

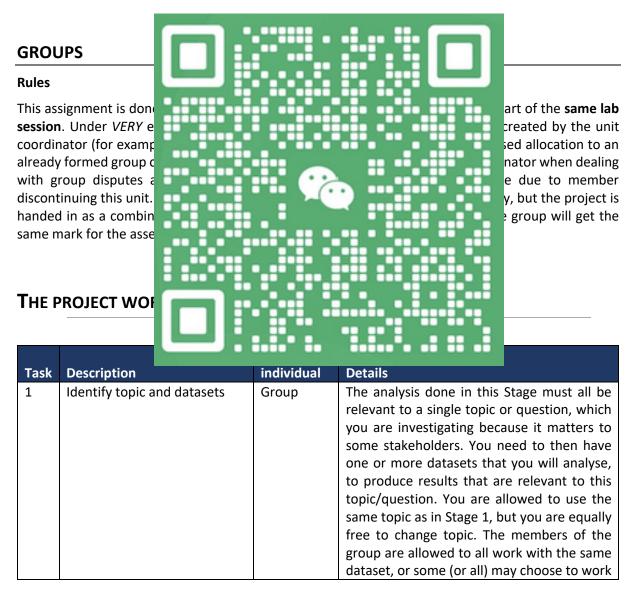
#### 2023 Sem2

#### **Group Project Stage 2**

Due: 11:59pm on Sunday (end of week 9)

Value: 10% of the unit

Note: these instructions are long and somewhat complicated, but the work you need to do is not actually very much. It should be easy to fit into the provided two weeks of your time, if you interact frequently and apply any feedback from the tutors. Don't wait till near the due date to start! If anything in the instructions is unclear or confusing, please ask about it on Edstem, using the category "Group Report", and sub-category "Stage 2".





Task	Description	Group/ individual	Details
		9	with different datasets. These datasets are allowed to be cleaned data from Stage 1, or integrated data from Stage 1, or you may choose to obtain new/extra data. There are no requirements for particular origin or volume in the datasets for this Stage. We will make available a dataset (on a topic of our choice) and any group can use that data instead, if they prefer. Note that all members of the group must be working on the same topic/question as each other, even if they use different datasets that deal with e.  you produce from etely resolve the control in ge level of wealth lysis may calculate mmunities having ing density, and a vealth relates to ng alone in each chat your question actual matter, but ips where insights some stakeholder not a good choice which country has ?").
2	Choose summaries and characteristics and chara	arts Group	Each member needs to calculate one or more grouped-aggregate summaries from the dataset they are using, and they also must produce one or more charts from that dataset. The number of summaries and charts, and some constraints on what sort of attributes are used, depends on the level of score you are seeking. Details are in the marking scheme below. It is required that all the summaries be distinct from one another, and similarly each chart must be distinct. So you need to coordinate among the

