			Time			
			spent on			
Week:	Date:	Activity/Task:	Activity:	Team Members Involved (if applicable)	Completed?	Outcomes
Week.	Date.	Group met during and beyond session time to plan project.		(ii applicable)	Completed	Outcomes
		Discussed SWOT for all members - Google Sheet completed with notes				
1	11/13/2023	Grouped suggested topics for focussing dataset search	90	All 6	Yes	Decided to spend next 2 days individually searching for datasets,
!	11/13/2023	Discussed what elements we need to look for in a good dataset	90	All 0	165	and present any interesting ideas to group after class.
		Members did 30mins individual research on datasets, came back to present initial ideas on topics				
						Individuals to continue looking for datasets, posting links in Google
1	11/14/2023	Short meeting with full group for SK to run through possible use of ICO incident trends dataset, exploring positives and limitations (no API and basic visualisations already done)	45	All 6	Yes	Sheet to the best ones, highlight any really interesting ones on
		illiniations (no AFI and basic visualisations already done)				Slack.
		Met to pitch our best datasets from our solo research. SHS brought NHS API, SK brought NVD & CWE APIs, AMG the UN				
		data resource and faostat resource (both very large datasets with APIs), NP brought two crime and justice datasets from				
		ONS. Group agreed most interesting source at present was cybercrime / online fraud ONS dataset, but not sure if there was API interaction which we know is essential criteria. NP discovered during meeting there is the ability to query ONS data via API & volunteered to try to get that working over the weekend. Meanwhile other group members will look into the APIs				NP to work on extracting the good dataset via API from ONS.
1	11/17/2022		00	TN CK CHC AMC ND	Voc	Other members to see if their sources / best datasets can be
1	11/17/2023	of other good datasets which may be able to be intersected with the fraud database.	90	TN, SK, SHS, AMG, NP	Yes	extracted via API.
		of data? good databata milat may be able to be interesced with the made databate.				TN to set up new GitHub repo and review documentation.
		We also discussed the marks weighting and that Project Documentation needs an an 'allowance' of 2 people and that it will				
		be a good idea to keep on top of Documentation as we go along, TN volunteered to take charge and set up GitHub.				
		Diagram and an action to actaly up an appropriate programme of the state of this point and time line and the				CIV to work on autroption data from the according ADI
2	11/23/2023	Plan: short meeting to catch up on progress. Discussed everyones' best datasets at this point and timeline needing us to make an API dataset choice asap. Ran through Teleport offerings and limitations. Decided to code the API requests.	45	TN, SK, SHS, NP	Yes	SK to work on extracting data from the countries API. Other members think of potential research questions.
	+	Full group meeting to make decision regarding dataset. Presented code progress (.py files for API requests, SQL table,				
2	11/24/2023		90	TN, SK, SHS, AMG, NP	Yes	https://autumncfgdegree2023.slack.com/archives/C06507J102K/p
		tasks for data-handling phases		,,,		<u>1700858587915659</u>
		Planned for short meeting to relay progress on initial tasks and tackle any problems / any interrelation needed between the				
		tasks. A lot of work had been done so we shared progress on API code (SK), dataframe conversion code (NP), progress			Yes	
2	11/25/2023	023 on HW2 and gant chart (AMG), high level SQL database planning and EER diagram (TN) and SQL table creation / deeper	105	TN, SK, SHS, AMG, NP		
		adjacent dataset investigation (SHS). We discussed challenges (JSON > dataframe) and brainstormed way to streamline work (going from csv where possible straight to pandas/jupyter rather than JSON > SQL > jupyter). We also discussed the				
2	11/26/2023	Meeting discuss NP progress regarding dataframe, clarification of requirements (whether or not SQL needed or useful), worked jointly on question formulation as we could now see our dataset in CSV (being specific), looked at Data Questions	75	TN, SK, SHS, AMG, NP	Yes	SK perform currency conversion on salaries
	11/20/2023	tab in Google Sheet, discovered needed to convert currency of API returned salaries to GBP	/3	TIV, SIX, SI IS, AWG, IVI	163	TN to construct SQL database if appropriate for data
3	11/28/2023	Meeting to discuss progress on code and HW2 and SQL database	75	TN, SK, SHS, AMG, NP	Yes	
3	11/29/2023	Meeting about missing values from the API which was used for the SQL Database. Nicola created a presentation to explain	45	TN, SHS, AMG, NP	Yes	Tatiana to finish the SQL database. Samantha to submit
	11/20/2020	what happened and to ask for the group confirmation before updating the API code.	10	111, 0110, 71110, 111	100	homework 2. Have another meeting tomorrow with SK to assign tasks to team
4	12/4/2023	Meeting to distribute the work going forward. SHS began typing all members contributions for creating a 'roadmap' of tasks t	75	TN, SHS, AMG, NP	Yes	members.
		Meeting with group to allocate cleaning, analysis, visualisation tasks. SK caught up in on progress of group over weekend				TN to start on Project Documentation
		on SQL database, location of updates to files in GitHub and group's creation of document to solidify analysis questions				SK to work on heatmap of missing values
		(Google Doc "Project Plan"). NP made presentation as had uncovered some serious outliers in our data which would skew our analysis if left unhandled, and presented a solution appropriate for the time we have left for the project. Group agreed ideally we'd go back and do more exploratory analysis on our data to see if there was a more thorough way to relativise or clean the data, however in the 4th week we agreed as a group we had to move forward with what we have, even if this				SHS to check classification of countries in our list, add column to SQL Countries table, so that we can exclude any 'regions' or odd
	10/5/0055			TN, SK, SHS, AMG, NP	l,	territories which may skew results.
4	12/5/2023		75		Yes	NP to continue work on code that produces average salary for
		means streamlining the subset of data we use or tailoring our questions relative to what the data can give us answers to.				each country with with to relativise individual interesting salaries.
		Also collectively decided on specific list of IT jobs to focus on, and how to streamline our data to the most relevant				Looking for any further issues, or patterns. Look at ML analysis
		instances (i.e. classifying our countries as 'proper countries' vs 'regions' which may have been included). Each of us have a cleaning / visualising / analysis or documentation task to do and present back on Friday evening.				only if there is time. AMG to work on box plot for outliers and histogram for data
	-	ra Gearnio / visualismo / arialysis of documentation rask to do and present back on Friday evening.		ſ.	1	RIED TO MOLY OUR STRING TOLI DOMESTATION OF STRING TO MOLY OUR DISTORTED TO MOLY OUR DIS

