

## 3D Plots

### INSTRUCTIONS

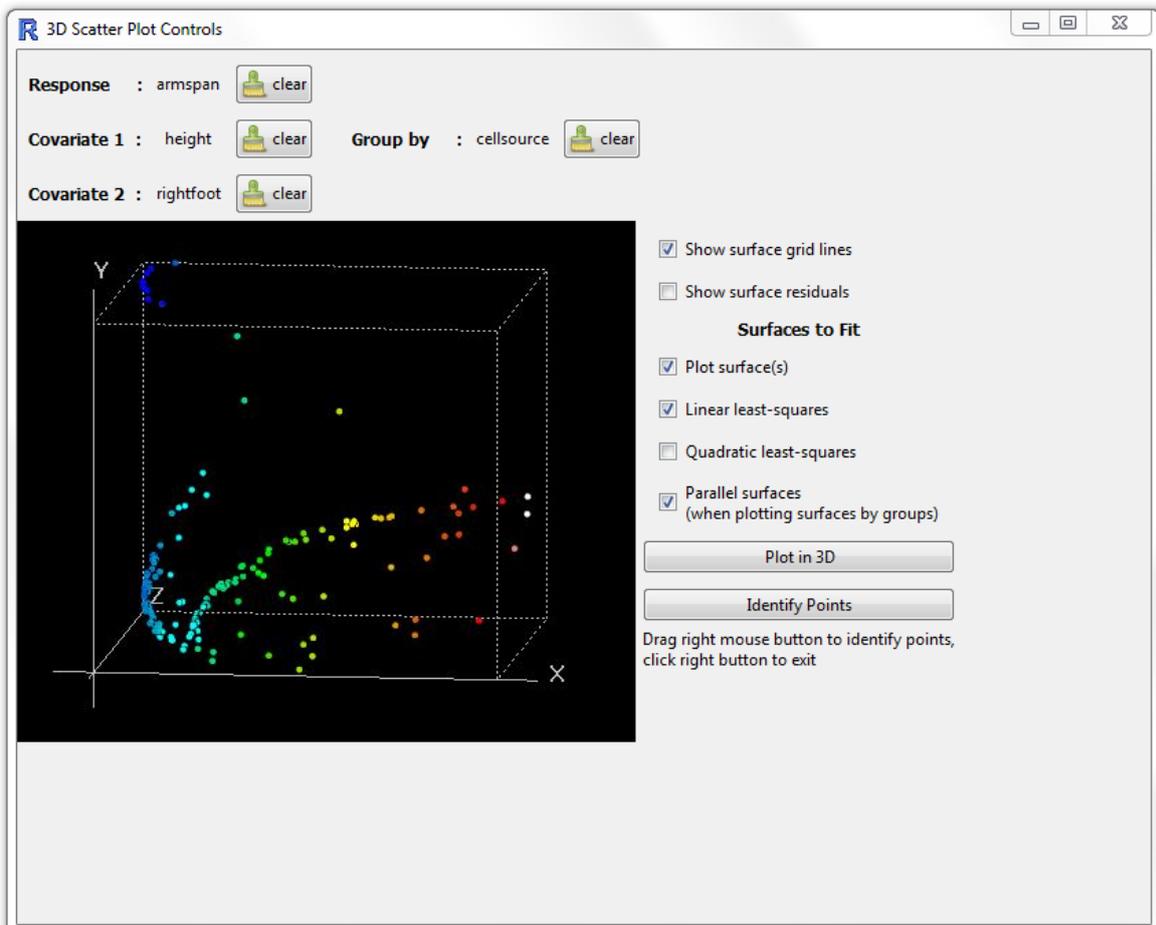
Import the `CensusatSchool-500.csv` dataset into iNZight using **File > Import Data**. You will find the dataset in the `data/FutureLearn` folder of iNZight.

If you have any problems during this exercise, see **Common questions** on page 3.

- Select **Advanced > 3D Plot**

Drag `armspan`, `height` and `rightfoot` into "Response", "Covariate 1" and "Covariate 2". Drag `cellsource` into "Group by" and click "Plot in 3D".

A little black graphics window will appear. Enlarge it. Then if you click and drag somewhere on the plot you'll be able to move things around. Then play with the settings to see what they do.



