

## 연습문제 - 통계 분석 (Q7.1) - wine

07장\_1\_통계분석-wine.py 프로그램을 수행하여라. 결과와 그래프를 설명하여라.

### OLS Regression Results

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Dep. Variable:	quality	R-sq
Model:	OLS	Adj. R-sq
Method:	Least Squares	F-stat
Date:	Sat, 02 Apr 2022	Prob (F-stat)
Time:	22:22:00	Log-Likelihood
No. Observations:	6497	AIC
Df Residuals:	6485	BIC
Df Model:	11	
Covariance Type:	nonrobust	

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	coef	std err
Intercept	55.7627	11.894
fixed_acidity	0.0677	0.016
volatile_acidity	-1.3279	0.077
citric_acid	-0.1097	0.080
residual_sugar	0.0436	0.005
chlorides	-0.4837	0.333
free_sulfur_dioxide	0.0060	0.009
total_sulfur_dioxide	-0.0025	0.000
density	-54.9669	12.137
pH	0.4393	0.090
sulphates	0.7683	0.076
alcohol	0.7670	0.017

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Omnibus:	144.075	Durbin-Watson
Prob(Omnibus):	0.000	Jarque-Bera
Skew:	-0.006	Prob(JB)
Kurtosis:	4.095	Cond. No.