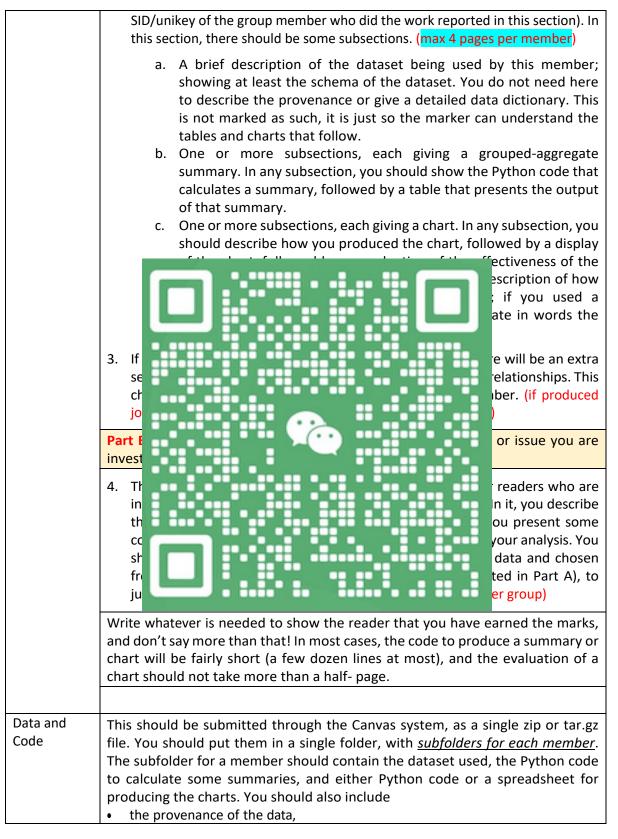


Took	Description	Group/	Details	
Task	Description	individual	members, in case two members want to do the same calculation, one at least will need to change!	
3a	Use Python to produce a few tables from parts of the data		Each member then needs to work with their chosen dataset, to produce the material for their section in Part A of the report. This will involve writing Python code to calculate one or more summaries, and running that code to get the output, this can then be formatted as a Table in the report.	
3b	Produce a few charts from parts of the date effectiveness c	Individual	Producing charts can be done either by readsheet such as the how each chart to evaluate its the approach and 8B, which is ata attributes get your chart.	
3c	Write your sec the report	··· •	ite <mark>not more than</mark> on what they have	
4	Write Part B Communicate interested read	inicate what your a		



			Group/		
Task	Descrip	tion	individual	Details	iound
				expected, and what you f	
				Working together as a g produce a report. The structure of the structure o	• • •
				is described below in det	-
				the main basic for grading	
				report has sections fo separate work, as well a	
				introduction that explains	
				and a combined presenta	tion of conclusions.
5	Produce	uce a PDF of the whole Group From the combined document, you need t		iment, you need to	
	report				
					lder, within which h member, the
			:" •••	****	taset the member
		<u> </u>	• • • • • •		le or spreadsheet
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1. The	1. There are two delivers as site.			s site.	
2. All	two deliv	verable:	· <u>::</u> · · · ·		le group.
3. The	e overall	mark fr	:.ii. :.		ıs gradebook.
Repor	DeliverableDescriptionReportThe report should have a front page, that gives the group name, and lists the				
	members involved (giving their SID and unikey, not their name), and then the				
	body of the report has <b>two parts</b> as follows:				
	Part A should be targeted at a tutor or lecturer whose goal is to see what you				
	achieved, so they can allocate a mark.				
	1. There is an initial section which briefly states the topic of interest, and the				
	stakeholders who care about this. This is not marked as such, it is just so the marker can understand the setting for the rest of the report. (max 1 page)				
		2. There should be o	ne section for	r each member (the section	on should state the



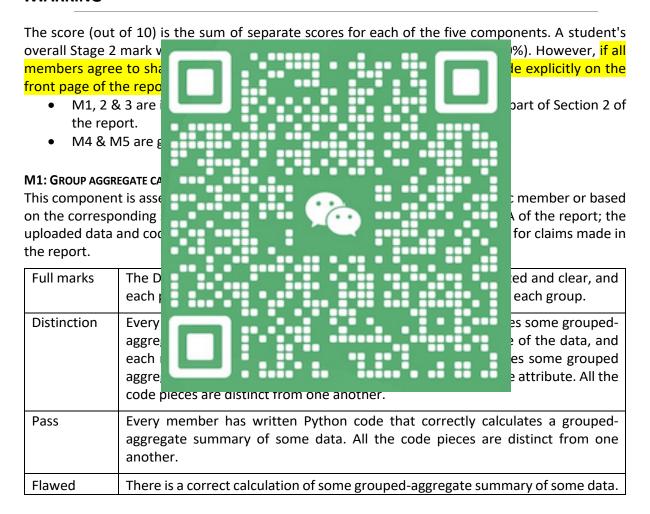




- any licence or other restrictions on use of the data,
- description of all the changes you did between the original datasets and the final dataset; and
- the meaning of each attribute, what format or units are used, etc.

Compress the top folder (with all these subfolders and their contents), then submit the single compressed file.

# **M**ARKING



### M2: CHART PRODUCTION [2 POINTS]

This component is assessed either based on the section prepared by the specific member or the corresponding subsections of all the separate member sections in Part A of the report, as well as in the final 4-aspect chart section if that is present; the uploaded data and code may be checked by the marker as supporting evidence for claims made in the report.



