

Monash University Malaysia
ETM5950 Data Analytics for Business

INDIVIDUAL ASSIGNMENT 1:

INFOGRAPHIC (25%) – Due Week 5 on 5 Sept, Sat 23:59PM

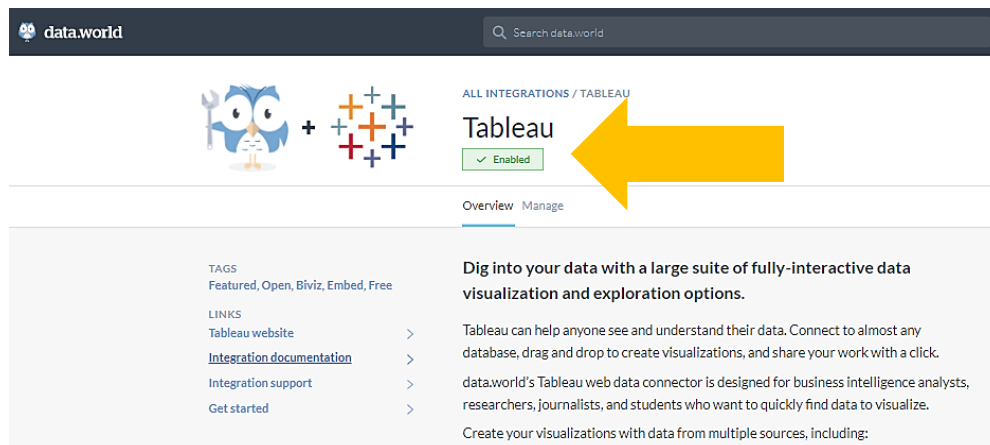
VIDEO PRESENTATION (8%) – Due Week 6 on 12 Sept, Sat 23:59PM

PEER ASSESSMENT (2%) – Due Week 7 on 19 Sept, Sat 23:59PM

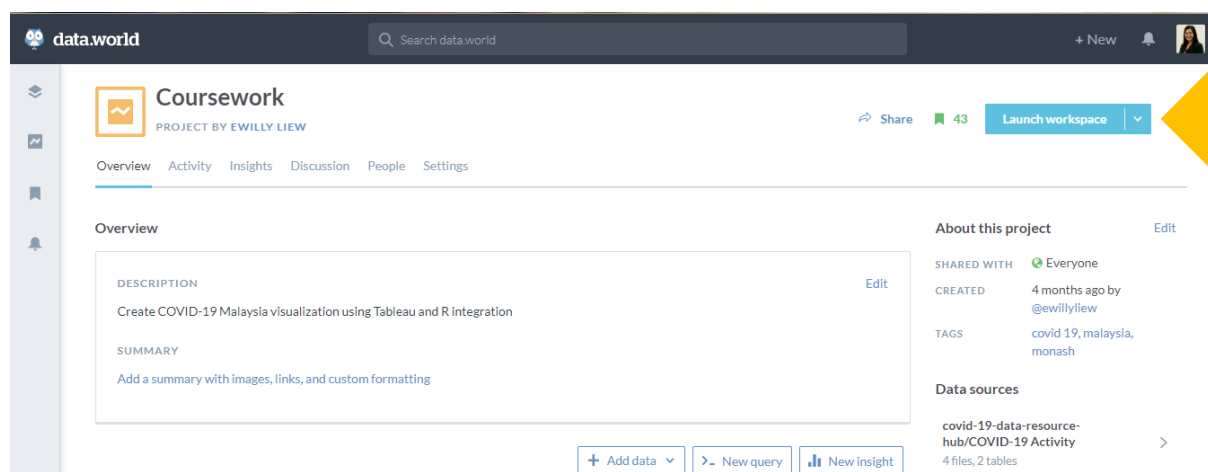
Weight: 35% of Total Assessment

INSTRUCTION ON DATA

1. Connect **Tableau** to **data.world** using the **web data connector**.
Make sure your Tableau Desktop is activated version and has the **latest updates**.
2. Check if your Tableau integration is “**Enabled**” here:
<https://data.world/integrations/data-dot-world-tableau>
3. For more information, read the integration documentation here:
<https://help.data.world/hc/en-us/articles/115010298907-Tableau-Web-Data-Connector>



