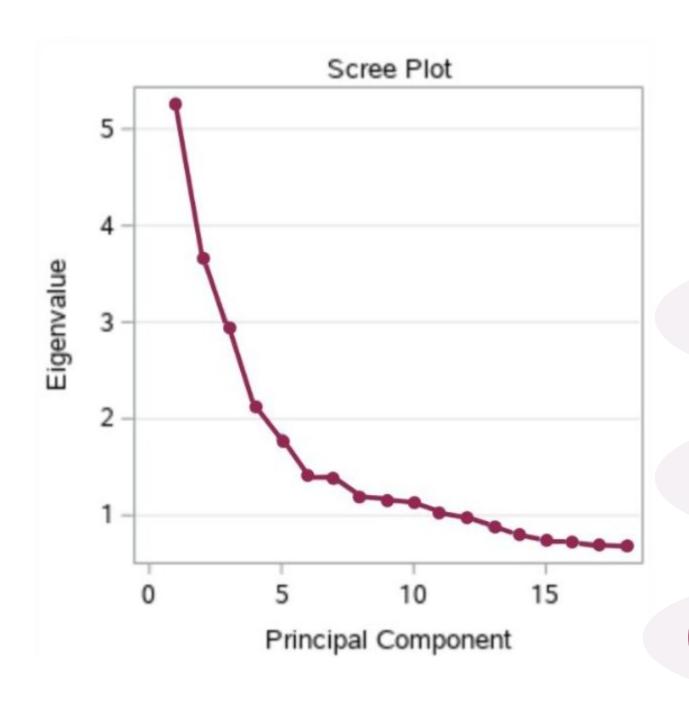


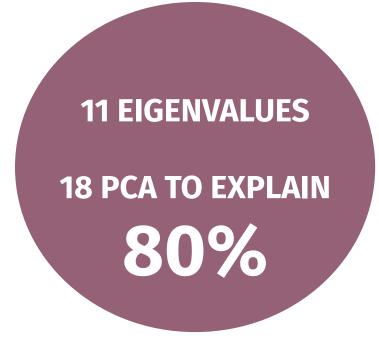
AGGREGATE ANALYSIS

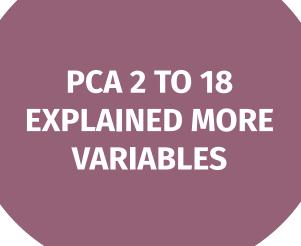
Before University		University	
Class1	18.43%	81.58%	
Class2	36.28%	62.71%	
Class 3	35.29%	64.71%	
Class 4	27.27%	72.73%	