Full marks The Distinction criteria holds, and also there is at least one chart which				
	connections that involve at least four aspects or attributes of	of the data that are		
	relevant to the question, and where there is a reasonable expectation			
	relationship where all four attributes interact together [not just that each pair ar			
	related, but that the way in which any two relate, is impacted by the values of the			
	other two!]. This chart must be compelling in communicating the information to			
	the reader (e.g. it draws the reader to easily gain a deep awareness			
patterns, especially how the relationship of some are impacted by				
Distinction Each member produces at least two charts that accurately of				
relationship between aspects or attributes from their data that are r				
	the topic. For each member, at least one chart must show in	formation about at		
	one of the aspects			
	showi	east one attribute		
	(possi	arts in the report		
	must	such as distortion		
	or mis	<u>.                                      </u>		
Pass	Each r	tionship between		
	at lea	vant to the topic.		
	[The part of the p	hether there is a		
	trend	he values of other		
	attrib	of values of one		
	attrib	ned by the values		
	of oth	distinct from one		
	anoth	eading or missing		
	crucia			
Flawed	Some			
	:, : : : : : : : : : : : : : : :			
M3: Chart evaluation [2				
This component is asset the same and the same are the sam				
on the corresponding				
uploaded data and cod for claims made				
the report.		<del>_</del>		

Full marks	The Distinction criteria hold, and, for each chart, there are good reflections on how well (or not) the chart design would work if much more data is obtained.	
Distinction	Every member has written an evaluation for each chart in their section, which correctly documents the encoding between data attributes and visual attributes, and documents other decisions (such as style of chart, scale etc.), and it sensibly justifies the decisions in view of the effectiveness of communication. All the charts in the report must be distinct from one another.	
Pass	Every member has written an evaluation for each chart in their section, we correctly documents the encoding between data attributes and visual attributed. All the charts in the report must be distinct from one another.	



Flawed Some reasonable attempts to evaluate the effectiveness of some of the charts.

## M4: CONCLUSION - CONTENT [2 POINTS]

This component is assessed based on Part B of the report. Material in Part A, or the submitted data and code, may be checked by the marker as supporting evidence for claims made in the report.

Full marks	The Conclusion section has all the Distinction criteria, and discusses honestly		
	ut the results.		
Distinction	rmation which provides		
	insight into important issues in the topic, supported I	by at least four relevant	
	tables and at least four relevant charts; the tables a	and charts must include	
	in their sections of the		
	report		
Pass	The C	about the topic,	
	suppc	vant charts which	
	were		
Flawed	The C	and at least one	
	releva	·:_	
		***	
Conclusion – Co	DMMUNIC.	***	
This compone	nt is ass		
·	:":".''	,• <u>••</u> •	
Full marks	The C	draws the reader	
	in and	· <b>'.</b>	
Distinction	The (	udience to gain	
	under	ground and aims.	
	The s	example, tables,	
	charts	it what has been	
	learne		
Pass	The C	some knowledge	
	of the		
Flawed	A reas		

# **GROUP PROCESS**

During the project, you need to manage the work among the group members. We insist that every person do each activity and describe what they did and found in the appropriate section of the report and in the appropriate subfolder of the compressed folder that gets submitted. We intend for the members to compare regularly and learn from one another (as well as from tutor feedback during lab sessions). Because any member's poor work will reduce everyone's score, make sure to quickly report any difficulty in working together to the unit coordinator as described above.



## **DISPUTE RESOLUTION**

If, during the course of the assignment work, there is a dispute among group members that you can't resolve, or that will impact your group's capacity to complete the task well, you need to inform the unit coordinator, <a href="mailto:josiah.poon@sydney.edu.au">josiah.poon@sydney.edu.au</a> Make sure that your email names the group, and is explicit about the difficulty; also make sure this email is copied to all the members of the group (including anyone you are complaining about). We need to know about problems in time to help fix them, so set early deadlines for group members, and deal with non-performance promptly (don't wait till a few days before the work is due, to complain that someone is not delivering on their tasks). If necessary, the coordinator will split a group, and leave anyone who didn't participate effectively, in a group by themselves (they will need to achieve all the outcomes on their own). This option is only available up until Friday of week 8, which is the last day with time to resolve the issue before the due date. For any group issues that arise after this time, you will need to try to resolve the problem on your own, and you will continue to be treated as a single group which all get the same mark for this

