| 298 57 299 45 300 68 301 57 302 57 303 rows 3 | 3 145 233 1 0 150 0 2.3 0 0 1 1 4 1 2 130 250 0 1 187 0 3.5 0 0 2 1 6 1 130 204 0 0 172 0 1.4 2 0 2 1 6 1 1 120 236 0 1 178 0 0.8 2 0 2 1 6 0 0 120 354 0 1 163 1 0.6 2 0 2 1 8 0 0 140 241 0 1 123 1 0.2 1 0 3 0 |
|--|---|
| [4]: data=da | 1 |
| 4 57 298 57 299 45 300 68 301 57 302 57 303 rows | 10 120 354 163 0.6 2 11 10 241 123 0.2 3 11 110 264 132 1.2 3 11 144 193 141 3.4 3 11 130 131 115 1.2 3 10 130 236 174 0.0 2 ×7 columns .iloc[:,0] |
| t[6]: (303,) [7]: x=data: [8]: x.shape t[8]: (303, 1) | .iloc[:,0].values.reshape(-1,1) e .iloc[:,-1].values.reshape(-1,1) |
| [10]: (303, 1) [11]: x [11]: array([| [63], |
| | [49], [64], [58], [50], [58], [66], [43], [69], [59], [44], [42], [61], [40], [71], [59], [51], [55], |
| | [44], [65], [54], [51], [54], [54], [54], [54], [55], [65], [65], [65], [65], [65], [48], |
| | [53], [51], [66], [66], [62], [44], [63], [52], [48], [45], [34], [57], [71], [57], [71], [58], [58], [58], |
| | [51], [44], [62], [54], [54], [51], [29], [51], [51], [51], [55], [51], [58], [51], [59], [52], [58], [41], [45], [60], [52], |
| | [67], [68], [46], [54], [58], [48], [57], [52], [54], [45], [52], [45], [45], [53], [62], [62], [52], [43], [63], |
| | [42], [50], [68], [69], [45], [50], [50], [50], [64], [64], [57], [64], [43], [43], [55], [37], [41], [46], [46], [46], |
| | |
| | [64], [51], [43], [42], [67], [76], [76], [78], [44], [44], [44], [44], [46], [66], [71], [64], [66], [72], [73], |
| | [58], [56], [55], [41], [38], [38], [67], [67], [67], [62], [63], [53], [53], [58], [58], [58], [58], [58], [58], [60], |
| | [64], [43], [57], [55], [65], [65], [61], [58], [50], [44], [60], [54], [50], [41], [51], [55], [51], [56], |
| | [57], [55], [65], [61], [58], [58], [59], [44], [60], [54], [54], [54], [60], |
| | [61], [56], [43], [62], [63], [65], [48], [68], [68], [68], [65], [56], [56], [56], [56], [56], [56], [56], [56], [56], [56], [56], [57], [62], [62], [62], [63], [59], [64], |
| | [48], [63], [55], [65], [56], [56], [56], [56], [62], [38], [38], [39], [40], [47], [47], [58], [68], [68], [68], [68], [68], [70], [51], [58], [68], |
| | [51], [43], [62], [67], [59], [59], [45], [58], [50], [62], [62], [62], [62], [63], [66], [52], [54], [66], [54], [66], [55], [64], [66], |
| | [38], [66], [52], [53], [63], [65], [55], [49], [49], [40], [41], [57], [58], [47], [58], [58], [57], [58], [58], [61], [44], [42], [52], [58], [61], [44], [45], [59], [59], [59], [59], [59], [59], [59], [61], [44], [61], [61], [61], [61], [61], [61], [61], [61], [61], [62], [63], |
| [12]: y | [57], [55], [61], [58], [58], [67], [44], [63], [63], [63], [59], [57], [45], [68], [57], [68], [57], dtype=int64) |
| 12]: array([| |
| | [2], [2], [2], [2], [2], [2], [2], [3], [2], [2], [2], [2], [2], [2], [2], [2 |
| | [2], [2], [2], [2], [2], [2], [2], [2], |
| | [2], [2], [2], [2], [2], [2], [2], [2], |
| | [2], [2], [2], [2], [2], [2], [3], [3], [2], [3], [3], [3], [3], [3], [3], [3], [3 |
| | [2], [2], [2], [3], [2], [2], [2], [2], [2], [2], [2], [2 |
| | [2], [3], [3], [2], [2], [2], [2], [2], [2], [2], [2 |
| | [2], [2], [2], [2], [2], [2], [2], [2], |
| | [2], [2], [1], [2], [2], [2], [2], [2], [2], [2], [2 |
| | [2], [2], [3], [3], [1], [1], [3], [2], [3], [3], [3], [3], [3], [3], [3], [2], [3], [2], [3], [3], [3], [3], [3], [3], [3], [3 |
| | [3], [2], [3], [3], [3], [3], [3], [3], [3], [3 |
| | [3], [3], [3], [3], [3], [3], [3], [3], |
| | [3], [2], [3], [3], [3], [3], [3], [3], [3], [3 |
| | [3], [3], [2], [1], [3], [3], [3], [3], [3], [3], [3], [3 |
| | [2], [3], [3], [2], [2], [3], [2], [2], [2], [2], [2], [2], [2], [2 |
| | [3], [2], [2], [1], [0], [1], [3], [3], [3], [3], [3], [3], [2], [2], [2], [2], [2], [3], [3], [3], [3], [3], [3], [3], [3 |
| import %matple plt.scaplt.sho | matplotlib.pyplot as plt otlib inline atter(x,y) |
| 3.0 - 2.5 - 2.0 - 1.5 - 1.0 - 0.5 - 0.0 - | • • • • • • • • • • • • • • • • • • • |
| 16]: x_trair 17]: x_trair 17]: (242, 1) 18]: x_test. 18]: (61, 1) | .shape |
| y_train [20]: (242, 1) [20]: y_test. [20]: (61, 1) [21]: from sk lm = Li lm.fit([21]: LinearRe | .shape |
| [23]: y_pred [23]: array([| [2.33750843], [2.31839707], [2.30247094], [2.30565617], [2.31202662], [2.26743345], [2.24195163], [2.31521185], [2.29291526], [2.31521185], [2.29291526], [2.31521185], |
| | [2.27661867], [2.3215823], [2.27661867], [2.2738039], [2.28017435], [2.28017435], [2.26743345], [2.31202662], [2.24832209], [2.24832209], [2.23876641], [2.31202662], [2.31202662], [2.28054481], [2.24813686], [2.31202662], [2.2805485], [2.28054481], [2.2805485], [2.2805485], [2.2805485], [2.2805485], [2.2805485], [2.2805485], [2.2805485], [2.2805485], [2.2805485], [2.2805485], [2.2805485], [2.2805485], |
| | [2.28017435], [2.30565617], [2.25787777], [2.24513686], [2.28017435], [2.30247094], [2.33750843], [2.29291526], [2.29610049], [2.29610049], [2.28017435], [2.28017435], [2.28017435], [2.28017435], [2.28017435], [2.28017435], [2.28017435], [2.28017435], [2.27689813], [2.27803843], [2.2780389], [2.2798039], [2.291526], |
| plt.sca plt.plc | [2.2738039], [2.292928571]]) atter(x,y,color = 'blue') otlib.lines.Line2D at 0x282e274e100>] |
| 3.0 - 2.5 - 2.0 - | |
| 0.5 - | |
| 1.0 - 0.5 - 0.0 - | |