PCA



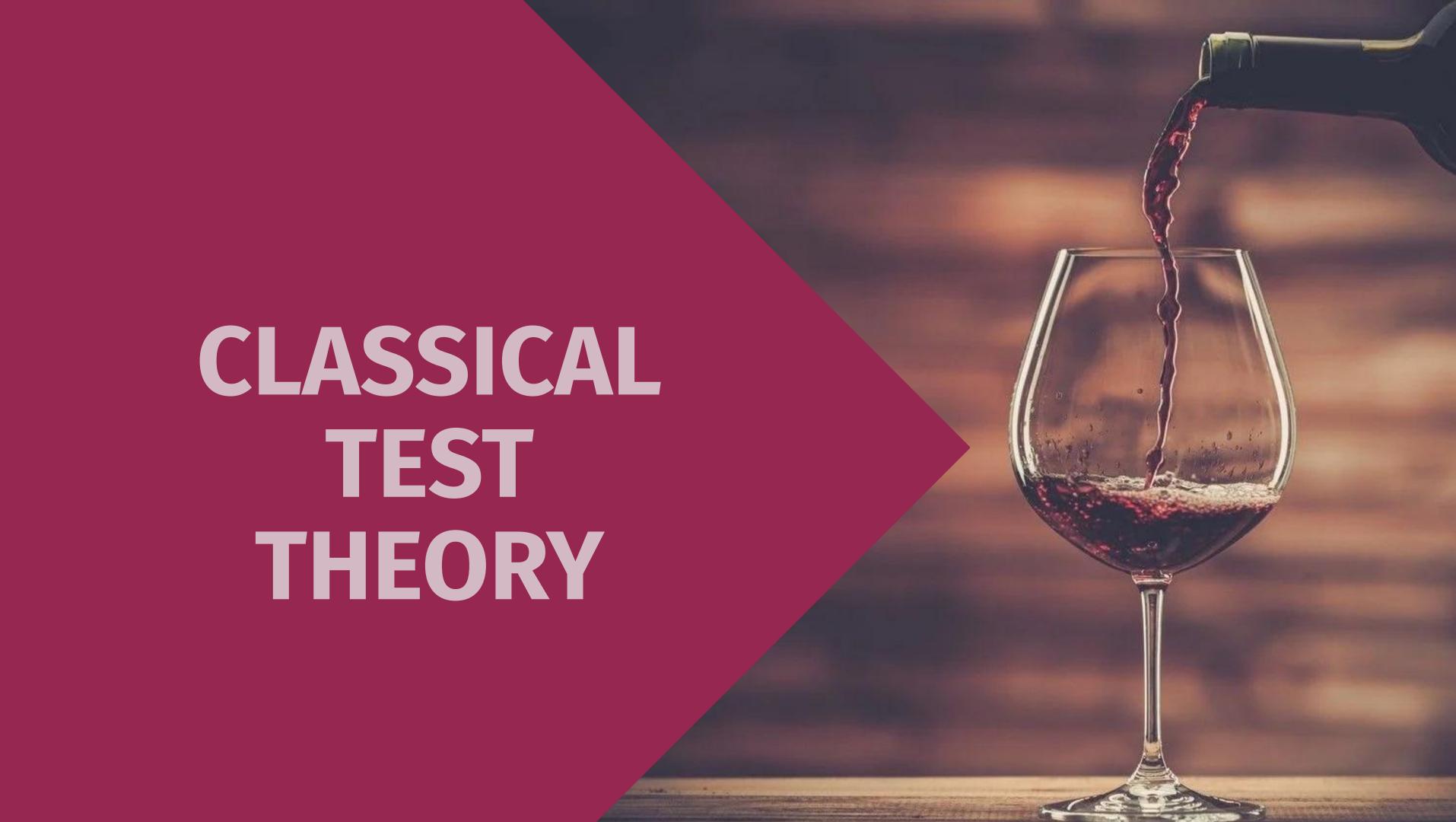




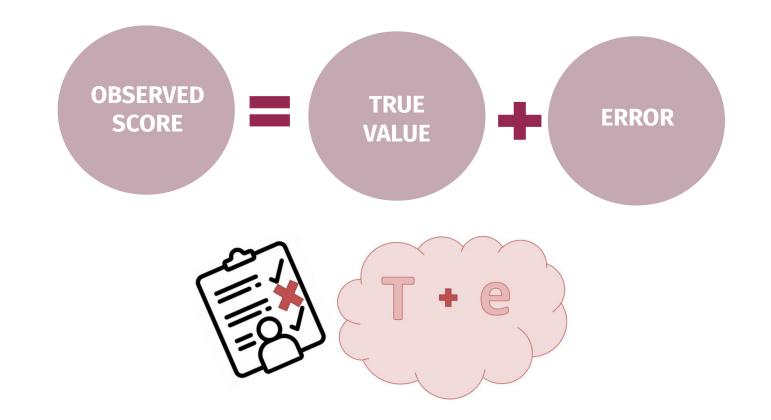
1º PC wine_preference | wine_tasting | wine_course