4	12/8/2023	Group meeting to share analysis progress, visualisations created, concerns etc. Confirmed exactly which version of the dataset files we need to be using. Discussed if we were going to be able to / need to incorporate the WorldData cost_of_living data. We brought together observations about how we were feeling about the quality of the dataset (boxplots and histograms created by people were shared) and how we may need to adapt the questions we ask. NP came up with some very clever suggestions for how we can usefully make sense of the data we have despite the apparent variability across countries for the local currency salary figures (internal consistency thankfully was observed from the visualisations).	80	SK, NP, AMG, SHS	Yes	SK to finish and upload Juptyer Notebook version to GitHub for others to add their contributions to. NP to work on idea for analysis on a country-country 'internal' basis, which can then be compared to others.
4	12/9/2023	Group meeting to distribute documentation tasks, final visualisations and analysis tasks. SHS gave feedback on testing the Jupyter notebook which highlighted the need for it to be tested by all team members, and also prompted a run through of the notebook, updating filepaths from code that had come from different team members. Also discussed how best to organise the Juptyer Notebook file dependencies within GitHub.	50	TN, SK, SHS, AMG, NP	Yes	AMG to upload charts to Juptyer AMG and SHS to test notebook, provide feedback on commentary and comments, add in any extra analysis or comments, reorganise sections etc TN to start on documentation and be in charge of divvying up different sections. TN to complete section for Jupyter notebook regarding SQL database construction. NP as per previous discussion, just to focus on visualisations. SK to support NP with coding, testing, any other delegated tasks. SK to look at potentially altering NP code in Notebook to take a list of jobs as arguments rather than different function per job title.
5	12/11/2023	Meeting to run through documentation progress, new visualisations (ML, yay!), distribute remaining tasks, revisited intial question focus again as a group to make sure our visualiastions and analysis were relevant. Ran through the marks scheme breakdown and proportions. Discussed how our understanding of the dataset has evolved during the project, it's limitations and how we have adapted our analysis to the dataset rather than forcing questions that we were interested in but possibly don't have answers from our data. Ended with distributing remaining things to do, agreed an aim of trying to get the project finalised by Friday to give us all time to revise for the exam.	80	TN, SK, SHS, AMG, NP	Yes	
5	12/13/2023	Met to go over project requirements and allocate last pending tasks	70	TN, SHS, AMG, NP	Yes	
5	12/14/2023	Discussed achieving specific documentation requirements	15	NP, TN, SHS	Yes	
5		Discussed final tasks for project submission - documentation tasks, Jupyter Notebook final details including last analyses, attatching powerpoints rather than including them in the doc.	60	TN, SHS, AMG, NP	Yes	Delegated and clarified tasks

Total Meeting time (hrs): 19.42

TEAM MEMBERS & THE ROLES IN DETAILS

Sam Kerr - In a hands-on coding role, I assumed primary responsibility for a Python API program, adapting it to evolving data project needs, such as incorporating currency conversions, and laying the groundwork for initial DataFrames. I seamlessly transitioned the program into a Jupyter Notebook (Part 1) for enhanced flexibility. Collaborating closely with Nicola P, we engaged in reciprocal code review and testing, integrating mutual improvements into central files. Early in the project, I compiled project requirements into a task list and diligently maintained a meeting summary log. Alongside team members, I invested significant effort in the search for a high-quality dataset. Beyond coding, my main focuses encompassed organisational aspects and strategic planning, culminating in the production of visualisations and analysis to contribute to the project's overall success.

Nicola Prevost - I streamlined data processing by integrating an API into the DataFrame, addressing compatibility issues with outdated ISO_alpha2 codes in Namibia for the currency converter. This paved the way for robust data analysis, including currency conversions and rectifying discrepancies. The cleaned dataset then fueled dynamic visualizations—bar charts, stacked bar charts, and scatterplots—to distill complex insights. Additionally, I delved into machine learning, implementing a Support Vector Machine (SVM) model for predictive analytics. This dual approach showcases my end-to-end proficiency in data science, from efficient data handling to advanced analytical

Tatiana Ngamba - I took on the lead role in data cleaning and normalization, handling extensive datasets and utilising Excel for data cleansing. Additionally, I created an ER diagram to design the SQL database structure, subsequently creating and implementing the SQL database which has been used for our data visualization. My responsibilities extended to project documentation, where I lead the creation of a comprehensive document by ensuring all sections were populated with relevant information. Furthermore, I played a pivotal role in project management, overseeing the group's progress, advocating for regular meetings, and asking relevant questions to drive the project forward.

Alicia Monge Grasa - I conducted thorough data cleaning and analysis using Jupyter Notebook, ensuring data integrity and uncovering meaningful insights through further data analysis and various visualizations. Simultaneously, I took charge of project management, overseeing timelines and coordinating team efforts to maintain project momentum. This integrated approach highlights my proficiency in hands-on data tasks and effective project leadership, ensuring a comprehensive and well-managed project lifecycle.

Samatha Hughes-Stanley - I authored a Jupyter notebook for our Homework 2, using markdown and coding to integrate formatted images, enhancing our documentation's clarity and visual appeal. Additionally, I developed a SQL database for our Country Codes table, vital for including population density data in our analysis. I also tackled the challenge of updating our gender pay parity data, where I curated a new, precise CSV file for ease of integration into our analysis, rectifying discrepancies and outdated information from our previous data sources. In terms of team collaboration, I contributed ideas, concerns, datasets, files via GitHub, write-ups and supported team members including troubleshooting errors.

Name: Tatiana Ngamba Project Group (Name/Number): The-GitGirls-Collective-7 - Group 7

Week:	Date:	Activity/Task:	Time spent on Team Members Involv Activity: (if applicable)	Completed?	Notes:
1	11/13/2023	Created a zoom meeting and povide the link to the group.	15 Tatiana	Yes	Completed
1	11/13/2023	Individually research data for Cybersecurity. And explained my findings to the team via zoom.	30 <i>Tatiana</i>	Not completed	Still deciding and it was decided we can do more research and have a meeting on 14/11/2013. After the meeting on Tuesday, I suggested that we take wednesday and thursday to reserch our topic further. and we can meet up at 5:30pm on friday to choose a direction we ould prefer to take.
	14/11/2023 & 15/11/2023	Whilst researching Cybersecurity data sets and API further. I reaslised that my knowledge for this field was not great and I could't fully understand what I was looking at. I decide to search for different data sets to see it there would be a better topic that we could explore further. I search for e-commerce topics by reading articles on vogue and Business of Fashion. I did come accross a subject that I thought was interesting. This was called 'E-commerce Fraud' - friendly Fraud for retail brands. However, whilst looking for data and API for this topic, there was not much data avalaible. I did come accross Credit cards detection fraud but the data sets was not suficientl for this project.	180 <i>Tatiana</i>	Not completed	We are still deciding which direction to take.
1	11/16/2023	I downloaded and updated the project activity log spreadsheet. I added six tabs for each member and wrote all of our names and project name/number. I saved and uploaded the final version to our Slack group for easy accessibility.	30 Tatiana	Yes	Completed
1		I created a new GitHub Repo. I added all group members, added our marker & CFG	30 Tatiana	Yes	Completed
1		I create two projects managers (Project & Homework two) and added the breakdown tasks.	90 Tatiana	Yes	Completed
1		Started the project Documentation	45 Tatiana	Not completed	Need to start documenting each section correctly.
1	18/11/2023 & 19/11/2023	I have spent the whole night/ Morning searching for relevant data set and API for our project/ chosen topics and I have been unable to find any suitable. I have even tried to access details via GET request on python and there wasn't much luck. So I decided to research more on a background that I have more knowledge in, which is Education and fashion. Education - unfortunately, AQA does not display their data sets about students & there is no way of getting any API. I was going to ask my friend to share some data as she is still working there but I did realised that this would be a data breach to be honest. hence why they would never share historical and current data set. Fashion - In regards to Fashion, I started reading more articles and i came across Instagram API, which can be use to see people's basic post information (https://developers.facebook.com/docs/instagram/) which use to analysing information iff we wanted. I came across H&M API - after further reading, they will only grant access to developers if it would bring them customers. Then I came across Asos API and I was able to find some data set via Kaggle. API - https://rapidapi.com/apidojo/api/asos2/ Data sets - https://www.kaggle.com/datasets/trainingdatapro/asos-e-commerce-dataset-30845-products Data Sets - https://data.world/tatiana-e93/project-cfg/workspace/file?agentid=opensnippets&datasetid=asks-products-dataset&filename=sample_asos_data_jun_2021.csv	300 Tatiana	Not completed	We will need to meet up as a group and finalise our lastest findings
2		Searched for accessible API for the group project and found several free API.	60 Tatiana	Completed	We selected one of the public API for our project
2		My focus was to create an SQL Database for our project using all the data from the API source and other sources. I used a spreasheet as a way to normalised the data and created and ER diagram which was shared to the team for approval before writing the SQL code.	180 Tatiana	Not completed	We decided to reduce the number of tables. The original ER diagram had 10 tables, which wouldn't have been feasible for our data visualization. After showing this to the group, it was decided that we reduce the tables and add more data for certain tables.
2	11/26/2023	I did a few research on how we could phrase our main concept question for question 1—homework 2. I created a Jupyter notebook for our homework and added all the homework questions and the relevant answers that was done by the group. This documnet to shared in our slack channel, so that Nicola and Samantha could updated it with their answers.	180 Tatiana	Not completed	We still need to decie on our concept questions. Question 3 and 4 and nearly done but we still need to add more to question 1 and 2.

