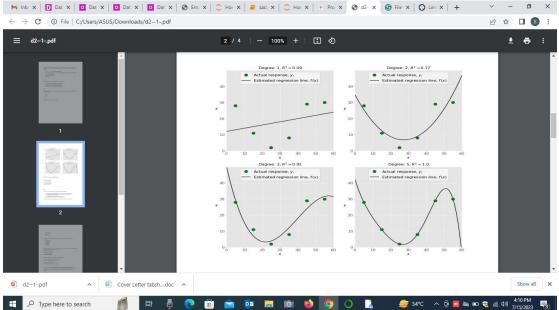
21) When implementing linear regression of some dependent variable y on the set of independent variables x=(x1....xr) where r is the number of predictors, which of the following is true?

Answer d) Both a and b

- 22 ) What indicates that you have a perfect fit in linear regression? Answer b) The value R2=0, which corresponds to SSR=1
- 23)In simple linear regression, the value of what shows the point where the estimated regression line crosses the y axis?

  Answer b) B0



Which one represents an underfitted model? Answer d) The top-left plot

- 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?

    Answer d) d, b, e, a, c
  - 26 ) Which of the following are optional parameters to LinearRegression in scikit-learn?

Answer b) fit\_intercept c) normalize d) copy\_X e) n\_jobs

27) While working with scikit-learn, in which type of regression do you need to transform the array of inputs to include nonlinear terms such as

Answer c) Polynomial regression

Answer	c) Polynomial regression
•	nould choose statsmodels over scikit-learn when: c) You need more detailed results
offers cor algebra ro	is a fundamental package for scientific computing with Python. It inprehensive mathematical functions, random number generators, linear putines, Fourier transforms, and more. It provides a high-level syntax that accessible and productive.  Numpy
a high-lev	is a Python data visualization library based on Matplotlib. It provides el interface for drawing attractive and informative statistical graphics that to explore and understand your data. It integrates closely with pandas ctures.

Answer b) Seaborn