2º PC etna_recommendation | etna_flavour | etna_preference

3º PC white_wine | rose_wine | sparkling_wine



CRONBACH ALPHA



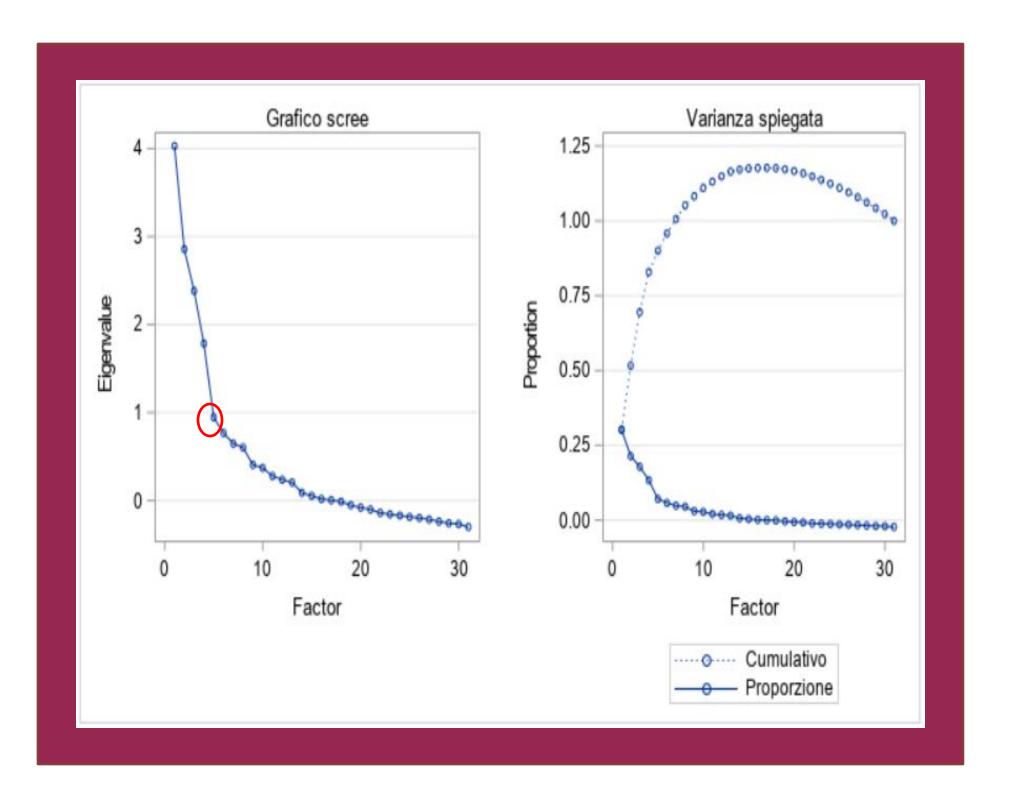
ELIMINATED VARIABLE	ALFA	TOTAL CORRELATION	
ETNA FLAVOR	0.7056	0.6639	
ETNA EXCELLENCES	0.7417	0.5589	
ETNA EXPENSIVE	0.8112	0.3125	
ETNA QUALITY	0.6907	0.7010	
ETNA RECOMMENDATION	0.7397	0.5630	

VARIABLE	ALFA	
RAW	0.7821	
STANDARDIZED	0.7778	



NUMBER OF FACTORS KAISER'S RULE - VARIANCE EXPLAINED SCREE PLOT

FACTOR	EIGENVALUE	DIFFERENCE	PROPORTION	CUMULATIVE
1	4.03058198	1.17177982	0.3022	0.3022
2	2.85880215	0.47403863	0.2144	0.5166
3	2.38476352	0.59958495	0.1788	0.6954
4	1.78517857	0.83759358	0.1339	0.8292
5	0.94758500	0.17860976	0.0711	0.9003
6	0.76897524	0.12116639	0.0577	0.9579
7	0.64780884	0.04432727	0.0486	1.0065
8	0.60348157	0.19604285	0.0452	1.0518
9	0.40743872	0.03468061	0.0306	1.0823



COMPARING COMMUNALITIES

Substantial increase in communalities of 8 variables.

Substantial increase in communalities of 10 variables.

Substantial increase in communalities of 2 variables.

1 FACTOR

2 FACTORS

3 FACTORS

4 FACTORS

5 FACTORS

6 FACTORS

7 FACTORS

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Not satisfactory at all.

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Substantial increase in communalities of 8 variables.

Substantial

increase in communalities of **2 variables**

Substantial increase in communalities of 2 variables

5 Factors

Improve the communalities in 28 of 31 variables

4 Factors

Improve the communalities in 26 of 31 variables





ROTATION OF FACTORS

VARMAX ROTATION WITH 4 FACTORS: VARIANCE EVENLY DISTRIBUTED

Variance Explained by Each Factor					
	Factor 1	Factor 2	Factor 3	Factor 4	
Before Rotation	4,03	2,85	2,34	1,78	
After Rotation	3,00	2,70	2,68	2,67	

FACTOR 01 04



SATISFACTION

This factor is entirely composed of items that represent the overall Satisfaction of the respondents to the Etna wine. Higher values mean an overall higher level of satisfaction considering Etna wine as a Sicilian Excellence.