					After sharing this, Sam and Alicia had some suggestions on how to create a
		Redid the ER diagram and sent the updated version to the group channel for approval and final			primary key for the job table. as the job id and the job titles are the same
3	11/27/2023	confirmation from the group.	60 Tatiana	Completed	things.
		I examined the data and renormalized the final version of our SQL table. I moved columns across to			
		ensure that we only had 3 tables and less data duplication. I struggled with the Gender pay column as I			
		need that column to match the data that was already for the countries table and we had this data for some			
		countries but not all. I went through each column of the data which took a very longtime. After class, we			
		had a team meeting and Alicia showed me how to do a VLOOK UP . and I carried on working on these			finished Countries spreadsheet but now had to create the job and the
3	11/28/2023	spreasheets ads the final data will be inserted to our 3 SQL data.	240 Tatiana & Alicia	Not completed	salaries table.
	4.4.00.0000	Whilst analysing the data and adding the relevant columns to each table spreadhseet, I realised that we	400 T .:		
3	11/29/2023	were missing data salaries table and flagged this to the team.	120 Tatiana	Not completed	
		NIcola provided an updated spreadsheet with all the data values including the missing values which was			
3	11/30/2023	then used to update the spreadsheets that I was working on.	180 Tatiana		
3	11/30/2023	Wrote the SQL Code for our 3 tables and inserted values into these three table. I exported each tables as	100 Tatlalia		
3	12/1/2023	a CSV files and uploaded this on github.	360 Tatiana	Completed	
	12, 1,2020	Reviewed Homework 2 and added my comments to the group channel as Samatha was going to submit	ood Fallana	Completed	
3	12/1/2023	this homework.	60 Tatiana	Completed	
		I was going to merge all the SQL tables together via excel and save it as a CSV but turns out I am unable		·	
		to do that because there are multiple sheets. Whilst doing this, I realised that SQL only exports 1000 rows			
		of data and we have more than 10,000 rows of data per table for Jobs and salaries. so I had to export			
		multiple spreadsheets and saved it accordingly in one big spreadsheet. Now we have all the data in each			
		spreadsheet (Countries, Jobs and Salaries). I have uploaded these spreadsheets in the 'SQL branch' as			
3	12/3/2023		180 Tatiana	Completed	
		Reading all the individual spreadhseets on Jupyter notebook ensure that it works and is ready for us to			
4	12/5/2023		60 Tatiana	Completed	
		Created the project documentation and all all the relevant bullet point. I created the project title, created a			
	40/0/000	picture logo for the documentation, and organised the documentation. I added the introduction, aims and	240 Tations	Nat assessated at	There is still a let that will provid to be done for the documentation
4	12/9/2023	objectives. Wrote down the summary of how the SQL table was structured including how the data was processed and	240 Tatiana	Not completed	There is still a lot that will need to be done for the documentation.
		the missing values. Added the SQL to the GLOBAL IT SALARY ANALYSIS (Git-Girls-Collective-7)			
1	12/10/2023	Notebook Part 2 (Data Analysis)	240 Tatiana	Completed	
5		Working on Project documentation	90 Tatiana	Not completed	
		Working on Project documentation and created the outline for the main branch READ ME file on Github to	30 Tatiana	140t completed	
5	12/12/2023	outline where all the relevant will be displayed.	210 Tatiana	Not completed	
F		Finding the correct colours for our stacked bar chart. Testing and running our Jupyter notebook.	2.0.0000		
5	12/13/2023	Adding suggestions and team meetings.	220 Tatiana	Completed	
5		Recreated a new project documention to ensure that we meet the documention criteria	12 Hours Tatiana	Not completed	
5		Focused and worked on documentation whilst consulting the group on certain sections.	7 hours Tatiana	Not completed	
5		Finished the reporting section of the documentation	2 hours Tatiana	Completed	
	12/11/2020	. manda ma reporting addition of the documentation	2 110010 1001010	Completed	

