Reflective Journal

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Programme (BSc in Computing(Data Analytics)):

Month: February 2017

# My Achievements

This month, I was able to do further work on the Machine Learning aspect to my project, I managed to plot the current HSE support centres on a GIS map with a distance radius around each centre location, this will be needed for the next stage of the project. I have also done more work on my web application, I fixed up the user interface and figured out how I can run R code from within the application itself.

My contributions to the projects included:

* + Conducted further work on the web application,
  + Mapped current HSE support centre locations on a GIS map using the R package (Leaflet).
  + I added a distance radius around each of the plotted HSE support centres, this will be needed in the next stage of the machine learning part of my project.

# My Reflection

I felt that I got a good amount of work done for the month of February. I am very happy with the work that I managed to get done in regards to identifying new HSE support centre locations. I am also happy with how the web application is turning out and I have a clear idea about what I need to do next. All in all I am making very good progress in my final year project and I am optimistic about the overall outcome of the project.

# Intended Changes

Next month, I will try to add the population density to the GIS map for the machine leaning part of my project, I will need to know where the people are situated in order to properly identify the optimal locations for the support centres. I will also try to get some r code running through the web application that will produce adequate output.

# Meetings

Date of Meeting: 6th, 20th and 27th of February

I met with my supervisor (Paul Stynes) on the 6th, 20th and 27th of February in order to get advice on my project and to make sure I was moving in the right direction. The feedback that I got back from Paul was very helpful and enabled me to move forward in my project.