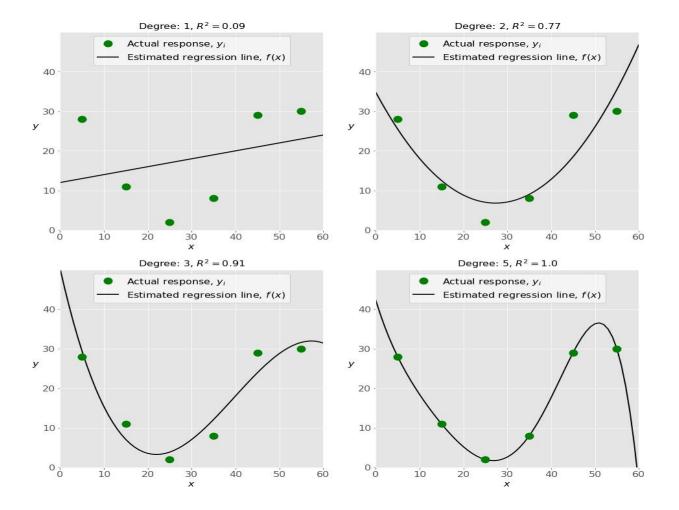
21 When implementing linear regression of some dependent variable \square on the set of independent variables $\square = (\square_i,, \square_i)$, where \square is the number of predictors, which of the following statements will be true?	
a) $\square_1, \square_2,, \square_n$ are the regression coefficients .	
b) Linear regression is about determining the best predicted weights by using the method of ordinary least squares .	
C) E is the random interval	
d) Both and b ANSWER	
22)	
What indicates that you have a perfect fit in linear regression?	
 a) The value □² < 1, which corresponds to SSR = 0 b) The value □² = 0, which corresponds to SSR = 1 c) The value □² > 0, which corresponds to SSR = 1 d) The value □² = 1, which corresponds to SSR = 0 ANSWER 	
23)	
In simple linear regression, the value of what shows the point where the estimated regression line crosses the \Box axis?	
a) Y b) B0 ANSWER c) B1 d) F	
24)	
Check out these four linear regression plots:	



Which one represents an underfitted model?

- a) The bottom-left plot
- b) The top-right plot
- c) The bottom-right plot

d) The top-left plot ANSWER

25)

There are five basic steps when you're implementing linear regression:

- a. Check the results of model fitting to know whether the model is satisfactory.
- **b.** Provide data to work with, and eventually do appropriate transformations.
- **c.** Apply the model for predictions.
- **d.** Import the packages and classes that you need.
- **e.** Create a regression model and fit it with existing data.

However, those steps are currently listed in the wrong order. What's the correct order?

a)	e, c, a, b, d
b)	e, d, b, a, c ANSWER
	d, e, c, b, a
d)	d, b, e, a, c
26) W	hich of the following are optional parameters to LinearRegression in scikit-learn?
a)	Fit ANSWER
b)	fit_intercept
c)	normalize
d) e)	copy_X n_jobs
f)	reshape ANSWER
	tile working with scikit-learn, in which type of regression do you need to transform the array of to include nonlinear terms such as \Box^2 ?
a)Multi	iple linear regression
b) Simp	ole linear regression
c) Poly	nomial regression ANSWER
28) Yo	u should choose statsmodels over scikit-learn when:
A)You	want graphical representations of your data.
b) You	're working with nonlinear terms.
c) You	need more detailed results. ANSWER
d) You	need to include optional parameters.
compre	is a fundamental package for scientific computing with Python. It offers thensive mathematical functions, random number generators, linear algebra routines, Fourier rms, and more. It provides a high-level syntax that makes it accessible and productive.
a) Pand	las
b) Nun	npy ANSWER
c) Stats	smodel
d) scip	y
interfac	is a Python data visualization library based on Matplotlib. It provides a high-level tee for drawing attractive and informative statistical graphics that allow you to explore and and your data. It integrates closely with pandas data structures.

- a) Bokeh
- b) Seaborn ANSWER
- c) Matplotlib
- d) Dash