

| X | Y | Y\_p= 0.143+1.229x |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2 | 2 |  |  |  |  |  |
| 3 | 4 |  |  |  |  |  |
| 4 | 6 |  |  |  |  |  |
| 6 | 7 |  |  |  |  |  |
|  |  |  |  |  |  |  |

| X | Y | Y\_p= 0.143+1.229x | Residual | Square of residual |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 2 | 2.601 | 2-2.601=-0.601 | 0.361201 | 4.75 | 2-4.75=-2.75 | 7.5645 |
| 3 | 4 | 3.83 | 4-3.83=0.17 | 0.0289 | 4.75 | 4-4.75=-0.75 | 0.5625 |
| 4 | 6 | 5.059 | 6-5.059=0.941 | 0.885481 | 4.75 | 6-4.75=1.25 | 1.5625 |
| 6 | 7 | 7.517 | 7-7.517=-0.517 | 0.2672 | 4.75 | 7-4.75=2.25 | 5.0625 |
|  |  |  | SSR= | 1.542871 |  |  | 14.75 |

number lectures per day affects the number of hours spent at university per day

0.143+1.229\*Hours spent

89% of variance in lecture explain by hours

The number of lectures are varying w.r.t hours , is that True ?

Yes