Individual Time Total time: 78 Hours

:: Sam Kerr Project Group (Name/Number): The-GitGirls-Collective-7 - Group 7

			ı	T	1	
Wee k:	Date:	Activity/Task:	Time spent on Activity:	Team Members Involved (if	Completed?	Notes:
1	44/40/0000	Group met during and beyond session time to plan project. Discussed SWOT for all members - Google Sheet completed with notes Grouped suggested topics for focussing dataset search	90	applicable) All 6		
		Discussed what elements we need to look for in a good dataset Members did 30mins individual research on datasets, came back to present initial ideas on topic Decided to spend next 2 days individually searching for datasets, and present any interesting ideas to group after class	30	All 0		
1		Spent 1.5hrs individually looking into crypto sources and latterly cybersecurity data sources. Found one potentially interesting dataset and I was researching ways to interact with it (MitreAtt&ck API and Python library)	90	SK		
1	11/13/2023	Emailed address listed on the gov.uk Cyber security breaches survey 2023 page to ask if a dataset was available	10	SK		
1	11/14/2023	Adding links to Google Sheet Braindump Dataset Links tab and set up Activity Log Individual	20	SK		
1	11/14/2023	Initial explore of ICO Incident dataset, explored idea of mapping to MitreAtt&ck framework. Researched STIX and MitreAtt&ck. Emailed ICO to see if there are any more granular versions of the dataset available for analysis	60	SK		
1	11/14/2023	Meeting with full group to run through possible use of ICO incident trends dataset, exploring positives and limitations	45	SK		
1	11/15/2023	Research into NVD CVE database and API functionality. Wrote post to group on Slack	60	SK		
		Research into CWE and links between CWE and CVE database. Info posted to Slack.				
1	11/16/2023	Messaged Programmes Team regarding Conclusion section of Project Documentation. Wrote to assessor to clarify & received answer	60	SK		
1	11/17/2023	Put HW2 into Google Sheet, broken down. Added tab to Google sheets with thoughts about meeting agenda for tonight	45	SK		
1		Wrote Python script to make API call to NVD CVE, tested. Both a sample size and a larger API call for full DB. Made script to calculate filesize and time estimates, to inform how to batch data. Started planning re modifying API call to move through batches of 120 days, as a flexible way of scoping our dataset (stopped as group may not decide to use this dataset).	240	SK		
		Started researching how to parse JSON file data into SQL, i.e. nested dictionary structures (explored csv format initially, not a good idea, defo best to go straight to SQL). Stopped as may not be using this dataset				
1	11/17/2023	Meeting with full group (see Meeting tab for full details)	90	5		
1		Set up meeting tab in Project Activity Log. Slack post to group re GitHub branch organisation and work over weekend.	30	SK		
2	11/22/2023	Spent time looking at dataset links shared by team members on Slack. Found Telaport, spent time reading the API documentation and looking around the JSON objects seeing what information was available via API vs their website. Looks promising, particularly salary data for countries and 'urban area' metrics. Could definitely find some interesting questions to ask. Python code might be laborious due to multiple categorisation levels. But not starting work on coding API request unless group are interested. Made a Slack post with links. Quick comms with group arranging next meeting.	90	SK		
2	11/23/2023	Group met to make a decision regarding everyone's best datasources at this point, we decided to use Teleport's data as the basis and try to find smaller country-specific statistics to cross reference. Agreed I would start work on the API whilst other group members looked for relevant intersecting data / thinking about questions to ask	45	4		Do API request code
2	11/24/2023	Wrote Python script to make API calls to Teleport, grabbed the list of countries, the overview country statistics and the salary data for each country. Also created git folder and sync'd with remote repository, uploaded data and .py files.	240	SK		
2	11/24/2023	Group meeting to share progress, allocate tasks for HW2 and starting on the data handling. I will be starting on HW2 Q4 and finishing the API call code.	90	All 5		Finish API request HW2 Q4

