**Questions from discussion board and emails (as of 1st March 2016)**

***Variables***

Q. Where in when should you declare and set the values of variables to use them later? (Jasmeen)

Q. What is a good rule of thumb for knowing whether to use simple variables or arrays? (Zoe)

Q. What does the new command do? (Kim)

***Loops***

Q. How do you use for loops (e.g. to pull data into a table)? What are the int variables, row=0, row++ ? (Shermaine; Kalim; Zoe)

Q. How are loops used in conjunction with arrays ? (Kalim)

***If statements***

Q. What is the syntax of if statements [and why use them]? (Kalim; Carolina)

***Getting Data into a sketch***

Q. How do you load data from a table into a sketch? (Sharayne; Sayyada)

Q. What commands are available for reading data into a sketch, and which should we use? (Zoe; Elena)

Q. How does parsing JSON and XML files work? (José)

Q. How does calculating the minimum and maximum work? (Shermaine)

Q. I can draw shapes, but how do I draw shapes that represent data values? (Winifred; Sayyada; Zoe).

Q. Why do we take the square root of a value when sizing a circle by data value? (Carolina)

Q. How do you know how to scale a background map to a sketch? Why does the map() command use (...0,width) for longitude but (...height,0) for latitude? (Kuhelie; Zoe; Kim)

***Functions / Methods***

Q. How do functions and variables (parameters) work together? (Sharayne)

***Processing Commands***

Q. How does dist() work, especially for mouse proximity? (Sayyada)

***General***

Q. I have bits of code in my head, but how do you assemble them to do a specific task? (Zoe)

Q. How do I start my coding without a template to work from? (Diana; Jasmeen; Kuhelie)

Q. How do we action our ideas (e.g. title, legend, interaction)? How to align text, such as centred on data point (Zoe; Sairish; Kim)

Q. How do I become more confident in my programming skills? (Noor)

Q. What are best practices in structuring code, especially to keep code from getting too messy? (Simonas)

Q. Does it matter what order code is written in and in what tab? (Kim)

***Libraries***

Q. How to label specific countries on a map? (Sairish)

Q. How do I add giCentre Utilities to my sketch and can I use them outside of the tutorials? (Kuhelie)

Q. How does the tooltip work and when should we use them? (Paul)

***Design***

Q. What designs are possible for any given set of data, e.g. years and GDP? (Zoe)