Q21-b) Linear regression is about determining the best predicted weights by using the method of ordinary least squares.

Q22-d) The value ^{2} = 1, which corresponds to SSR = 0

Q23-b)BO

Q24-d)The top left plot.

Q25-d)d,b,e,a,c

Q26-there are four optional parameters(b,c,d,e)

Q27-c)Polynomial regression

Q28-c) You need more detailed results.

Q29-b) Numpy

Q30-b) Seaborn

Q41-d) Collinearity

Q42-b) Random Forest
Random Forest is based on the idea of bagging (Bootstrap Aggregating).

Q43-c) Decision Tree are prone to overfit
One disadvantage of decision trees is that they are prone to overfitting.

Q44-c) Training data
Machine learning algorithms build a model based on training data.

Q45-c) Anomaly detection
Anomaly detection is a technique used to detect outliers in data.

Q46-a) Support Vector
Support Vector Machines (SVM) are typically used for classification, not numerical representation.

Q47-d) Both a and b
Analysis of ML algorithm needs both statistical learning theory and computational learning theory.

Q48-c) Both a and b

Q49-b) 2

Q50-a) PCA
Principal Component Analysis (PCA) is an unsupervised learning technique, not a supervised one.