

Language	MATLAB/Octave	Python	R
Straight line fit	<pre>z = polyval(polyfit(x,y,1),x) plot(x,y,'o', x,z ,'-')</pre>	<pre>(a,b) = polyfit(x,y,1) plot(x,y,'o', x,a*x+b, '-')</pre>	<pre>z &lt;- lm(y~x) plot(x,y) abline(z)</pre>
Linear least squares $y = ax + b$	<pre>a = x\y</pre>	<pre>linalg.lstsq(x,y)</pre>	<pre>solve(a,b)</pre>
Polynomial fit	<pre>polyfit(x,y,3)</pre>	<pre>polyfit(x,y,3)</pre>	