Import the Libraries import warnings warnings.simplefilter('ignore') Import numpy and pandas import numpy as np import pandas as pd Import data visualization library import matplotlib.pyplot as plt %matplotlib inline Import the dataset food_dataset = pd.read_csv('Food demand.csv') food_dataset id week center_id meal_id checkout_price base_price email o 1000000 3 157 2760 233.83 231.83 231.83 1 1000001 100 104 2956 486.03 583.03 2 1000002 143 75 1971 328.86 327.86 3 1000003 41 24 2539 145.53 145.53 4 1000004 45 83 2539 95.06 120.34 .	ler_for_promotion homepa 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	ders 149 161 149 540 271 68 109 366 42		
1998 1002181 105 177 2322 284.27 284.27 1999 rows × 9 columns food_dataset.shape	0 0 0 0	_featured num_orders		<pre>age_featured'], axis = 1)</pre>	
<pre>x = food_dataset.iloc[:,0] x.shape (1999,) x=food_dataset.iloc[:,0].values.reshape(-1,1) x.shape (1999, 1) x array([[231.83],</pre>					
12000 10000 8000 100000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 100000 100000 100000 1000000	:_size = 0.2,random_s	state=0)			
: LinearRegression()					
[S37. 38599946], [S51. 88954827], [S28. 128251276], [S28. 128251276], [S28. 48128748], [C72. 39221291], [C72. 728325511], [C88. 57624586], [177. 68918651], [S38. 587624586], [S38. 587624586], [S38. 587624586], [S38. 587624586], [S39. 58634159], [S31. 58439285], [S31. 58439285], [S32. 58446134], [C16. 721287688], [S31. 58439285], [S32. 4826837], [S33. 12894977], [S33. 4826837], [S33. 12894977], [S34. 4826836], [S39. 51762937], [I68. 6823188], [I195. 21468836], [S39. 58224147], [S20. 74857177], [S21. 287675744], [S35. 67264336], [I69. 19382811], [C60. 39438473], [S32. 8242126], [S32. 8242126], [S33. 58526417], [S35. 58568197], [S36. 58568197], [S36. 58568197], [S37. 68968544], [C26. 64969818], [I47. 77317966], [C27. 74372221], [C39. 87272221], [C39. 87272223], [C39. 87272234], [C30. 4727224], [C37. 78372221], [C39. 87272234], [C39. 4727466], [L39. 47274766], [L39					
[262.89312158], [262.89342158], [263.89849435], [273.78232513], [244.23732386], [336.85506197], [260.89849435], [275.16963443], [275.16963443], [275.16963443], [219.99478533], [146.89769624], [121.1176672], [322.74849531], [323.349431389], [324.91273931], [325.111698393], [326.91273931], [327.1116672], [322.89736788], [321.11169872], [322.89736788], [321.11169872], [322.89736788], [323.9126931], [325.17815138], [326.89819], [327.14152637], [339.95641999], [267.7215353], [339.95641999], [268.7215353], [339.95641999], [269.7215353], [319.95651], [327.8984963], [327.89849435], [278.89849435], [279.89849435], [279.7816949], [279.781694949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.7816949], [279.781698441], [279.781698441], [279.781698441], [279.781698441], [279.781698441], [279.781698441], [279.7826981], [389.8716983], [389.8716					
[260.72533995], [288.57624586], [279.99772008], [351.11603883], [279.56945606], [192.63185993], [147.24911754], [232.96192258], [276.16983441], [199.08230997], [263.32191365], [300.98265732], [297.14152637], [344.23732386], [265.02172448], [334.40049656], [341.25272097], [255.58667964], [253.87361454], [351.53106757], [315.556687945], [266.76457177], [134.40119678], [289.43277391], [160.0970383], [207.26608107], [146.80760824], [274.02851429], [280.45247466], [280.1936566], [260.73908422], [351.97256688], [259.44104687], [267.60455391], [335.67204336], [268.01957265], [323.27887719], [267.60455391], [267.60455391], [267.60455391], [267.760451], [277.7456888], [277.745688], [277.745688], [277.74					
check					
4000 -					