

# COMM1822

Term 2 2022

## Introduction to Databases for Business Analytics

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

Week 8

## Data Manipulation Language Big Data

Lecturer-in-Charge: Kam-Fung (Henry) Cheung

Email: [kf.cheung@unsw.edu.au](mailto:kf.cheung@unsw.edu.au)

Tutors: Theresa Tran

Liam Li Chen

Kathy Xu

PASS Leader: Srilekha Chandrashekara Kolaki



Assignment Project Exam Help

# Week 8 Welcome Video

<https://powcoder.com>

Add WeChat powcoder

# WARNING

This material has been reproduced and communicated to you by or on behalf of the University of New South Wales in accordance with section 113P(1) of the Copyright Act 1968 (Act). The material in this communication may be subject to copyright under the Act. Any further reproduction or communication of this material by you may be the subject of copyright protection under the Act.

Do not remove this notice

# Copyright

- There are some file-sharing websites that specialise in buying and selling academic work to and from university students.

## Assignment Project Exam Help

- If you upload your original work to these websites, and if another student downloads and presents it as their own either wholly or partially, <https://powcoder.com> **you might be found guilty of collusion — even years after graduation.**

## Add WeChat powcoder

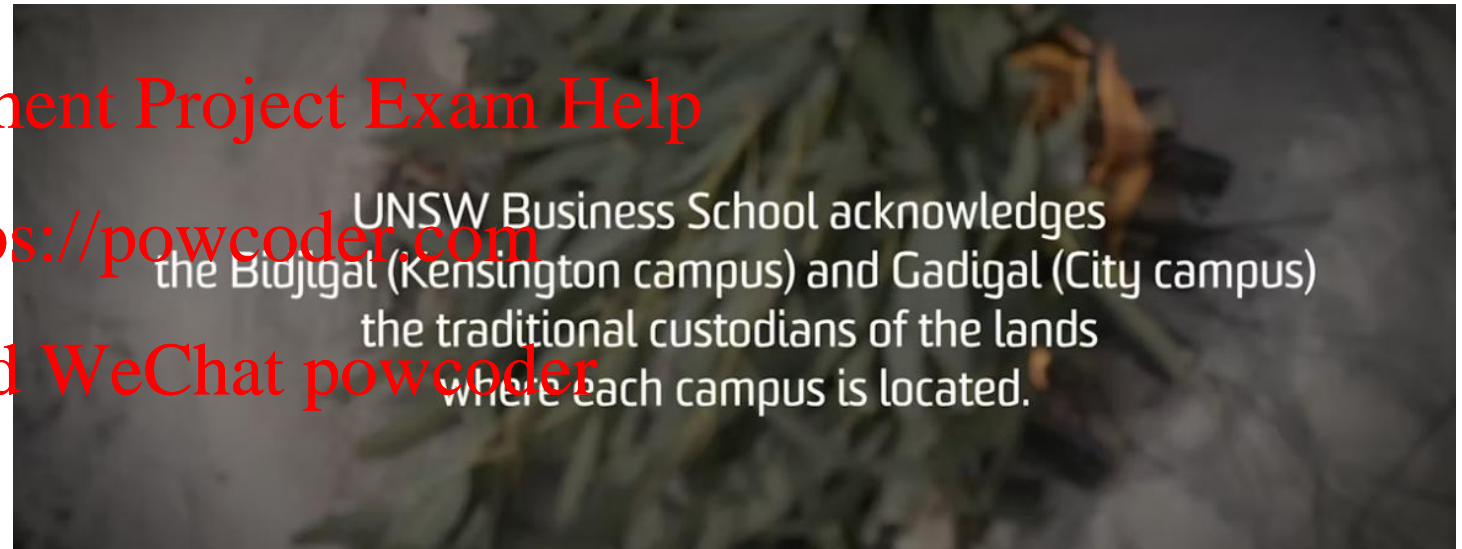
- These file-sharing websites may also accept purchase of course materials, **such as copies of lecture slides and tutorial handouts. By law, the copyright on course materials, developed by UNSW staff in the course of their employment, belongs to UNSW. It constitutes copyright infringement, if not academic misconduct, to trade these materials.**

# Acknowledgement of Country

UNSW Business School acknowledges the Bidjigal (Kensington campus) and Gadigal (City campus) the traditional custodians of the lands where each campus is located.