**R 3D Scatter Plot Controls**

Response : armspan

Covariate 1 : height  Group by : cellsource

Covariate 2 : rightfoot

Show surface grid lines

Show surface residuals

**Surfaces to Fit**

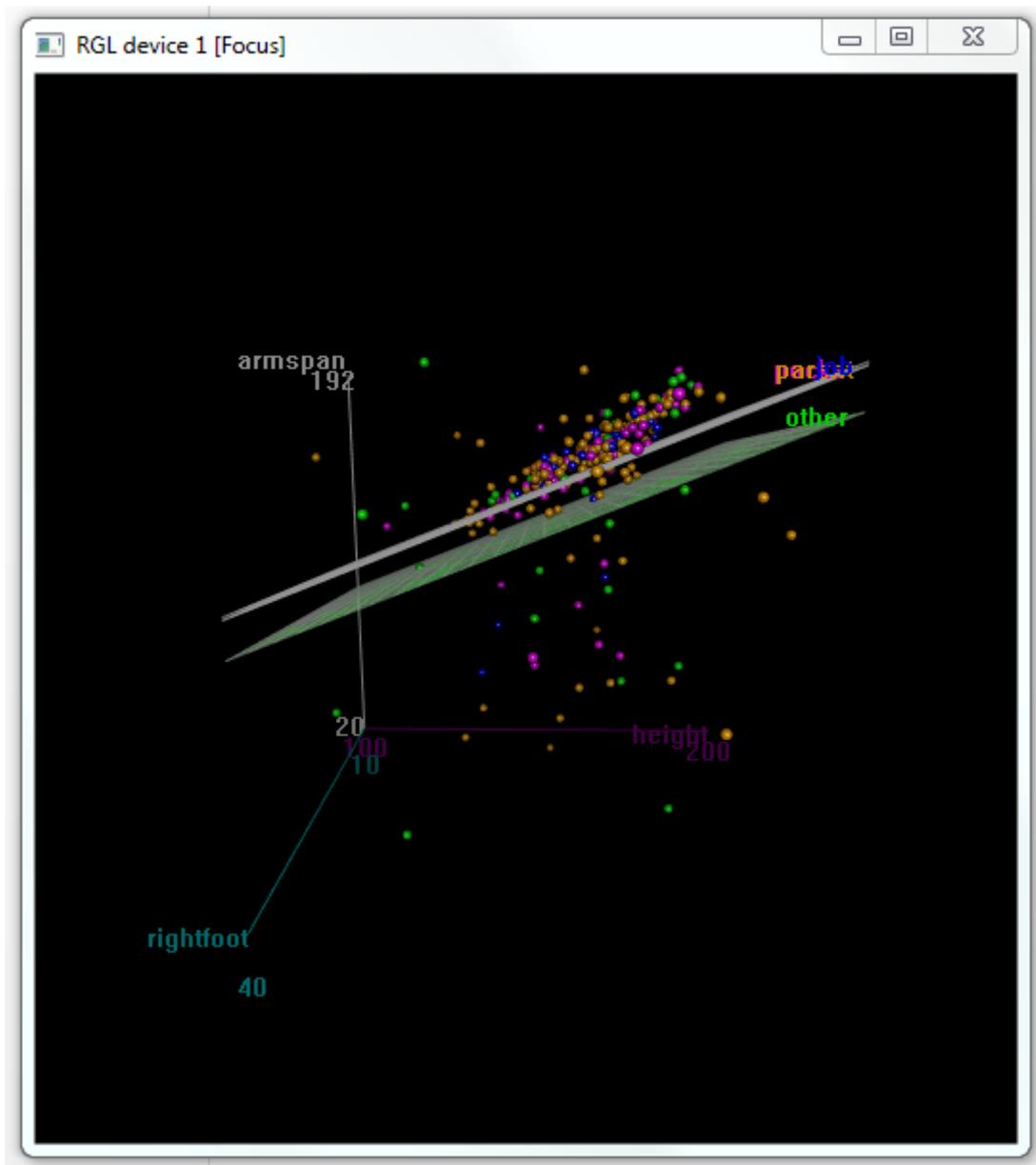
Plot surface(s)

Linear least-squares

Quadratic least-squares

Parallel surfaces  
(when plotting surfaces by groups)

Drag right mouse button to identify points,  
click right button to exit



## Common questions

### Why isn't my graph showing up?

Perhaps it has just gone in behind another window, if this is the case minimise the current screen and you should find it. The black 3D graph window is very small when it comes up and you have to make it larger – so you might want to maximise it.

Close some of the other programs you have currently running on your computer.

Resize the plot window.

Make a new plot window and click the **refresh** button.

If this doesn't work go to **File>Home** and click **Run\_iNZight** again. This resets everything.