FACTOR

02/04



TYPE OF WINE

This factor is positively related with the choice between tipologies of wine (white,red, rose, sweet, sparkling) and vintage.

FACTOR

03/04



WINE REFERENCE AND SHOP LOCATION

This factor is based on the reason that encourage people to buy wine (grape origin, variety, packaging) and according to their knowledge they tend to buy in different shop location. High value indicates deeply attention by the consumer to the reference of wine.

FACTOR O4/04

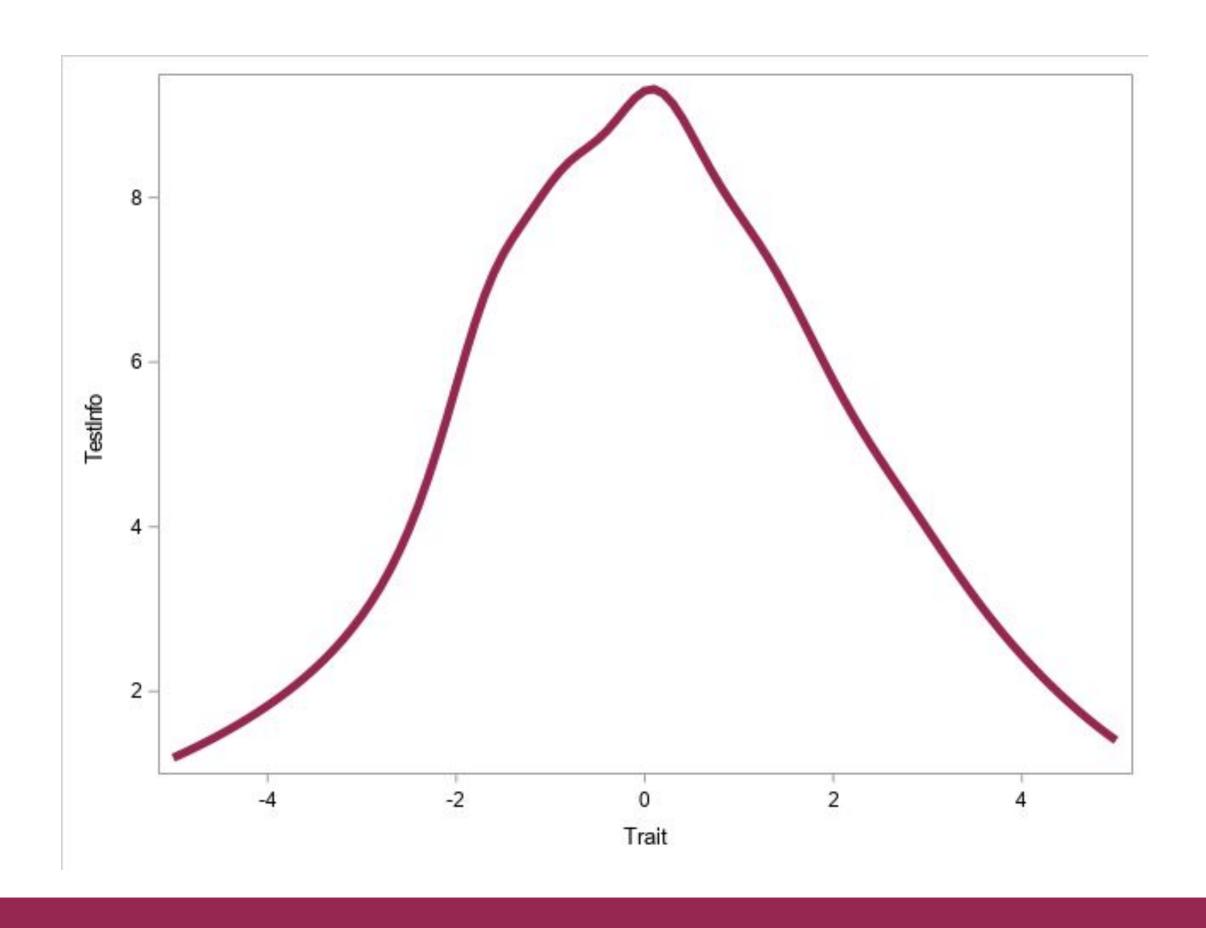


BRAND PRESTIGIOUS AND BUYING EXPERIENCE

This factor is connected to the focus that people have when they have their buying experience.



