DATA201 **Group A *Team RawData*** **Final Group Assignment** **Project Diary**	**PROGRESS UPDATE**	**PLAN FOR NEXT TIME**
Wed W/8 19th/9	Introduction to Group Project. Meeting up with group partners and discussing what topic would be exciting and ideal to wrangle. After searching data sources for a while, we came up with an interesting topic of 'Electronic Waste'.	Further discuss and search data for a corresponding topic and see if we find anything interesting. At this stage we are still hunting for data sources.
Wed W/9 26th/9	Second in-lab session meeting up with the group. We continued to research only to find that there were insufficient data sources for 'Electronic Waste'. We decided to look for another topic and spent the whole time looking for data sources. After struggling Andre gave us a great topic of Earthquakes after finding geo.net which is an awesome local data source of all the earthquakes in NZ.	We want to find another dataset to compare against earthquakes.
Wed W/10 3rd/10 *Feedback session*	We came up with a relational topic with earthquakes. We wanted to see if the crime rate increases post-earthquake. We found Police data on the gov website with messy data but with our wrangling skills we knew it was cleanable.	In our next session we want to clean the Earthquake data and police data into a more readable source. We will then discuss how we can use both these datasets to portray our relational topic of "is the frequency of crimes increased after a significant earthquake"
Sat W/10 6th/10	We met up for 2 hours and as a team tried to clean both data sources. Many columns and variables needed cleaning up. We split into 2 teams, one team for earthquakes and one team for police and tried to remove all unnecessary columns. We ended up with a much cleaner dataset which was ready to use for next time.	With both the datasets cleaned, we now want to use these to draw graphs and link both tables together to answer our relational topic.
Wed W/11 10th/10	We wanted to make our graphs stand out and have a nice visuals We got recommendations from the Giulio and used 'Leaflet' to plot graphs for the earthquake. Andre and John were working on this while Jerry and Jacob were using a different module called 'RGL' to create their very visual 3-D graph. We also worked on the police data finding the average victimisations per day and creating a bar plot.	Our next step is to combine the data and prove our argument of whether the 'Frequency of Crime rate increases after a significant earthquake'. We will also need to plot some graphs in relation to this too.
Mon W/12 15th/10	We came across big error, when we tried to group the data by day we expected 365 days (in order to compare each earthquake and victimisation) in the year but we only got 12. (More detail about this is discussed in the project report) We went through a challenge on whether we should change to a new topic or just continue. We all ended up agreeing to stick to the topic and changing our question to "Does the ratio of crimes correspond to the ratio of earthquakes for each day of the week in Canterbury". With this new question we merged the 2 tables victimisations and earthquakes and also made bar plots	Our next step is to use all of the resources and create a presentation using google slides.

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Tue W/12 16th/10	We all worked on creating the google slides for the presentation. We did a couple of run throughs to see if we reached the threshold of 7 minutes. After more run throughs we were more or less ready to present	Presentation, and getting ready to collect and clean our work for the submission of our project.
Wed W/12 17th/10 *Presentation Day*	Presentation day. We went last. We thought we did better than expected.	Our next step is to meet up and finish our write up for our report.
Fri W/12 19th/10		

Team Members
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