GeoGebra Tutorial: **Line of Best Fit**

<table>
<tr><th>No.</th><th>Toolbar Icon</th><th>Command</th><th>Remarks</th></tr>
<tr><td>1.</td><td colspan="2">Open Graphics view, Algebra view and Spreadsheet view.</td><td></td></tr>
<tr><td>2.</td><td colspan="2">Set Labeling: No New Objects</td><td></td></tr>
<tr><td>3.</td><td colspan="3">Enter “Global JavaScript”:

<pre>
function ggbOnInit() {
   ggbApplet.registerAddListener("myAddListenerFunction");
}

var i=0;
var str1="", str2="";

function myAddListenerFunction(arg) {
   if (ggbApplet.getObjectType(arg)=="point") {
     i=i+1;
     ggbApplet.renameObject(arg,"A"+i);
     str1=str1+"A"+i+",";
     str2=str1.substr(0,str1.length-1);
     ggbApplet.evalCommand("L=FitLine({"+str2+"})");
     ggbApplet.setFixed("L",false,false);
   }
}
</pre></td></tr>
<tr><td>4.</td><td></td><td>Create some points and see how the line of best fit changes.</td><td></td></tr>
<tr><td>5.</td><td></td><td>Insert a button named <code>button1</code>.
Set the On Click JavaScript:
<code>ggbApplet.reset();</code></td><td>Caption: Reset
See Figure 1.</td></tr>
<tr><td>6.</td><td colspan="3">Uncheck “Selection Allowed” for the line L.</td></tr>
</table>

A more sophisticated version of this applet is available on https://ggbm.at/bXyar9Bv .

Figure 1