

# Line of Best Fit (or LINES of BEST FIT) (aka. "Linear Regression")

## Method:

Collect/gather data

Determine which data might be dependent on the other:

ex. hours studied vs. test score

1st or 2nd?

1st: hours studied depends on test score

2nd: test score depends on hours studied

Dependent Variable  
(y-axis; vertical;  
L<sub>2</sub>)

Independent Variable  
(x-axis, horizontal;  
L<sub>1</sub>)

	Study time (hours) <i>L<sub>1</sub></i>	% score <i>L<sub>2</sub></i>
1	2	78
2	5	93
3	1.5	70
4	6.5	72
5	5.5	84
6	3.5	87
7	0	59
8	6	80
9	3	85
10	0.5	61
11	4	92



By deleting (on purpose), some data pieces, we see that the relationship between points seems much more linear.



