|  |  |  |  |
| --- | --- | --- | --- |
| X | Y=1\*x | Y=2x | Y=3x |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 2 | 3 |
| 2 | 2 | 4 | 6 |
| 3 | 3 | 6 | 9 |

|  |  |
| --- | --- |
| TV (X) | Sales(y) |
| 1) |  |
| 2) |  |
| 3) |  |
|  |  |
|  |  |
| 100) |  |

Train data

|  |  |
| --- | --- |
| TV (X) | Sales(y) |
| 1) |  |
| 2) |  |
| 3) |  |
|  |  |
|  |  |
| 70) |  |

Test data

|  |  |
| --- | --- |
| TV (X) | Sales(y) |
| 71) |  |
| 72) |  |
| 73) |  |
|  |  |
|  |  |
| 100) |  |

|  |  |  |
| --- | --- | --- |
| TV (X\_test) | Sales(y\_test) | Y\_predictions |
| 71) | 50 | 60 |
| 72) |  |  |
| 73) |  |  |
|  |  |  |
|  |  |  |
| 100) |  |  |

1i 1o 2i 4o 3i 9o 4i 16o ======= y=x\*x (Model)

2 : 20

In train data, do we have, y output and y predict values.?

Y=b\_o +b1\*x is the model

Linear regression is the model

train data:

|  |  |  |
| --- | --- | --- |
| X | Y |  |
| 1 train x | 1train y |  |
| 2 train x | 4 train y | 20 |
| 3 train x | 9 train y |  |
| 4 train x | 16 train y |  |
| 5 test x | 25 test y | 24 ( y\_prediction) nagarju friend |