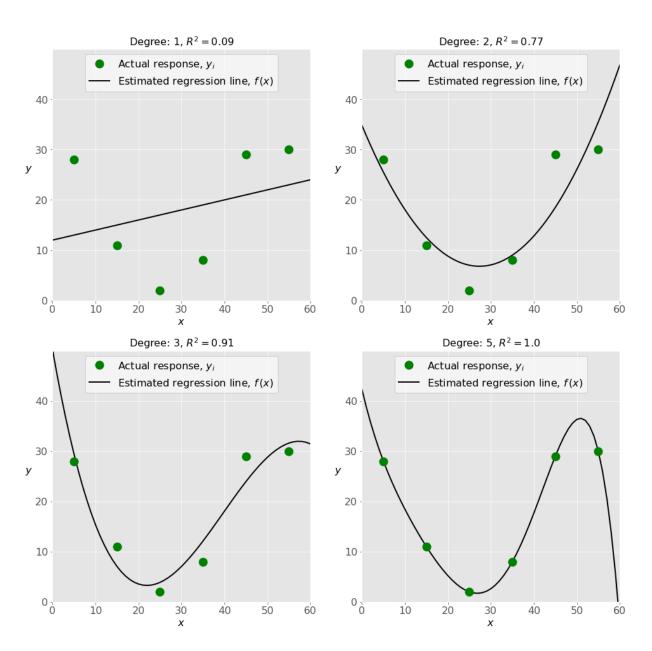
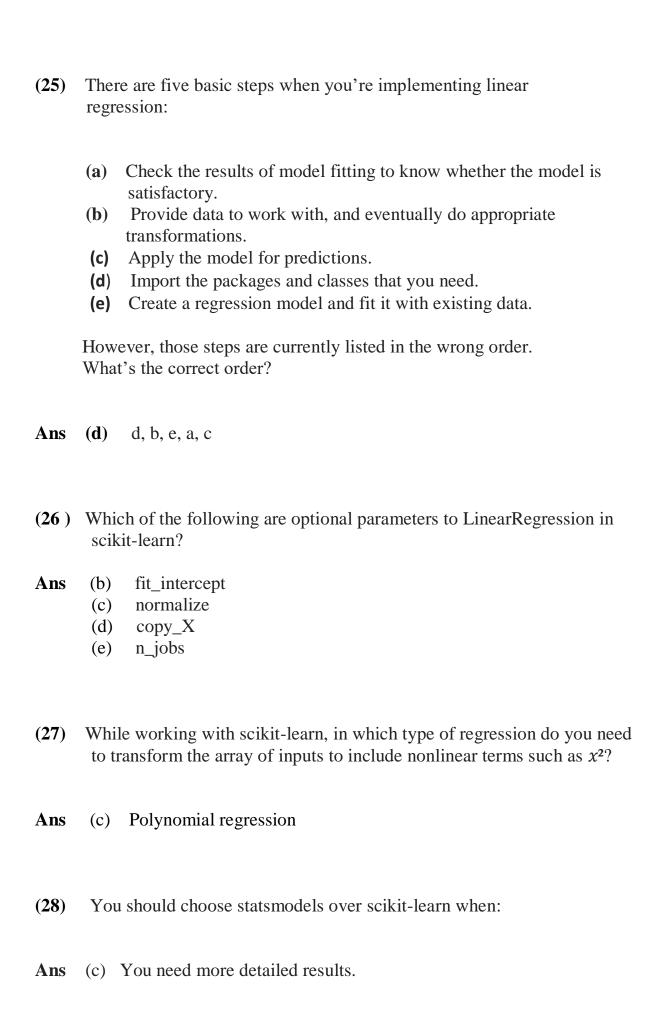
MCQ ANSWERS

- (21) When implementing linear regression of some dependent variable y on the set of independent variables $\mathbf{x} = (x_1, ..., x_r)$, where r is the number of predictors, which of the following statements will be true?
 - (a) β_0 , β_1 , ..., β_r are the **regression coefficients**.
 - (b) Linear regression is about determining the **best predicted weights** by using the **method of ordinary least squares**.
- **Ans** (d) Both **a** and **b**
- (22) What indicates that you have a **perfect fit** in linear regression?
- **Ans** (d) The value $R^2 = 1$, which corresponds to SSR = 0
- (23) In simple linear regression, the value of **what** shows the point where the estimated regression line crosses the *y* axis?
- **Ans** (b) B0

(24) Check out these four linear regression plots: Which one represents an **underfitted** model?



Ans (d) The top-left plot



Python. It offers comprehensive mathematical functions, random number generators, linear algebra routines, Fourier transforms, and more. It
provides a high-level syntax that makes it accessible and productive.
(b) Numpy
in a Double of data evidence library with a condition. Material library
is a Python data visualization library based on Matplotlib. It
provides a high-level interface for drawing attractive and informative statistical graphics that allow you to explore and understand your data. It
integrates closely with pandas data structures.
mogrates crossly with pundus data structures.
(b) Seaborn