

### Assignment#3

21. both a and b
22. The value  $\sigma^2 = 1$ , which corresponds to  $SSR = 0$
23. B0
24. The bottom-left plot
25. d, b, e, a, c
26. fit\_intercept, normalize, copy\_X
27. Polynomial regression
28. You need more detailed results.
29. NumPy
30. Seaborn
41. Collinearity
42. Random Forest
43. Decision trees are prone to overfitting
44. Training data
45. Anomaly detection
46. Case-based
47. Both a and b (Statistical learning theory and Computational learning theory)
48. Curse of dimensionality
49. 2
50. PCA