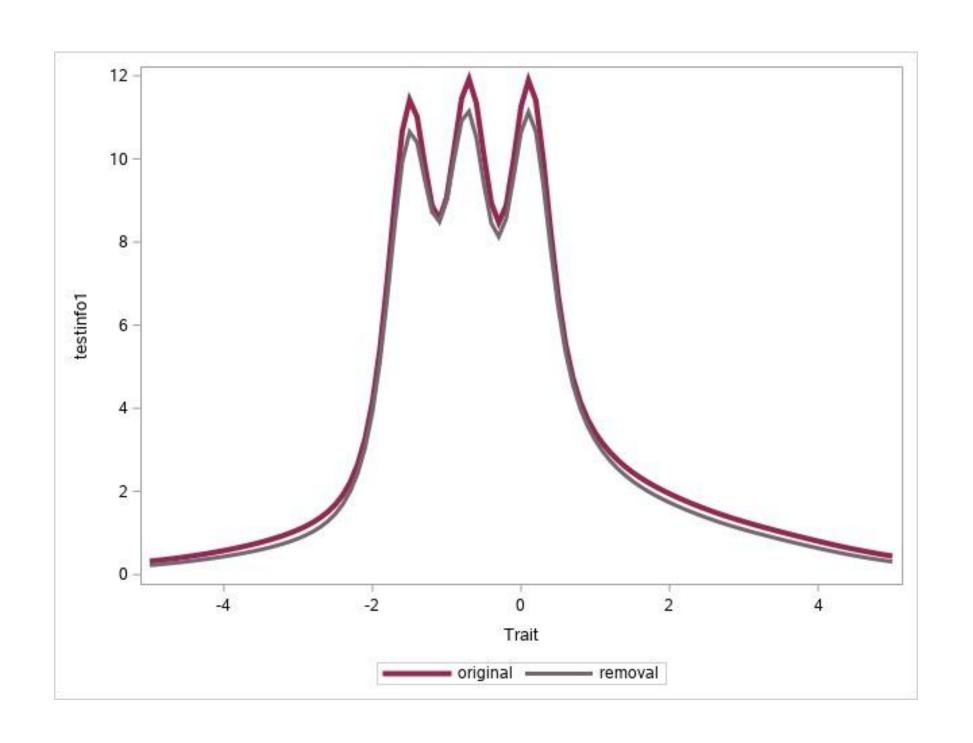
Global Test Information Curve



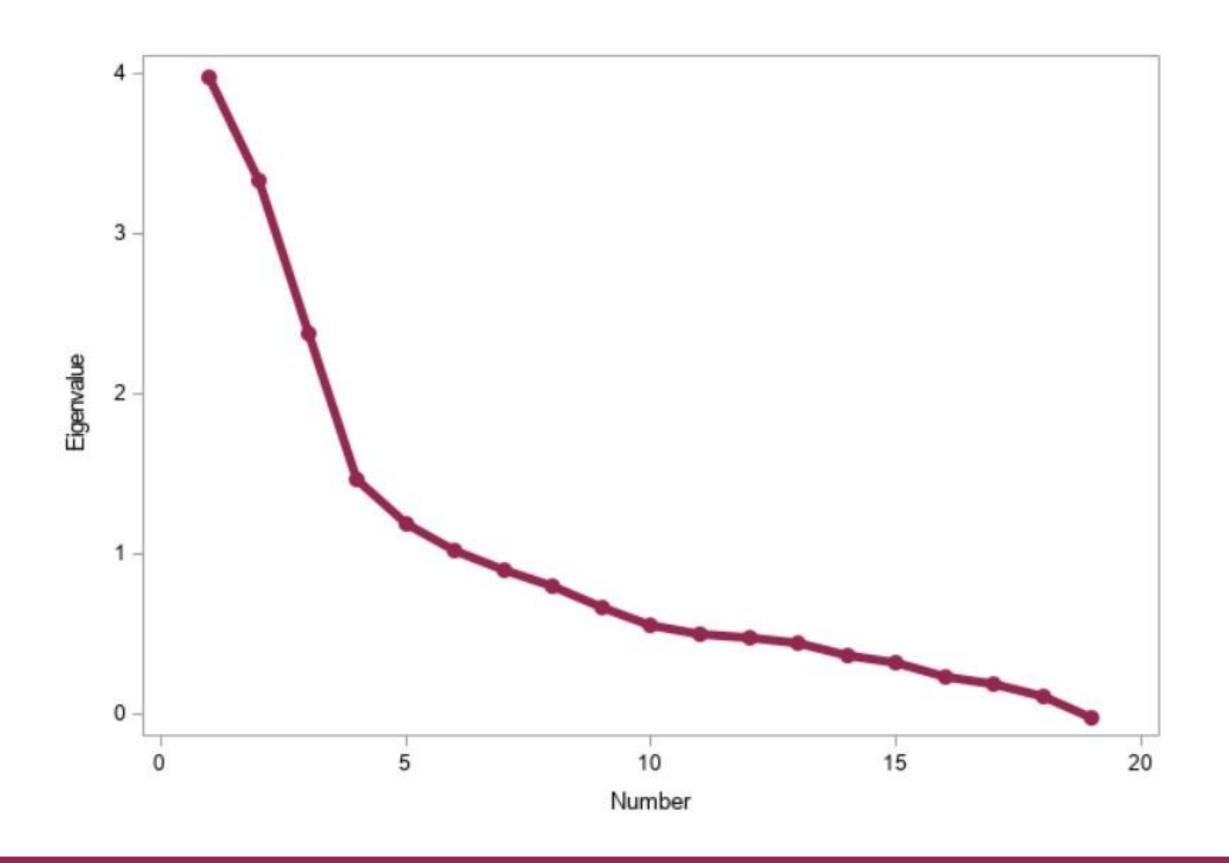
TOPIC: WINE PREFERENCES, EXPERTISE AND EXPERIENCE

DROP

- cocktail_preference
- soft_preference
- rose_wine



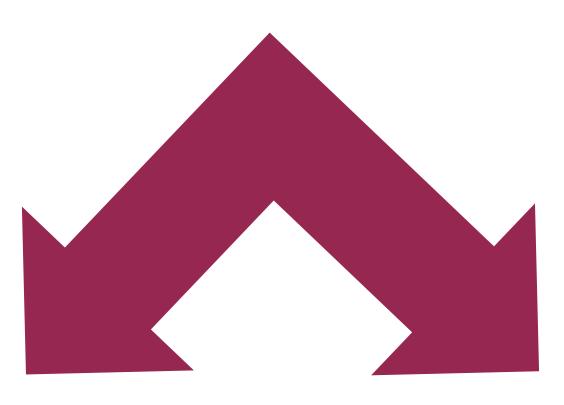
TOPIC: Wine Buying Experience



TOPIC: Wine Buying Experience

Factor 1

BUYING_EXPERIENCE
WINE_BOTTLES
BRAND_AWARNESS
LABEL_INFO
