Work Log

By

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# To do list

* Creating a presentation
* Writing the report
* Graphing the data

# Completed

* Creating a Gitlab page
* Getting some data sets
* Wrangling the data

As a group

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| Task | Date | Time Spent | Notes |
| Lab 7 | 17/6/2021 | 2 hours | First week of group project. Started exploring some ideas. |
| Lab 8 | 23/6/2021 | 2 hours | Continued to work on creating ideas. |
| Lab 9 | 30/6/2021 | 2 hours | Brainstormed a load of ideas, some were good, some were not. Then removed a bunch that sucked. Ended up concluding that exploring how child poverty or expulsions affected crime. |
| Lab 10 | 7/10/2021 | 2 hours | Project idea due. Discussed our idea. Guillo asked some rough questions on ethics. Considering changing our response variable away from crime to avoid any issues there. |
| Meeting to work on wangling | 8/10/2021 | ~2 hours | Found some wellbeing stats. |
| Lab 11 | 14/10/2021 | 2 hours | Finished wrangling the data. Spent a bunch of time looking at tableau graphs with the tutors to get more of an understanding of the dataset. |
| Lab 12 | 21/10/2021 | 2 hours | Last lab |
| Presentation | 26/10/2021 | 10 min | Presentation is due |

Junwei Liang

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| Task | Date | Time Spent | Notes |
| Creating and maintaining git repository | 29/09/2021 | 2 hours | Invite and create a git repository on GitLab. Added some readme file and folders. |
| Apply routine check and summarise crime dataset. | 02/10/2021 | 2 hours | Check missing value for crime dataset and basic information about dataset. |
| Crime and income plot. | 13/10/2021 | 2 hours | Modified dataset and plot them out. |
| Creating  Shiny app | 18/10/2021 | 1 hour | Create Shiny app. |

Xiaodan Liang

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| Task | Date | Time Spent | Notes |
| Converting wide  into wide for income dataset. | 11/10/2021 | 2 hours | Manually convert the income data frame into long data frame. |
| Apply routine check and summarise income dataset. | 11/10/2021 | 1 hour | Check missing value for crime dataset and basic information about dataset. |
| Maintaining code  style | 13/10/2021 | 1 hour | Maintaining indentation and comments and layouts. |
| Developing  Shiny app | 19/10/2021 | 2 hours | Implement functions to generated plots and bind them to Shiny app. |

Harrison Allen

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| Task | Date | Time Spent | Notes |
| Manually labelling data | 8/10/2021 |  | Done during group meeting. |
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Ruben Castaing

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| Task | Date | Time Spent | Notes |
| Setting up the work log (this page) | 7/10/2021 | ~2 hours | Hope people enjoy 😊. Spent this long making sure the formatting was right. Also added in group work done so far. |
| Learning how to use GitLab | 7/10/2021 | 30 min | Still need to learn how to get ssh key working. I’m impressed by the work already done by others. |
| Uploading data sets | 7/10/2021 | 30 min | Went looking for datasets. Found some stuff but nothing legendary. Uploaded a couple things to the datasets folder on GitLab. |
| Wrangling | 13/10/2021 | 2 hours | Intended to make some graphs but first needed to join the data sets together. This required changing the |
| Making graphs | 14/10/2021 | 40min | Spent some time exploring the dataset in tableau. In the lab, decided to not use them as R would be better. Graphing was still useful though. |
| PowerPoint | 17/10/2021 | 1.5 hours | Started creating some basic slides for the presentation.  Ended up also reading some literature about our topic. More work on presentation is needed but graphs are needed before it can be finished. |