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Figure 1



Quality of Wine Type

Figure 2

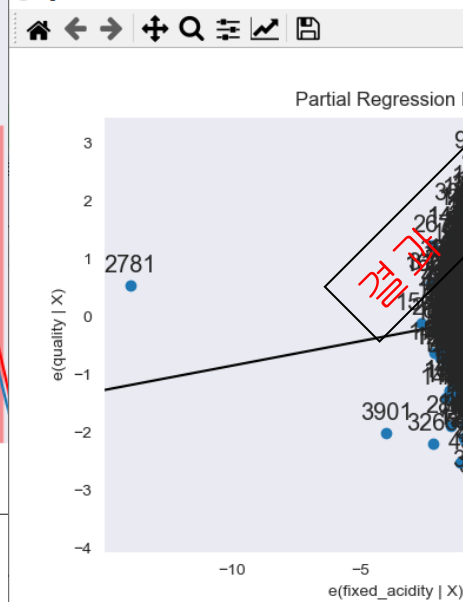
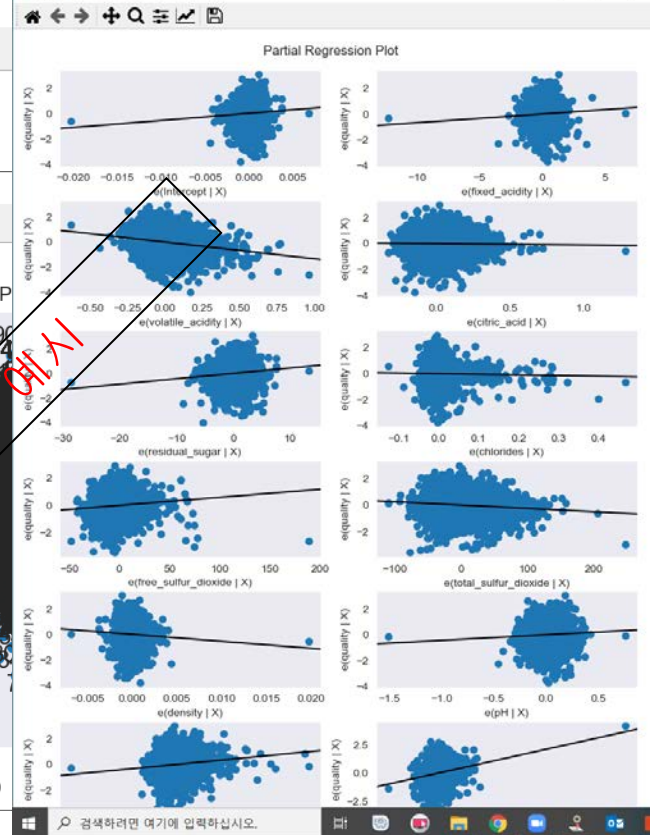
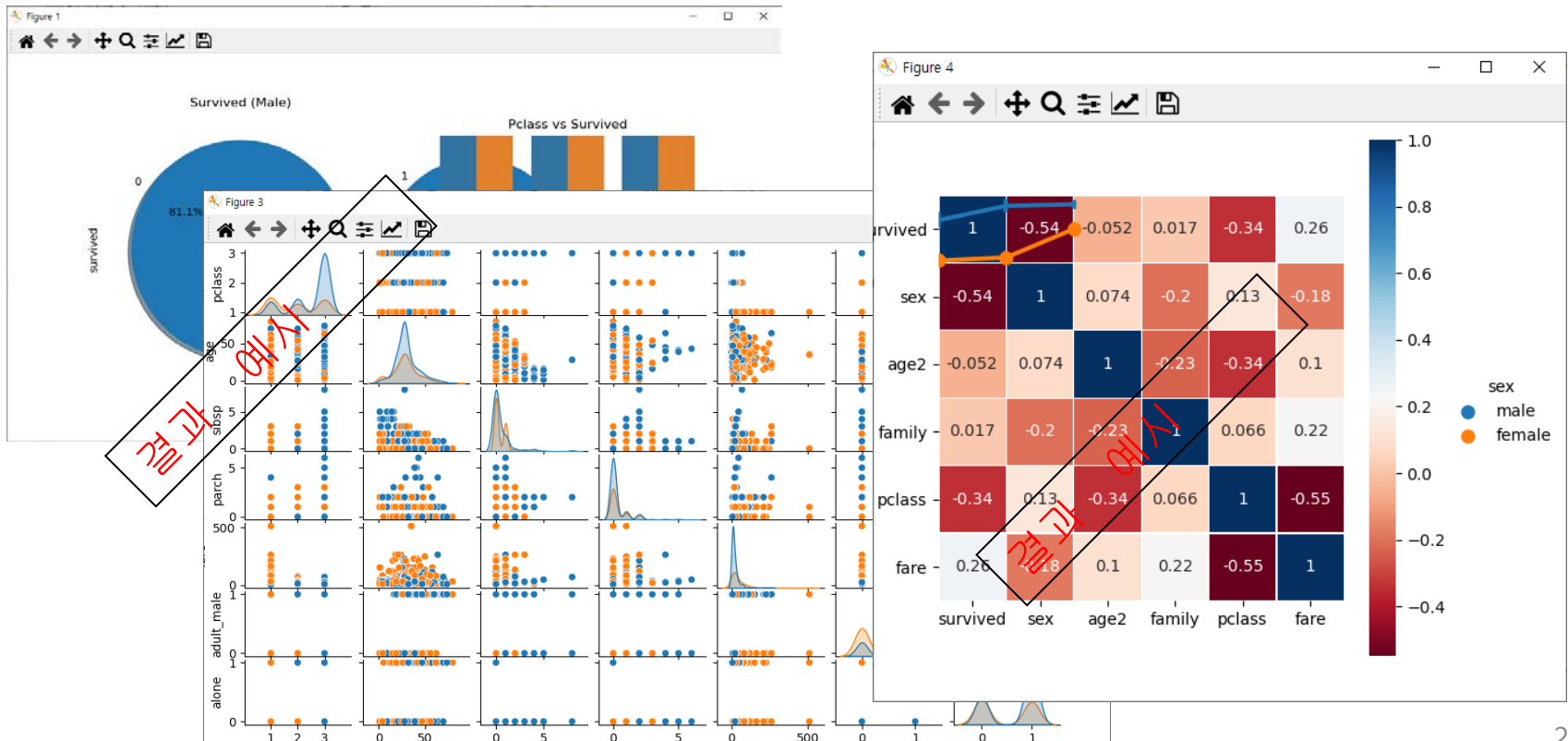


Figure 3



## 연습문제 – 통계 분석 (Q7.1) - titanic

07장\_2\_통계분석-titanic.py 프로그램을 수행하여라. 결과와 그래프를 설명하여라.



## 연습문제 - 영어/한글단어분석 (Q7.2)

08장\_영어단어분석.py, 08장\_한글단어분석.py 을 수행해보고 차이점을 살펴보자.

- 08장\_영어단어분석.py 에서 영어문장을 처리한 함수들을 설명하여라
- 08장\_한글단어분석.py 에서 한글문장을 처리한 함수들을 설명하여라
- 2가지 처리 방법의 차이를 설명하여라