We acknowledge all Aboriginal and Torres Strait Islander Elders, past and present and their communities who have shared and practiced their teachings over thousands of years including business practices.

We recognise Aboriginal and Torres Strait Islander people's ongoing leadership and contributions, including to business, education and industry.



UNSW Business School. (2022, May 7). *Acknowledgement of Country* [online video]. Retrieved from <https://vimeo.com/369229957/d995d8087f>

# Agenda

- ❑ **Housekeeping**

- ❑ Discussion of Data Manipulation Language

- ❑ Week 8 Sandbox Activity

- ❑ Big Data

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# Academic Integrity

- Information on the dangers of contract cheating can be found here: [Contract cheating | Equity Diversity & Inclusion - UNSW Sydney](#)
- Apart from internal services to support students, the only external service officially sanctioned by UNSW is [Smarthinking](#).
- In addition to advising you and students of the dangers posed by contract cheating companies, UNSW legal will be taking necessary steps, and UNSW will also assess whether a referral to TEQSA is appropriate.
- If you would like any advice or assistance with these conversations, please contact the Conduct and Integrity Office, [studentconduct@unsw.edu.au](mailto:studentconduct@unsw.edu.au)

# COMM1822 Consultation

What	Who	When	How
Consultation with the LiC	Kam-Fung (Henry) Cheung	Tuesday 10.00 - 11.00 am (AEST)	Send an email to book a time: <a href="mailto:kf.cheung@unsw.edu.au">kf.cheung@unsw.edu.au</a>

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder



# COMM1822 PASS Class

What	Who	When	How
PASS Class	Srilekha Kolaki	Friday 10:00 – 11:00 am (AEST)	Online via <a href="https://au.bbcollab.com/guest/734c929b0ddf42d2868fc2304b801d82">https://au.bbcollab.com/guest/734c929b0ddf42d2868fc2304b801d82</a> Email: <a href="mailto:s.kolaki@student.unsw.edu.au">s.kolaki@student.unsw.edu.au</a>

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# Assignment Help

- ❑ Contact your tutor today if there exist unequal contribution issues within a group.

Assignment Project Exam Help

- ❑ Groups: Check the <https://powcoder.com> Marking Rubric on Moodle.

Add WeChat powcoder

# Assignment – Database Implementation

- ❑ Populate the database with at least ten sample records in each table
- ❑ Ensure your sample data can return the queries as specified in the assignment
- ❑ Do not change your group SQL account login password
- ❑ Disregard the existing DB in the Group account.
- ❑ If more than one person works on a table and makes changes, this might create errors in the DB and the account. Please collaborate within the group who will be what and when!

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# Agenda

- ❑ Housekeeping
- ❑ **Discussion of Data Manipulation Language**  
[Assignment Project Exam Help](https://powcoder.com)  
<https://powcoder.com>
- ❑ Week 8 Sandbox Activity
- ❑ Big Data  
[Add WeChat powcoder](#)

# Week 8 Lab Manual Discussion

- ❑ What is Data Manipulation Language, and what is Data Definition Language (DDL)?

Assignment Project Exam Help

- ❑ When would we use DML versus DDL? Consider some examples.

<https://powcoder.com>  
Add WeChat powcoder

- ❑ What are some examples of DML statements, and what do they do?

# Agenda

- ❑ Housekeeping
- ❑ Discussion of Data Manipulation Language
- ❑ **Week 8 Sandbox Activity**
- ❑ Big Data

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# Week 8 Sandbox Activity

1. The restaurant's drinks supplier has recently increased the cost price of Peach and Yoghurt Soju to \$15 and \$17 respectively. Modify the database to reflect these price changes.
2. A new chef has recently been hired by the restaurant. Add a new row in the CHEF table with the following data: Staff\_id = C0007, Name = Boba Fett, Gender = M, Salary = 40000, and Phone\_number = 425333649.
3. Minimum rates for chefs have increased. Update the salaries for all Chefs to be a minimum (i.e. do not update downward) of \$62,000.
4. Create a new table of chef assistants with:
  - A variable string staff\_id (the Primary Key)
  - A number containing hourly\_rate
  - A foreign key chef\_id referencing the Chef they assist.
  - A hire\_date field that automatically populates with the current date when a new entry is inserted.
5. Undo all your changes you have made to the database.

