Dates	Assignee	Task Reported
04-09-2019	Done by All	The team met during the break to discuss what kind of project we should work upon. We ended up discussing many topics but none was conclusive. We created a GitHub account to keep all the project related materials there
08-09-2019	Yamini	Look through the datasets for finalizing on the topics
12-09-2019	Done by All	The project title was discussed during lab. The theme agreed by the team was climate change. The discussion then went about what kind of data needs to be collected for climate change.
19-09-2019	Done by All	The team made a general discussion on the factors affecting climate change in lab. We decided and started collecting some datasets which we felt would affect climate change. The data sets collected were random data which influenced climate change.
	Ajith	Started collecting the datasets for global temperature and climate change
	Aarthy	Looked at possible datasets that can be used for bird population and websites that can be web scrapped
	Deepak	He has started collecting data sets regarding pollution.
21-09-2019	Done by All	The team came up with a few ideas for collecting data sets causing a negative impact in climate. Factors like pollution, population and global temperature variations were agreed upon. We then knew what kind of data need to be collected and started focussing the search on the same. We split the work among team to collect the data sets and wrangle the same.
	Ajith	Started to look into the collected datasets on temperature and try to come up with a plan for wrangling the datasets
	Aarthy	Created account on eBirds website and started with web scraping bird dataset from eBirds website.
	Deepak	He has started collecting a few data set and looked into what kind of source should be considered before starting the cleaning process.
22-09-2019	Yamini	She has started with analysing the datasets to choose from the verified source.
26-09-2019	Done by All	The team came up with lots of ideas on what to relate climate change with. Some of the ideas were cancer, meat consumption and later even politics. The lab went about this discussion along with collecting datasets for climate. At the end of the lab, we all agreed upon relating bird migration to climate change. We looked into all the data sets collected so far for the factors affecting climate change and made suggestions.

		The team agreed upon it since the data set covered a lot of years.
	Deepak	For pollution he has collected a data showing carbon content and discussed with the team.
	Ajith	Researched on how to utilise a '.asc' data frame using R. Considering using multiple datasets for analysis
	Aarthy	The web scraping of bird dataset involved collecting additional information of country and city codes. This was further web scrapped in R.
	Yamini	She has got help for the issue with packages in R studio during the Lab session
03-10-2019	Yamini	She has started wrangling the datasets for the population over countries
	Aarthy	Completed web scrapping of birds first, last, high counts for different countries.
07-10-2019	Yamini	Web scraped the dataset for the geographical position using Julia
08-10-2019	Aarthy	The initial web scrapped information for birds dataset was relating to the global countries and did not include regional information. Hence a separate method was written to web scrape regional bird counts for different countries.
10-10-2019	Done by All	The team talked about our project in the lab. We listened to all the group's ideas during this lab. It gave an insight on what to look forward.
	Ajith	Started to write the R code to wrangle the temperature data sets.
	Aarthy	The data set web scrapped from ebirds site was automated into a function and different attributes, for different countries including the regions were tested and fixed for issues.
	Deepak	By this time, my pollution data set is finalised and I started the cleaning process.
12-10-2019	Done by All	The team met during weekend to look into the progress and carry on the cleaning of data.
	Deepak	He has started to plot my data. He has decided to plot it in a world map first and looked for R packages to achieve my goal. Finally found that he has converted my idea into a graph using ggmap package in R.
	Ajith	Plots the dataset obtained from one of the sources, namely, Berkeley Earth. Still developing the R code to wrangle and plot the '.asc' dataset from NOAA.
	Aarthy	Started looking at different case studies that can be done with the bird dataset web scrapped. Performed bird extinction count for species in NZ and AU based on the data grepped from 1800 to 2019.
	Yamini	Continued with the web scraping as there was an issue with the selected source.
		The team met again to discuss and carry out the individual portions. I managed to plot the CO_2 emission after much difficulty.

13-10-2019	Done by All	I had to figure out what factor to plot and came up with a measuring index which was useful to look into the top countries contributing to CO_2 emission. I also made a plot to show the top ten countries causing a major impact to climate change through pollution
14-10-2019	Yamini	She has reported that she has done with Julia part of merging the two different datasets that she got.
15-10-2019	Done by All	The team looked into all the plots and verified if it's useful. We then discussed on the presentation part. We started working on the presentation. Once done with the presentation we discussed on what each person would present. We decided to present the portion we worked upon. Later we discussed about a possible conclusion and worked on merging all the data set. To merge all the data set we added a column to display iso 2 letter country codes. We were quite convinced about the usefulness of the data set merged.
	Ajith	I finally finished writing my R Code to plot the dataset from the '.asc' file. Working on the final temperature datasets to be merged with other datasets.
	Aarthy	The case study was chosen to be for India, hence the native Indian and migratory species were analysed and the corresponding code and plots were tried.
	Deepak	I added my findings and plots about the pollution data in the presentation. I did some homework to learn about the impact of CO2 in climate change for the presentation. I used the country code package in R to implement the code in a lazy but efficient manner.
16-10-2019	Yamini	She has added plots and graphs to interpret the data and preparation of notes.
	Aarthy	Worked on presentation slides and gathered necessary information to convey the extent to which bird species were impacted by different sources such as climate change, global warming, etc.
	Ajith	Unable to merge the dataset obtained from the '.asc' file. Finished wrangling the temperature dataset from Berkeley Earth and merged with other datasets.
17-10-2019	Done by All	The presentation went well. We learnt on what to look into while presenting and learnt a lot from the other team's presentation. Overall it was a good learning curve.
18-10-2018	Aarthy	Started working on the introduction and various other sections with respect to bird dataset scrapped for the project report
19-10-2019	Yamini	Started with the project report for her own dataset.
20-10-2019	Deepak	We sat as a group and started typing the contents of the report. I added my inputs about pollution dataset in the project and added few more general points in the report.

		We managed to complete the report by the end of the day.
	Done by All	Everyone added their respective contents to the report.
21-10-2019	Yamini	Editing project report and modifying comments in the jupyter notebook
	Aarthy	Organized the jupyter lab note books, added comments and finalized the datasets scrapped and finalized the case study and the respective plots