# Big Bio Job Board

Click on the Job ID below to apply for the job listed.

<table>
<thead>
<tr>
<th>JobID</th>
<th>PI</th>
<th>Description of Job</th>
<th>Reward</th>
</tr>
</thead>
<tbody>
<tr>
<td>GA13001</td>
<td>AE</td>
<td>Write code in Python or R to calculate descriptive statistics on a dataset. The dataset will contain between 1 and 100 million lines with each line containing 1 to 10 categorical variables and 1 to 10 continuous variables (i.e. 2 to 20 total factors).</td>
<td>To be negotiated; inquire</td>
</tr>
<tr>
<td>GA13002</td>
<td>SPHS</td>
<td>Review about five hundred Agilent BioAnalyzer data files on about 1500 samples, extracting mean and standard deviation (skewness and kurtosis also desired but optional) into a new data table. Extract similar-size data from excel files containing qPCR data and from final sequencing output. The end result will be one data table with 1500 rows and about 10 columns.</td>
<td>To be negotiated; inquire</td>
</tr>
<tr>
<td>GA13003</td>
<td>AE</td>
<td>You have an irregular object, in 2D, given to you as a silhouette on a background. You take the volume of the irregular object. You divide the irregular object via vertical lines; up to ten such lines. You place the lines within the irregular object such that the lines represent some fraction of the volume. That is, if 10:10:10:30:40 is input, then you drop four vertical lines, dividing the irregular object into areas of 10%, 10%, 10%, 30%, and 40%. As a bonus, you color the areas differently. In the end, your project will look something like this (but with solid colors, rather than arty stuff): <img src="http://www.google.com/imgres?imgurl=http://www.the-barkitect.com/wp-content/uploads/2012/09/Breed-Silhouettes-1.jpg&amp;imgrefurl=http://www.the-barkitect.com/2012/09/27/dog-breed-silhouettes-made-from-reclaimed-materials/breed-silhouettes-1.html&amp;h=1200&amp;w=1200&amp;sz=221&amp;tbnid=tXQLDggGrzMYTM:8BNjwHx306O&amp;zoom=1&amp;usg=._rGUZ2BljyIAbknNPMsCo82z2RwM&amp;docid=p1GEAajdm0URyM&amp;sa=X&amp;ei=EKnUyjDFlmrkAewtYHQBOQ&amp;ved=0CCwQ9QEwAA" alt="Image" /> And will be applied to something like this: <img src="http://www.bestfriendsstudios.com/s-4-dog-breed-silhouettes.aspx" alt="Image" /></td>
<td>To be negotiated; inquire</td>
</tr>
</tbody>
</table>