# Week 8 Sandbox Activity

1. *The restaurant's drinks supplier has recently increased the cost price of Peach and Yoghurt Soju to \$15 and \$17 respectively. Modify the database to reflect these price changes*

**Assignment Project Exam Help**

<https://powcoder.com>

**Add WeChat powcoder**



# Week 8 Sandbox Activity

2. A new chef has recently been hired by the restaurant. Add a new row in the CHEF table with the following data: Staff\_id = C0007, Name = Boba Fett, Gender = M, Salary = 40000, and Phone\_number = 425333649.

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# Week 8 Sandbox Activity

3. *Minimum rates for chefs have increased. Update the salaries for all Chefs to be a minimum (i.e. do not update downward) of \$62,000.*

**Assignment Project Exam Help**

<https://powcoder.com>

Add WeChat powcoder

# Week 8 Sandbox Activity

4. Create a new table of chef assistants with:

- A variable string `staff_id` (the Primary Key)
- A number containing `hourly_rate`
- A foreign key `chef_id` referencing the Chef they assist.
- A `hire_date` field that automatically populates with the current date when a new entry is inserted.

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# Week 8 Sandbox Activity

*5. Undo all your changes you have made to the database.*

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# Online Safety - Break

- Rest Breaks: <https://safety.unsw.edu.au/office-safety-toolkit/rest-breaks>
- WorkRave at UNSW:  
[https://safety.unsw.edu.au/sites/default/files/documents/UNSW\\_WorkRave\\_V1.0.pdf](https://safety.unsw.edu.au/sites/default/files/documents/UNSW_WorkRave_V1.0.pdf)
- Setting up you Workstation : <https://safety.unsw.edu.au/setting-your-workstation-video>
- Online Safety and Wellbeing Tutorial: <https://student.unsw.edu.au/safety>
- SafeWork 6 Simple stretches: <https://www.safework.nsw.gov.au/resource-library/six-simple-stretches>