4. Go to **Coursework** on data.world and select “**Launch workspace**”.
Click [HERE](#) to access the URL.



5. Your landing page on the **Coursework workspace** will look like this:

Click here to check on the data dictionary

ETW3483 Assignment

Project directory + Add

Jump to a file or query (Ctrl + K)

Home

Project summary

Data dictionary

PROJECT FILES

No project files...yet

CONNECTED DATASETS

Coronavirus (COVID-19) Case Counts (4) @covid-19-data-resource-hub - View dataset

Covid-19 Malaysia (1) @erhanazrai - View dataset

Malaysia - Economic, Social, Environmental, Health, Educa... (3) @hdx - View dataset

QUERIES

No queries...yet

INSIGHTS

No insights...yet

Data dictionary

ewillyliew/etw3483

Updated 4/3/2020

covid-19-data-resource-hub/covid-19-case-counts

Updated 4/3/2020

COVID-19 Cases.csv

<https://www.tableau.com/about/blog/2020/3/coronavirus-data-hub-faq>

COLUMN NAME	TYPE	DESCRIPTION
case_type	string	Confirmed Cases and total deaths
cases	Integer	Point in time snapshot of to-date totals (i.e., Mar 22 is inclusive of all prior dates)

6. You have **three datasets**. Only the Global and Malaysia COVID-19 datasets will be updated **daily**. Please use the **freshest data** in sync with your visualization, whether you choose direct download or using the web data connector.

Open in app

ETW3483 Assignment

Project directory + Add

Jump to a file or query (Ctrl + K)

Home

Project summary

Data dictionary

PROJECT FILES

No project files...yet

CONNECTED DATASETS

Coronavirus (COVID-19) Case Counts (4) @covid-19-data-resource-hub - View dataset

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Covid19-KKM.xlsx

Malaysia - Economic, Social, Environmental, Health, Educa... (3) @hdx - View dataset

QUERIES

No queries...yet

INSIGHTS

Data dictionary

Covid19-KKM.xlsx

Query Download Open in app

Open with Tableau

Add more integrations

Here you have three datasets:

1. Global COVID-19 data
2. Malaysia COVID-19 data
3. Other data about Malaysia

base	state	district	100cases	bed_pop	district2	news	q_stations	d_base	covid19_hospitals	j_huglobal	impdates	tabligh	death_c	
date	#	total_tested	#	pending	#	negative	#	positive	#	active	#	icu	#	icu_on_ventilators
1	2020-01-25		No data	No data	No data	No data	3	3	No data	No data	0	0	0	
2	2020-01-26		No data	No data	No data	No data	4	4	No data	No data	0	0	0	
3	2020-01-27		No data	No data	No data	No data	4	4	No data	No data	0	0	0	
4	2020-01-28		No data	No data	No data	No data	4	4	No data	No data	0	0	0	
5	2020-01-29		No data	No data	No data	No data	7	7	No data	No data	0	0	0	
6	2020-01-30		No data	No data	No data	No data	8	8	No data	No data	0	0	0	
7	2020-01-31		No data	No data	No data	No data	8	8	No data	No data	0	0	0	
8	2020-02-01		No data	No data	No data	No data	8	8	No data	No data	0	0	0	
9	2020-02-02		No data	No data	No data	No data	8	8	No data	No data	0	0	0	
10	2020-02-03		No data	No data	No data	No data	8	8	No data	No data	0	0	0	
11	2020-02-04		No data	No data	No data	No data	9	9	No data	No data	0	1	1	
12	2020-02-05		No data	No data	No data	No data	12	11	No data	No data	0	1	1	
13	2020-02-06		No data	No data	No data	No data	14	13	No data	No data	0	1	1	
14	2020-02-07		No data	No data	No data	No data	14	13	No data	No data	0	1	1	
15	2020-02-08		No data	No data	No data	No data	16	14	No data	No data	0	2	2	

7. Please copy the connector URL into Tableau, click **“open in app”** > **“Open with Tableau”**. You will see the popup message as below. Click **“Copy”**. Follow instructions. Done.