Dataset. Added links shared in Slack to this Created Data Questions sheet in Google Sheet. Brainstormed 4 questions in a lot of detail (Q. datasets used, analysis steps, visualisation, purpose). 2 11/25/2022 Reported. By cools for teleport. API. requests. countries to improve consistency, including writing a new heliper function, renaming log late etaic. Created new Oithib branch Samt. Proj. Cools and uplosted with there, created PUR Request. 2 11/25/2022 Visited on urban_areas py code (learer abundroined, not going to be useful) 4 11/25/2022 Visited on urban_areas py code (learer abundroined, not going to be useful) 5 11/25/2022 A World and on progress on API Cools, SQL database design, additional data sources. Droppod requirement for urban_areas example and additional data sources. Droppod requirement for urban_areas example and additional data sources. Droppod requirement for urban_areas example and additional data sources. Droppod requirement for urban_areas example and additional data sources. Droppod requirement for urban_areas example and additional data sources. Droppod requirement for urban_areas example and additional data sources. Droppod requirement for urban_areas example and additional data sources. Droppod requirement for urban_areas example and additional data sources. Droppod requirement for urban_areas example and additional data sources. Droppod requirement for urban_areas example and additional data for urban_areas example and urban_areas example and additional for any urban_areas example. All 5 on the additional data for urban_areas example and urban_areas exampl			Updated Dataset Links in Google Sheet to separate out discarded sources and additional sources now relevant to the main Teleport		T T	
Rewrition by code for felipport, API_requests_countries to improve consistency, including writing a new helper function, renaming log liste etc. Created new Gill-libb branch Samk, Proj. Code and uploaded work thee, created Pull Request 10 5 SK 11/25/2023 Worked on urban, areas by code (later abandones, not going to be useful) 90 SK 11/25/2023 Worked on urban, areas by code (later abandones, not going to be useful) 90 SK 11/25/2023 Worked on urban, areas by code (later abandones, not going to be useful) 90 SK 11/25/2023 Worked on urban, areas by code (later abandones, not going to be useful) 11/25/2023 Worked on urban, areas by code (later abandones, not going to be useful) 11/25/2023 Worked on the salarises data. Very small amount of help given to NP (last explaining current function version) while she was working on upgrading API request code to go straight to DP vs 15/5N as my version was set up to do. 11/25/2023 Worked Worked on the salarises data. Very small amount of help given to NP (last explaining current function version) while she was very small amount of help given to NP (last explaining current function to explain the salarises data. Very small amount of help given to NP (last explaining current function to see that the code of the salarises and the salaris	2	11/25/2023	Dataset. Added links shared in Slack to this Created Data Questions sheet in Google Sheet. Brainstormed 4 questions in a lot of detail (Q, datasets used, analysis steps,	90	SK	
the etc. Created new Girlusb branch Samit, Proj. Code and uploaded work there, created Pull Request ' 120 SK Wisked on unbar, areas py code (later abundaned, not ging to be useful) 90 SK Wisked for unbar, areas py code (later abundaned, not ging to be useful) 90 SK Wisked on unbar, areas py code (later abundaned, not ging to be useful) 90 SK Wisked on unbar, areas py code (later abundaned, not ging to be useful) 90 SK Wisked on unbar, areas extra data to focus on the salaries data. Very small amount of help given to NP (lust explaining current function version) while she was working on unpading API request code to go straight to DF vs. JSCN on save years on was setup to do. 90 SK Wisked planting current function version) while she was working on unpading API request code to go straight to DF vs. JSCN on save years on the code of code and sold the power of the code of th			71 1 7			
Meeting to check in on progress on API code, SOL database design, additional data sources. Dropped requirement for urban, areas working on upgrading API requised code to go straight to DF vs. JOKON as my version was set up to do.	2	11/25/2023	files etc. Created new GitHub branch SamK_Proj_Code and uploaded work there, created Pull Request			
2 11/28/2023 extra data to focus on the salaries data. Very small amount of help given to NP (just explaining current function version) while she was working on upgrading API request code to go SSOM as my version was set up to do. 2 11/28/2023 Wrote HW2 O4 3 11/28/2023 Wrote HW2 O4 4 11/28/2023 Wrote HW2 O4 2 11/28/2023 Wrote HW2 O4 3 11/28/2023 Wrote HW2 O4 4 11/28/2023 Wrote HW2 O4 4 11/28/2023 Wrote HW2 O4 5 11/28/2023 Wrote HW2 O4 4 11/28/2023 Wrote HW2 O4 5 11/28/2023 Wrote A constraint of the Salaries to GBP, to the tard with the cast life, to output 3 new columns displaying salaries converted to GBP. Cleaned the unnecessary log and pry-generated files out of gifthub branch, created pull request with explanatory comments about the changes. 3 11/27/2023 5 11/28/2023 Wrote a new function api_currency_rates to bring the creation of the currency_rate_json inside the python code and alleviate the need for an external file downloaded seperately. Also now makes the code completely dynamic for creating a Treath' disaset each time. Made sure Gifthub branches were uptodate 8 pushed updated code. Created new folder for disasets with the base was updated to be analysed. 3CL integration to Unique Wrote Park with the form of the work of the w	2	11/25/2023	Worked on urban_areas py code (later abandoned, not going to be useful)	90	SK	
Meeting with group to discuss NP progress regarding dataframe, clarification of requirements (whether or not SQL needed or 75 All 5 convert currency of API returned salaries to GBP, I took that on Worked on currency or conversion to GBP to interest with the cost in the conversion of CBP to interest with the cost in the conversion to include currency conversion to GBP to interest with the csy file, to output, 3 new columns displaying salaries converted to GBP. Cleaned the unnecessary log and py-generated files out of github branch, created pull request with explanatory comments about the changes. 3 11/27/2023 Comms with group members about code and SQL database 3 11/27/2023 Wrote a new function application of the currency_rate, json inside the python code and alleviate the need for an external file downloaded seperately. Also now makes the code completely dynamic for creating a fresh dataset each time. Mades sure Gill-Hub branches were uptotated as purshed updated code. Created new folder for databet be refined to be analysed. SQL integration code (insightmene), some basic cleaning and discarding of data, but output can be also all stages. Uploaded to separate folder on my branch in github. Started this for my own practice and as I'll be away this weekend so needed to make a contribution early. 3 11/28/2023 Meeting with group to discuss finalising HW2 and next steps for project 5 hours overhauling python code (wrote main, py, organised other code into utils). Updated functions to produce two timestamped (so unique) files to better control versioning. Recommended code. 4 12/5/2023 Spoke with NP and looked at updates to Python code for deaning troublesome values. Closed 2 pull requests. Merged NP code changes into the most uptodate Python code (from my branch) and created pull request to merge into the Project. Code branch	2	11/25/2023	extra data to focus on the salaries data. Very small amount of help given to NP (just explaining current function version) while she	105	All 5	SK do / finish HW2 Q4
1/28/2023 useful), worked jointly on question formulation Cheing specific), looked at a Data Questions tab in Google Sheet, discovered needed to 75 All 5 convert currency of API returned salaries to GBP. I look that on a Chein Specific Convert currency of API returned salaries to GBP. I look that on a Chein Specific Che	2	11/26/2023	Wrote HW2 Q4	90	SK	
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3 11/28/2023 Wrote a new function api_currency_rates to bring the creation of the currency_rate_json inside the python code and alleviate the need for an external file downloaded seperately. Also now makes the code completely dynamic for creating a fresh' dataset each time. Made sure GitHub branches were uptodate & pushed updated code. Created new folder for datasets Spent about 3hrs starting work in Jupyter NB trying to join our datasets into a large dataframe with all information which can be refined to be analysed. SQL integration code (nightmare), some basic cleaning and discarding of data, backup output csv's saved at all stages. Uploaded to separate folder on my branch in github. Started this for my own practice and as I'll be away this weekend so needed to make a contribution early. 3 11/28/2023 Meeting with group to discuss finalising HW2 and next steps for project 5 hours overhauling python code (wrote main.py, organised other code into utils). Updated functions to produce two timestamped (so unique) files to better control versioning. Recommented code. 3 11/29/2023 Continued working on Jupyter Notebook on loading, joining and cleaning stages. Worked on commenting Notebook as I would not be around to explain the code this weekend. Joined country, salary, gender pay and cost of living datasets into dataframes. Produced csvs to convert into MySQL tables. Updated a couple of group members with more detail about what has been done, and put a message on Slack group, and uploaded files to GitHub branch so that everyone can access. This hopefully puts group in the position where they can analyse all our 4 datasources together and start asking questions / making visualisations. 4 12/5/2023 Spoke with NP and looked at updates to Python code (from my branch) and created pull request to merge into the Project_Code branch	2	11/26/2023	functoin to include currency code (relying upon a different json file and function), write whole new function to use new json file of currency conversions to GBP to interact with the csv file, to output 3 new columns displaying salaries converted to GBP. Cleaned the unnecessary log and py-generated files out of github branch, created pull request with explanatory comments about the	130		
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changes into the most uptodate Python code (from my branch) and created pull request to merge into the Project_Code branch	3	11/29/2023	(so unique) files to better control versioning. Recommented code. Continued working on Jupyter Notebook on loading, joining and cleaning stages. Worked on commenting Notebook as I would not be around to explain the code this weekend. Joined country, salary, gender pay and cost of living datasets into dataframes. Produced csvs to convert into MySQL tables. Updated a couple of group members with more detail about what has been done, and put a message on Slack group, and uploaded files to GitHub branch so that everyone can access. This hopefully puts group in the	300	SK	Had to get ahead on my contribution this week as I am away over weekend.
Meeting with group to allocate cleaning, analysis, visualisation tasks. SK caught up in on progress over weekend on SQL database,	4	12/5/2023		60	SK, NP	
location of updates to files in GitHub and groups progres on document to solidify analysis questions (Google Doc "Project Plan"). NP made presentation as had uncovered some serious outliers in our data which would skew our analysis if left unhandled, and presented a solution appropriate for the time we have left for the project. Group agreed ideally we'd go back and do more exploratory analysis on our data to see if there was a more thorough way to relativise or clean the data, however in the 4th week we agreed as a group we had to move forward with what we have, even if this means streamlining the subset of data we use or tailoring our questions to what the data can give us answers to. Also collectively decided on specific list of IT jobs to focus on, and how to streamline our data to the most relevant (i.e. classifying our countries as 'proper countries' vs regions which may have been included). Each of us had a cleaning / visualising / analysis or documentation task to do and present back on Friday evening.			location of updates to files in GitHub and groups progres on document to solidify analysis questions (Google Doc "Project Plan"). NP made presentation as had uncovered some serious outliers in our data which would skew our analysis if left unhandled, and presented a solution appropriate for the time we have left for the project. Group agreed ideally we'd go back and do more exploratory analysis on our data to see if there was a more thorough way to relativise or clean the data, however in the 4th week we agreed as a group we had to move forward with what we have, even if this means streamlining the subset of data we use or tailoring our questions to what the data can give us answers to. Also collectively decided on specific list of IT jobs to focus on, and how to streamline our data to the most relevant (i.e. classifying our countries as 'proper countries' vs regions which may have been included). Each of us had a cleaning / visualising / analysis or documentation task to do and present back on Friday evening.			
4 12/5/2023 Updated activity log and meeting tab with summary 15 SK	4	12/5/2023	Updated activity log and meeting tab with summary	15	SK	