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# Break

Assignment Project Exam Help  
Take a 5 minutes break  
<https://powcoder.com>

Add WeChat powcoder

# Agenda

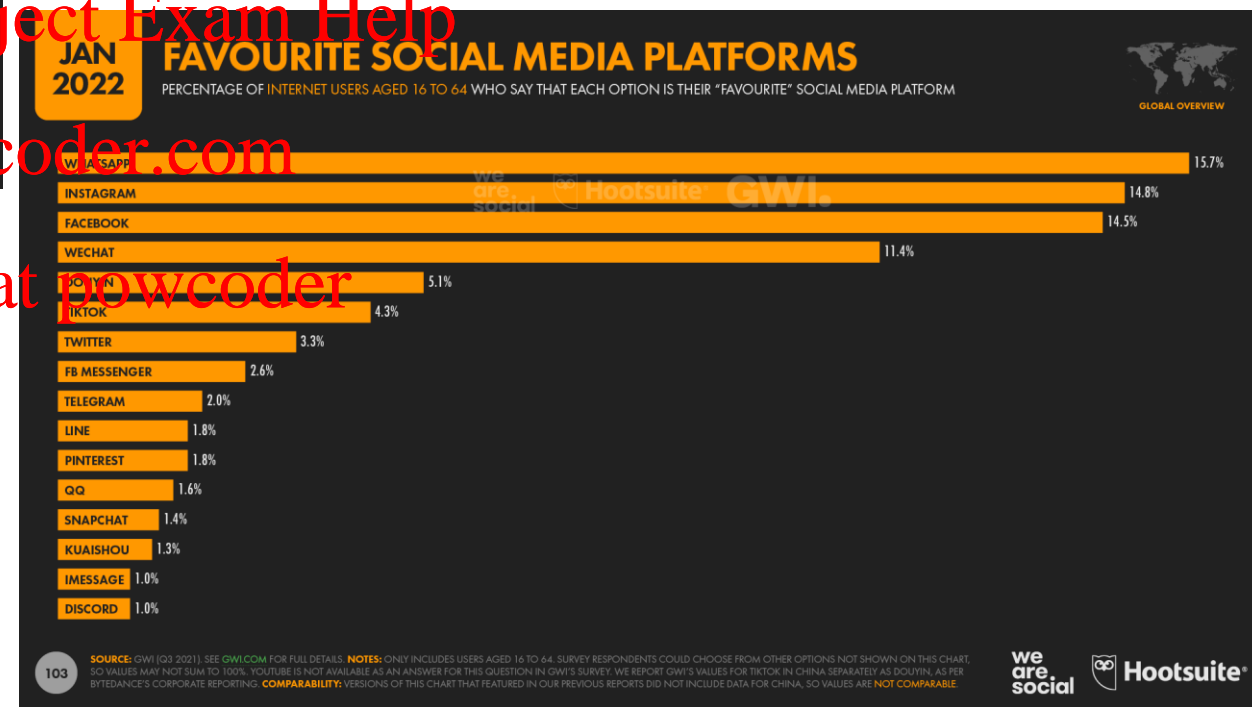
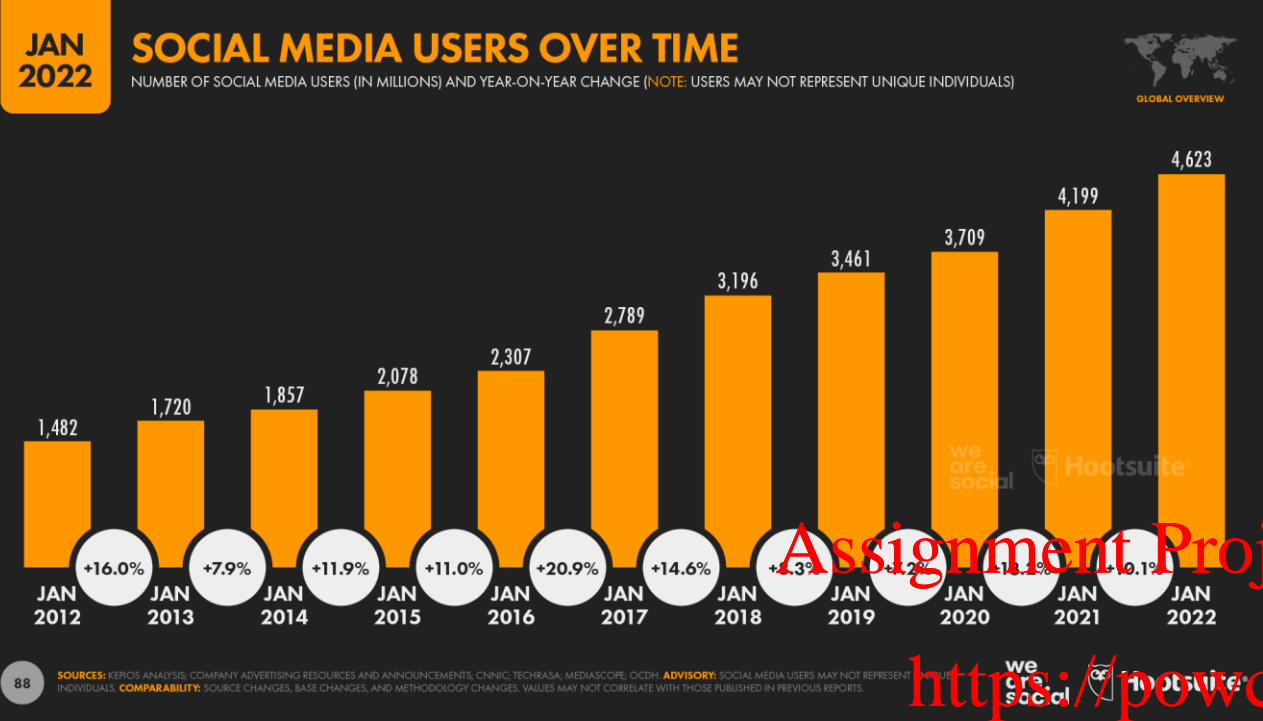
- ❑ Housekeeping
- ❑ Discussion of Data Manipulation Language  
<https://powcoder.com>  
Add WeChat powcoder
- ❑ Week 8 Sandbox Activity
- ❑ **Big Data**

# Big Data



1. What do you know about “Big Data”?
2. Give some examples on Big Data?
3. What are the 3Vs of Big Data?
4. How can data analytics help businesses execute their strategy more efficiently? And increase return on investment (ROI)?
5. **Research a company of your choice (could be social media) and propose a Big Data strategy? How they will use it, and how it will help their business (considering the 3Vs). (30 min in breakout rooms / groups)**
6. Present your work in groups (2 min per group)





Source: <https://blog.hootsuite.com/simon-kemp-social-media/>