BUYING_FREQUENCY
PARTY
GIFT
HOME
TASTE





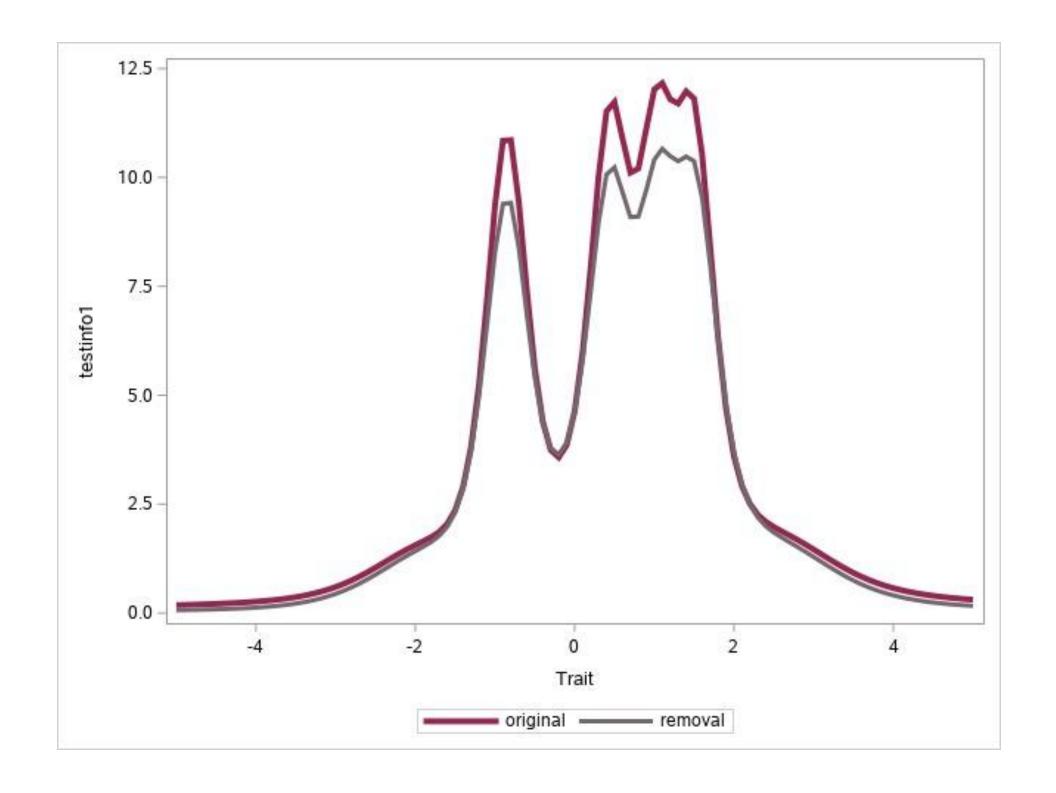
Factor 2

SUPERMARKET
WINE_SHOP
GRAPE_ORIGIN
ONLINE_SHOP
GRAPE_VARIETY
BUDGET_FRIENDLY
VINTAGE
PACKAGING
PROMOTION
BOTTLE_BUDGET

TOPIC: FACTOR 1

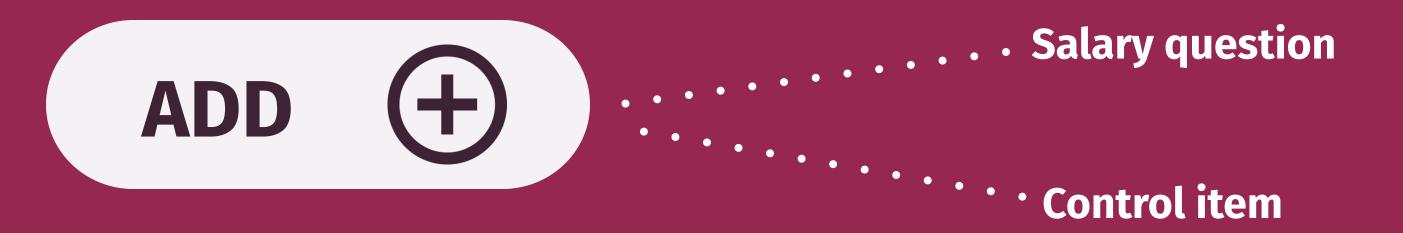
DROP

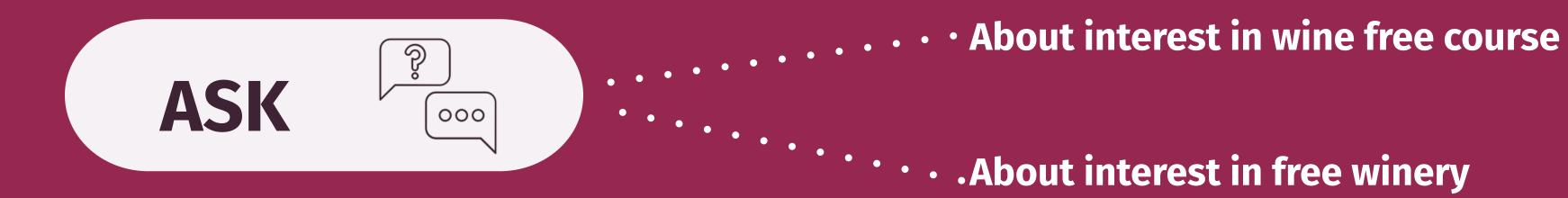
- Brand_awarness
- Label_info
- Buying_frequency
- party



QUESTIONNAIRE IMPROVEMENTS AND CONCLUSIONS









. Question about "how much you spend in a bottle of wine on average?"

tasting experience



Cocktail_Preference

Beer_Preference

Soft_Preference

Online_Shop

Buying_Preference

Budget_friendly

Packaging

Promotion

Etna_Preference

Label_Info

Bottle_Budget

Etna_Recommendation



Wine buying experience split intowine buying experience and wine consumption