		,			
4	12/8/2023	Spent all day refining existing sections of Juptyer Notebook draft, reorganised it into sections, recommented, took out discarded or outdated parts. Took quite a long time to decipher the path the data had taken through the inititial dataframes created by combining the API call data and various datasets (which had errors) through to the SQL Database and the final xlxs output from those tables. Added in new section referencing SQL Database, and recreated DataFrames from the SQL xlxx file. Completed basic analysis, some checking and cleaning. Created a Heatmap to show the missing values and wrote a small analysis section. Spent time during the day working with NP to add in her code and findings from her analysis. Spent about 1.5hours interrogating the data, going back to the original API requests, the currency conversion, all versions of the dataframes etc to work out if the extreme values which seemed to be undermining the dataset were the result of error or if they were legitimate. Spent time sampling the extreme low datapoints (iran, vietnam, laos) and researched what these countries average annual salaries are, what their national minimum wage is in their own currencies. Compared this data to the API data. Also investigated how much of our dataset might be affected based on the 'dollar a day' heuristic. From this research I wrote an email to Teleport asking for help. Thought about the different options we could take from here to discuss at the group meeting.	420	< and that's conservat ive! SK (NP)	
4	12/8/2023	Sent email to Teleport asking for insight about their API data	25	SK	
4	12/8/2023	Group meeting to share analysis progress, visualisations created, concerns etc. Confirmed exactly which version of the dataset files we need to be using. Discussed if we were going to be able to / need to incorporate the WorldData cost_of_living data. We brought together observations about how we were feeling about the quality of the dataset (boxplots and histograms created by people were shared) and how we may need to adapt the questions we ask. NP came up with some very clever suggestions for how we can usefully make sense of the data we have despite the apparent variablility across countries for the local currency salary figures (internal consistency thankfully was observed from the visualisations).	80	SK, NP, AMG, SHS	SK to finish and upload Juptyer Notebook version to GitHub for others to add their contributions to. NP to work on idea for analysis on a country-country 'internal' basis, which can then be compared to others.
4	12/8/2023	Completing personal log and meeting log	10	SK	
4	12/9/2023	Group meeting to distribute documentation tasks, final visualisations and analysis tasks. SHS gave feedback on testing the Jupyter notebook which highlighted the need for it to be tested by all team members, and also prompted a run through of the notebook, updating filepaths from code that had come from different team members. Also discussed how best to organise the Juptyer Notebook file dependencies within GitHub.	50	TN, SK, SHS, AMG, NP	AMG to upload charts to Juptyer AMG and SHS to test notebook, provide feedback on commentary and comments, add in any extra analysis or comments, reorganise sections etc TN to start on documentation and be in charge of divvying up different sections. TN to complete section for Jupyter notebook regarding SQL database construction. NP as per previous discussion, just to focus on visualisations. SK to support NP with coding, testing, any other delegated tasks. SK to look at potentially altering NP code in Notebook to take a list of jobs as arguments rather than different function per job title.
4	12/9/2023	Updated Jupyter notebook with group changes from meeting and slight changes to GitHub branch organisation as per group decisions	15	SK	
4	12/9/2023	Attempted to assist with troubleshooting SQL cell via Slack	15	SK	
4	12/9/2023	Reformatted NP def analyst() and def engineer() functions to take in a list of the relevant it roles and produce a chart for each, side by side.	90	SK	
4	12/10/2023	Slack comms organising the structure of the notebook	30	SK	
4	12/10/2023	Re organised Juptyer Notebook to include new version of NP code. Pushed to github, messaged on slack explaining changes	90	SK	
4	12/10/2023	Created new Juptyer Notebook for Python API code. Full reorganise of code, splitting out all commentary, docstrings etc. Did several full tests and added in commentary just for the notebook and some additional print statements which help the notebook format. Direct push upload to GitHub Project_Code branch.	120	SK	
4	45270	Wrote the Data Collection section for the Project Documentation, detailing sources and methods. Some gaps to be completed by other team members and formatting / length was not finalised. Emailed Documentation Lead some resources for other sections	30	SK	
5	12/11/2023	Revisited task breakdown generated at the beginning of project to ensure we are aware of all the requirements. Did some final checks regarding data integrity, revisiting the initial expectations and assumptions about the dataset from Teleport.	30	SK	

5	12/11/2023	Meeting to run through documentation progress, new visualisations (ML, yay!), distribute remaining tasks, revisited intial question focus again as a group to make sure our visualisations and analysis were relevant. Ran through the marks scheme breakdown and proportions. Discussed how our understanding of the dataset has evolved during the project, it's limitations and how we have adapted our analysis to the dataset rather than forcing questions that we were interested in but possibly don't have answers from our data. Ended with distributing remaining things to do, agreed an aim of trying to get the project finalised by Friday to give us all time to revise for the exam.	80	TN, SK, SHS, AMG, NP	
5	12/12/2023	Wrote the Background section of the Project Documentation. Not finished, likely to need tidying by Project Documentation lead.	45	SK	
5	12/12/2023	Comms with team on Slack catching up on last nights' meeting	30	SK	
5	12/15/2023	Comms with team on Slack organising final task list. I will be in charge of final ipynb tidy-up	30	SK	
5	12/15/2023	finish, tweaked some of the file storage locations in the code to make it more organised. Overhaulled notebook 2, went through from start to finish added to commentary, reorganised sections, tidied formatting, fixed errors (references to dataframes), put in NP heatmap code. Did all the section numbering, Changed the Section 6 headings to questions. Fully tested and working. Added notes for the README along the way. Deleted duplicate chart and any unneeded comments. Added in some comments where some further organisation or analysis is needed. Also tidied the Project_Code branch on GitHub, making sure all the correct files were in data folder, cleaning out unnecessary ones, tidying file names, making sure it all matched with the Notebook code. I am DONE!!	300	SK	
5	12/16/2023	Comms with team on Slack	15	SK	
5	12/17/2023	Reviewed README file and added a few small tweaks and comments, created new temp branch and created pull request with a summary of changes document supplied on Slack for speed of review. Reviewed the others' amazing work on Canva Project Documentation over the past few days. Caught up on Slack messages on past few days, short discussion re presentation timings. Tidied Requirements Google Sheet Task list and finished my activity log	60	SK	

Total time (hrs): 72.58333333

Individual time (hrs, minus meeting hours)
Attended 15hrs meetings of 19hrs total:

57.50

Name: Samantha Hughes-Stanley

Project Group (Name/Number): The-GitGirls-Collective-7 - Group 7

			Time spent on	Team Members Involved	I	
Week:	Date:	Activity/Tooks	Activity:	(if applicable)	Completed?	Notes:
week:	Date:	Activity/Task:	Activity:	(II applicable)		Notes:
		Met with my group to discuss initial ideas. We discussed shared interests, we like				
		Cyber Security, Pharmaceuticals and CryptoCurrency. We left the call to each do				
		individual research into our chosen topics. We recovenened to discuss our findings.			Yes	
		We had issues with pay walls, quality of data, age of data, etc. We agreed to meet				
	1 11/13/2023	again on Tue to discuss any futher findings.	120	All		
		Met with the group again, Sam had found a good Cyber Security data set but we				
		didn't know yet how to incorporate an API and meet all the criteria with it. Booked			l.,	
		another meeting on Friday when we've all had some more time to find other			Yes	
	1 11/14/2023	possible data.	60	All		
	11/14/2020	Spent time researching possible data sets for the project, ready to feedback at the		7 (1)		
	1 11/17/2023	meeting tonight.	180	Me	Yes	
	1 11/17/2023	Met with the group to discuss all our findings and next steps	90	All	Yes	
		Researched more datasets, for adding on to the main Teleport data. Found UN			Yes	
	1 11/18/2023	data on birth rates and life expectancy. Looked at potential keys for joins	60	Me	165	
		Group met to make a decision regarding everyone's best datasources at this point,			Yes	
	2 11/23/2023	we decided to use Teleport's datasets	45	All	162	
	2 11/23/2023	Set up country codes SQL database and table, shared this to Github	60	Me	Yes	
	1.723,2020	Group meeting to share progress, allocate tasks for HW2 and starting on the data				
	2 11/24/2022	handling. I will be starting on HW2 Q4 and finishing the API call code.	00	All	Yes	
	1 1/24/2023	Trialled importing a CSV to MySQL and creating a join on the two datasets,	90	<u> </u>		
	44/04/0000				Yes	
	2 11/24/2023	encountered some problems, troubleshooting solutions	90	Me		
		Meeting to check in on progress on API code, SQL database design and additional				
		data sources. I shared the issues I encountered with the additional datasets and			Yes	
		MySQL, we agreed on how we wanted to move forward this and I will lead on that			103	
	2 11/25/2023		105	All		
		Found better data on gender pay parity to overcome issues found on the other				
		datasets, manually created a CSV, this involved reformatting data copied from the			Yes	
	2 11/25/2023	World Economic Forum website. Submitted to GitHub	45	Me		
		Wrote a first draft answer to Q3, utilising some notes Nicola had made and building				
	2 11/25/2023	on them to complete the criteria. Submitted to Slack	60	Me	Yes	
		Catch up with team to share progress and plan next steps	75		Yes	
	11/20/2023	My task is to finish off Homework Question 1, Nicola will give her input and I will	73	All .	103	
	11/26/2022	then add my input to complete the question	60	Me and Nicola	Yes	
	2 11/26/2023	then add my input to complete the question	60	ivie and inicola		
	3 11/28/2023	Attended meeting to discuss progress on code and HW2 and SQL database	75	TN, SK, SHS, AMG, NP	Yes	
		Attended meeting about missing values from the API, Nicola shared a presentation				
	11/20/2022		45	TN CHE AMO ND	Yes	
	3 17/29/2023	and the group agreed a way forward. I took the task of formatting HW2 into a	45	TN, SHS, AMG, NP	169	
		Jupyter notebook and submitting it.				
		Shared a google doc with the team, with all homework contributions combined. I		0.10		
	3 11/29/2023	implimented the changes suggested by the team, for them to read and review final	90	SHS	Yes	
		draft before formatting into Jupyter notebook				
		Created Jupyter notebook for HW2, inserting images for better understanding.				
		Share final draft with the team to check it worked well for them when they				
	3 12/30/2023	downloaded the zip file as the assessor would. Discovered some images were	160	SHS	Yes	
		showing well for me, for not for the group, so re-formatted them correctly, and				
		submitted the final notebook via GitHub		<u> </u>		
		Meeting to distribute the work going forward. I wrote up a 'roadmap' of tasks for the				
	4 12/4/2023	group, directed by the meeting's discussiong, on a google doc for us all to see and	75	TN, SHS, AMG, NP	Yes	
		edit				
	4 12/5/2023	Meeting with group. See meetings tab for further details	75	TN, SK, SHS, AMG, NP	Yes	
			,,,	,,,,		
	4 12/8/2023	Set up a new zoom link for the group meeting, while Tatiana wouldn't be present, as	5	SHS	Yes	
		she usually hosts				
	4 12/8/2023	Group meeting, see meetings tab for further details	80	SK. NP. AMA. SHS	Yes	
L	, 0, _020	1			1	1

4	12/9/2023	Troubleshooting errors. I finally discovered that there was a version of Pandas which I had installed, which was incompatible with SQLAlchemy's OptionEngine. Updated Pandas and the original code then worked without errors. Informed the team and contributed a small write up to advise our assessor to be aware of this issue, and ensure they had the most current version of Pandas	180	shs	Yes	
4	12/9/2023	errors I had and the solution I'd found. Also suggested new default file paths in the Notabook since we'd changed how the folder was organised, this pow runs with no	50	TN, SK, SHS, AMG, NP	Yes	
5	12/11/2023	Meeting, see meetings tab for more detail	80	TN, SK, SHS, AMG, NP	Yes	
5	12/13/2023	Meeting, see meetings tab for more detail	70	TN, SHS, AMG, NP	Yes	
5	12/14/2023	Meeting, see meetings tab for more detail, I agreed to take on some more documenation and analysis of our visualizations	10	TN, SHS, NP	Yes	
5	12/15/2023	Updated my log, caught up with latest progress of the team by reading through the newest Jupyter Notebook and documentation. Discussed creating some more visualizations with Tatiana.	90	SHS	Yes	
5	12/15/2023	Wrote analysis for 5 visualisations, attempted to add them to the Jupyter Notebook along with Nicola's heatmap, but encountered errors. Abandoned that version to avoid risking problematic code being present in the doc. Shared my visualisation analyses in a google doc via slack and let the group know I can give that another try later, or if they want to add these analyses in instead that's fine by me	210	SHS	Yes	
5	12/16/2023	Meeting, see meetings tab for more detail, my tasks will be to read through the documentation and write the conclusion	60	TN, SHS, AMG, NP	Yes	
5	12/16/2023	Writing the conclusion, drafting the results section, proof reading and editing the whole documentation	330	SHS	Yes	
5	12/17/2023	Reviewing all elements, catching up with Slack channel, preparing to submit project	90	SHS	Yes	

Total time:

48.58

Name: Alicia Monge Grasa

Project Group (Name/Number): The-GitGirls-Collective-7 - Group 7

			Time spent on	Team Members Involved		
Week:	Date:	Activity/Task:	Activity:	(if applicable)	Completed?	Notes:
1	11/13/2023	Met with my group to discuss initial ideas. We discussed shared interests, we like		All	Yes	
1	11/14/2023	Met with the group again, Sam had found a good Cyber Security data set but we di	60	All	Yes	
1	11/17/2023	Researched and added 5 links to datasets on the group spreadsheet	120	Me	Yes	Still need to choose the final dataset to work on
1	11/17/2023	Met with the group to discuss all our findings and next steps	90	All	Yes	
1	11/18/2023	Tested calling API from OECD and UN datasets	120	Ме	Yes	No succesful API calls
2	11/24/2023	Group meeting to share progress, allocate tasks for HW2 and starting on the data handling. I will be starting on HW2 Q4 and finishing the API call code.	90	All	Yes	
2	11/24/2023		60	Me	Yes	OECD found but finally not used
2	11/25/2023	Designed, created and organized gantt chart	120	Me	Yes	OECD found but finally flot used
2	11/23/2023	Meeting to check in on progress on API code, SQL database design and	120	ivie	163	
		additional data sources. I shared the issues I encountered with the additional				
		datasets and MySQL, we agreed on how we wanted to move forward this and I				
2	11/25/2023	will lead on that task	105	All	Yes	
2	11/25/2023	Ellaborated question 2 about target audience	90	Ме	Yes	
2	11/26/2023	Catch up with team to share progress and plan next steps	75	All	Yes	
3	11/28/2023	Meeting with group to discuss finalising HW2 and next steps for project	75	All	Yes	
3	11/29/2023	Final version of target audience to HW2 doc	30	Me	Yes	
3	11/29/2023	Gannt chart into HW2 doc and description added	30	Me	Yes	
		Meeting with group to allocate cleaning, analysis, visualisation tasks. Outliers				
4	12/5/2023		75	All 5	Yes	
	10/7/0000	Histogram and box plots for IT salaries and gender pay, identify outliers in the	400			
4	12/7/2023	dataset	180	Me	Yes	
		Group meeting to share analysis progress, visualisations created, concerns etc. Confirmed exactly which version of the dataset files we need to be using.				
		Discussed if we were going to be able to / need to incorporate the WorldData				
		cost_of_living data. We brought together observations about how we were feeling				
		about the quality of the dataset (boxplots and histograms created by people were				
		shared) and how we may need to adapt the questions we ask. NP came up with				
		some very clever suggestions for how we can usefully make sense of the data we				
		have despite the apparent variability across countries for the local currency				
4	12/8/2023	salary figures (internal consistency thankfully was observed from the visualisations).	80	4	Yes	
-	12, 3, 2 3 2 3	Group meeting to distribute documentation tasks, final visualisations and analysis				
		tasks. SHS gave feedback on testing the Jupyter notebook which highlighted the				
		need for it to be tested by all team members, and also prompted a run through of				
		the notebook, updating filepaths from code that had come from different team				
	40/0/0000	members. Also discussed how best to organise the Juptyer Notebook file	50	A 11 E	V	
4	12/9/2023	dependencies within GitHub. Visualization plots: box plots per country on salary and scattered plot combining	50	All 5	Yes	
4	12/10/2023	pay parity and IT median salaries	180	Me	Yes	
-	12, 10,2020	pay panty and it modal outlines	700	·····		
		Meeting to run through documentation progress, new visualisations, distribute				
		remaining tasks, revisited intial question focus again as a group to make sure our				
_	40 (44 /0000	visualiastions and analysis were relevant. Ran through the marks scheme		A# 5	Was .	
5	12/11/2023	breakdown and proportions. Distributing remaining things to do. Updates in the scattered plot by deleting outliers, add explanation and pull	80	All 5	Yes	
5	12/11/2023	request into shared notebook in Github	120	Me	Yes	
5	12/13/2023	Update gantt chart and project log progress of past weeks	60	Me	Yes	
	12/13/2023	Met to go over project requirements and allocate last tasks	70	All 5	Yes	
	12/13/2023	Iniot to 90 over project requirements and anotate last tasks	10	J^" 0	160	

