Assignment Project Exam Help
https://powcoder.com
Add WeChat powcoder

- 1 Project2 | Reproducible Research on given large dataset
- 2 Dataset
- 3 Tips for your interrogation
- 4 Marking Criteria 20%
  - 4.1 Step1 Main Presentation 15%
  - 4.2 Step2 Interrogation 5%

#### Code



- Show All Code
- Hide All Code

# MATHASSISPROJECT Exam Help

Semester 2 2018

https://powcoder.com

## Aim Add WeChat powcoder

- The aim of the 2 Projects is to give you an authentic experience of producing reproducible statistical reports using real data.
- They are purposely open-ended to expose you to the joys and challenges of problem solving with data.
- The set of 2 Projects is cumulative, allowing you to develop and consolidate 5 vital graduate qualities: statistical thinking, computational skills, curiosity, communication and collaboration.

# 1 Project2 | Reproducible Research on given large dataset

You have been given a large dataset from a reputable source.

#### **Main Presentation**

1. Present an interesting and informative statistical report on the data, of no more than 8 minutes,

showcasing everything you have learnt in MATH1115.

• *Submission: Submit a .html, produced in .Rmd.* 

#### **Interrogation**

- 2. Submit an interrogation of one research question from another group's report.
- Submission: Submit a .html, produced in .Rmd.

#### **Class Discussion**

3. Discuss a media or research article relevant to the research question from the other group's report.

**Note:** You can chose to complete this project in a team of 2-4 students OR individually.

### 2 Dataset

The following as S Lorrad Troth Symet Ds to Grad Abayers and Handing DAP), with ethics permission and approval by the DVC (Education) Prof. Pip Pattison.

The data sets show another student grades for 14 junior Maths units sliced across a number of different attributes, which have been detailed in the accompanying data dictionary.

A standard and advanced data set has been produced: both are exactly the same except the standard set has aggregated counts and the advanced has a gate "produced" for relations between units to be obtained.

#### **Data links**

- Standard
- Advanced
- <u>Data Dictionary</u>

### 3 Tips for your interrogation

This interrogation will be a little different to what you did in Project1, as you are all using the same dataset. Please read the tips below carefully.

- During the presentations, pick one group/individual and note down 1 of their research questions which is different from yours.
- Redo this research question in your own way. Have you answered this same research question in the same way or an alternate way? Do you agree with the other group's conclusions? Why/why not?
- Write and submit your report.
- Select one interesting article (research or media) to discuss during the Project2 Live Interrogation

Speaking

# 4 Marking Criteria 20%

### 4.1 Step1 - Main Presentation 15%

4.1 Step1 - Main 1 resentation 13 /0				
Quality	Level1	Level2	Level3	
Dataset				
Classification	Some variables	Most variables	All variables	
Source	Identified	Explained	Assessed	
Stakeholder(s)*	Identified	Explained	Assessed	
Domain knowledge	Basic	Moderate	Excellent	
Exploring Dassignment Project Exam Help				
Number of Research Questions	1	2	3+	
Use of ggplot	powco	Moderate	<b>III</b> Excellent	
Conclusions Add W	<b>Vee</b> hat	<b>POWC</b>	Elent .	
Modelling Data				
Number of Research Questions	1	2	3+	
Use of Linear Model	Basic	Moderate	Excellent	
Decisions about Data				
Number of Research Questions	1	2	3+	
Use of Chi-squared Test	Basic	Moderate	Excellent	
Use of Regression Test	Basic	Moderate	Excellent	
Communication: Submitted Report				
Use of language	Not all clear	Mostly clear	Completely clear	
Communication: Presentation **				

Not clear

Mostly clear All clear

Eye contact	Basic	Moderate	Excellent
Timing	Rushed	Moderate	Well-rehearsed
Focused on Executive Summary	-	-	Yes
Response to Live Interrogation	Basic	Moderate	Excellent
Motivation	Basic	Moderate	Excellent
Interesting	Basic	Moderate	Excellent
Total			60

Level1

Level2

Level3

#### Notes:

- \*You may choose different stakeholders for different research questions, as appropriate.
- \*\*You do not need to present your full report live. Pick your most interesting discoveries to present us sound interesting discoveries to

# 4.2 Step2 - Interrogation Wcoder.com

Quality Level1 Level2 Level3

# Other group's Add WeChat powcoder report

Reproduce 1 research question (different to your own)

Basic Moderate Excellent

Quality

Assess conclusion of other group Basic Moderate Excellent

Find a related journal article Basic Moderate Excellent

Find a related media article Basic Moderate Excellent

#### Communication: Submitted Report

Use of language Not all Mostly Completely clear clear clear

Quality Level1 Level2 Level3

Communication: Class Discussion

Summarises an insight from a related journal or media article

Basic Moderate Excellent

Total 18

© University of Sydney

Assignment Project Exam Help

https://powcoder.com

Add WeChat powcoder