Ī			Included regression line to scattered plot, organized jupyter notebook per sections, added conclussions and plot interpretations, reran file. Started readme				
	5	12/15/2023		240	Me	Yes	
Ī	5	12/16/2023	Rerun code and completed some pending clarifications in notebook 2	90	Ме	Yes	
			Discussed final tasks for project submission - documentation tasks, Jupyter Notebook final details including last analyses, attatching powerpoints rather than				
	5	12/16/2023	including them in the doc.	60	4	Yes	
	5	12/16/2023	Write Readme file with clear instructions on how to run the project, re-review notebooks and project documentation and update project log and gantt chart	360	Ме	Yes	
	5	12/17/2023	Went over project documentation and final project log update	60	Me	Yes	

Total time: 48.17

Name: Nicola Prevost Project Group (Name/Number): The-GitGirls-Collective-7 - Group 7

Week:	Date:	Activity/Task:	Time spent on Activity:	Team Members Involved (if applicable)	Completed?	Notes:
•	11/15/2023	Researched and added 3 links to datasets on the group spreadsheet	120	Nicola Prevost	Yes	Still need to select a specific area to hone in on
•	11/18/2023	Emailed ONS to request access to API	60	Nicola Prevost	Yes	Request was denied
2	11/20/2023	Researched more APIs and added one link to the group spreadsheet	60	Nicola Prevost	Yes	Limited resources for open API datasets
2	23/11/2023 - 24/11/2023	Researched more APIs, found 5 total and obtained data from 2 of them.	180	Nicola Prevost	Yes	Will discuss my findings at the group meeting tonight.
2	11/25/2023	Manged to get the API data straight into a DataFrame.	60	Nicola Prevost	Yes	
2	11/25/2023	Began Q3 of HW2 by writing notes with key points to consider.	60	Nicola Prevost (SHS)	No	Asked Sam HS to write my notes into sentences as she writes more eloquently than me I will help Sam HS with HW2 by proof-reading and commenting
2	11/26/2023	I helped write up Q1 of HW2 and came up with a hypothesis for our project.	60	Nicola Prevost (SHS)	No	suggestions.
3	11/29/2023	I wrote the summary for the group meeting.	10			
3	11/30/2023	I fixed the problem with data not pulling through correctly to the csv file.	200	Nicola Prevost	Yes	
3	11/30/2023	I created and gave a presentation on these proposed changes.	200	Nicola Prevost	Yes	
		I started a Jupyter Notebook where I experimented with the data and came up				
4	12/4/2023	with a realistic plan for how to analyse the data.	120	Nicola Prevost	Yes	
4	12/4/2023	I wrote the summary for the group meeting.	10	Nicola Prevost	Yes	
4	12/5/2023	I began analysing the data and encountered problems with very low and very high salaries for different countries. I came up with a solution and created a presentation to give to the group about it.	220	Nicola Prevost	No	Completed on 06/12/2023
2	12/5/2023	Spoke to SK about merging my missing values fixes to the project_code branch.	25	Nicola Prevost (SK)	Yes	
	12/6/2023	Following the presentation the evening before, I researched alternative ways to contextualise the very low and high values so that we could draw meaningful conclusions. I found that using the median instead of the mean of all salaries in the dataset for one country was the best way. I proceeded to write some code so that the countries for the IT jobs we had selected would be assigned one of three values; more than the median, same as the media and less than the median.	200	Nicola Prevost	Yes	
4	12/8/2023	Spoke to SK to explain my code and problems I had found during my initial analysis. Also had a meeting with SK to investigate which data we were all using as there were different versions circulating.	60	Nicola Prevost (SK)	Yes	
	12/9/2023	I started the Machine Learning for our project, specifically simple linear regression and SVM with linear, polynomial and rbf kernels. I also looked into incorporating the pay parity data but it has no obvious relationship with the other variables in our dataset. Also, if we want to predict pay parity for other countries, we will have to assign new pay parity categories (low, medium, high) as SVM does not work with continuous data as the target variable.	300	Nicola Prevost	No	Completed 11/12/2023
	12/10/2023	I brainstormed ideas for the analysis visualisation and started coding it.	200	Nicola Prevost	No	Completed 10/12/2023
		Coding a new idea for visualisations; a stacked bar chart for each IT job with the number of countries as the y variable and the colours as the more/same/less			·	
4	12/10/2023	than median.	180	Nicola Prevost	Yes	
4	12/10/2023	Updated my activity log to reflect the last 3 weeks' work.	60	Nicola Prevost	Yes	
	12/11/2023	I incorporated Machine Learning by generating an SVM model to predict levels of pay parity (high, medium and low) with continent and population density as the explanatory variables. I also generated a new scatterplot showing the relationship between continent, pay parity and population density.	200	Nicola Prevost	Yes	
4	12/12/2023	I added two additional visualisations and an OLS regression table.	180	Nicola Prevost	Yes	

		I developped two more Machine Learning models (SVM with different explanatory				
4	12/13/2023	variables and K-Nearest Neighbours (KNN).	120	Nicola Prevost	Yes	
		I wrote the analysis for the Machine Learning models in the Juoyter Notebook				
4	12/14/2023	and uploaded it to GitHub.	140	Nicola Prevost	Yes	
		I created a heatmap for pay parity across the world. I also tidied up the Machine				
4	12/15/2023	Learning models and wrote the summaries for them.	120	Nicola Prevost	Yes	
		I did a complete run through of all the code and fixed parts that weren't working				
4	12/16/2023	correctly.	180	Nicola Prevost	Yes	

Total hours (excluding meetings):

55.42