Get started with Tableau

The data.world Tableau Web Data Connector is designed for business intelligence analysts, researchers, journalists, and students who want to quickly find data to visualize. Tableau can automatically keep everything in sync to ensure your visualizations use the freshest data. [Learn more](#)

Install and open **Tableau** or **Tableau Public v10+**

Navigate to **Connect > To a Server > Web Data Connector**

Enter the connector URL:

https://tableau.data.world/?dataset_name=erhanazrai%2Fhttpsdk **Copy**

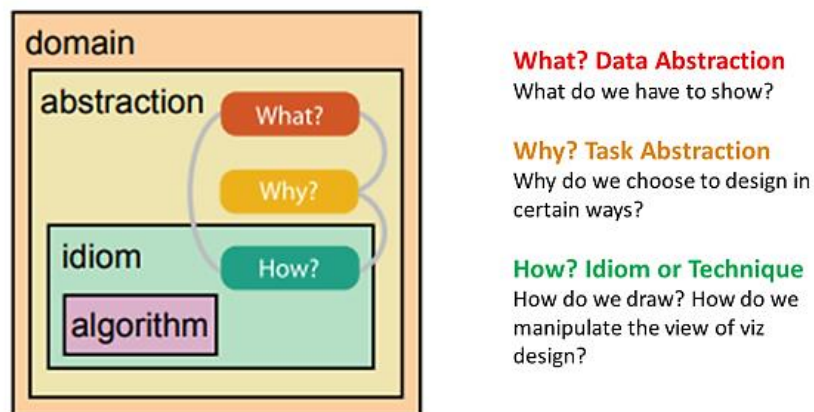
[Learn more](#) **Done**

INSTRUCTION ON TASKS

Create a 1-page **infographic story** about the COVID19 outbreak in Malaysia.

Unlike dashboard which typically has no accompanying text description, your infographic story board should contain the following:

1. A clear and concise **objective statement** summarizing the message you want to communicate. The *motivation* which inspires this story and the *insights* you could derive from this story.
2. **Multiple charts** (no limit) demonstrating the “how” to draw and manipulate the design. Taking care of the *grammar and perception* of visualization. Short description to accompany the charts where necessary.
3. Implicitly at the back of your mind, make use of *Munzner’s nested model* (see figure below) to guide your **thought process** through the what-why-how structure when deciding which viz design most suitable to the data and tasks at hand.



The **datasets** are real and comprehensive. The **Malaysian dataset** is updated by a volunteer. Read Kim's [interview on The Stars](#) dated 27 Mar 2020 here. Besides, the **global dataset** as well as **other datasets** about Malaysia are also provided. You cannot possibly include all the data on 1 page, please carefully think about what are the right things to show on your story.

This assignment tests the quality of your work based on what you've learned from week 1 to week 4. Specifically, the unit learning objectives 1 and 2 concerning your ability in handling data, visualization, and communication in the intended meaning and context. While querying data using SQL is not necessary, it would be a **plus point** in pulling relevant data for your visualization. (See the "Introduction to SQL" short course on Datacamp).

The assessment criteria (grading rubrics) can be found in the assignment submission link.

INSTRUCTION ON TURNITIN (UNGRADED)

This step serves as a “**turnitin**” function in an otherwise written assignment. You will share your infographics image and story text to [Moodle A1: Forum](#). The public scrutiny should mitigate the risk of plagiarism. **Add a new discussion topic** to start sharing.

ETM5950 - Data analytics for business - S2 2020

[Dashboard](#) / [Units](#) / [Faculty of Business and Economics](#) / [Malaysia](#) / [ETM5950 - S2 2020](#) / [Assessment Tasks](#) / [A1: Infographic Showcase in Class \(Ungraded "Turnitin"\)](#)

A1: Infographic Showcase in Class (Ungraded "Turnitin")

Showcase your work to the class (serve as an internal "Turnitin"):

- **Upload** your 5-min recorded video (via the "Panopto" icon)
- **Insert** your 1-page infographic.PDF file (as an image)

Rate and reply to your peer's work based on "stars" ☆— (0%), ☆☆— (0.5%), ☆☆☆— (1%), ☆☆☆☆— (1.5%), ☆☆☆☆☆ (2%). Due by Week 6 on 12 Sept Saturday, 23:59PM. Review as many peers as you wish but the ratings are ungraded.

[Add a new discussion topic](#)

(There are no discussion topics yet in this forum)



INSTRUCTION ON SUBMISSION**1. Export as image**

Create individual charts on Tableau >

Export as .jpeg image file >

Build a 1-page infographic page using any publishing tool you preferred (e.g. powerpoint, adobe, venngage, piktochart, or the like) for best visual effect. Of course, you may use Tableau dashboard as well. The choice is yours.

2. Label your submission files in the right naming convention and file format as follows:

- Name (Student ID) Story Title.**PDF** (1-page **HIGH-RESOLUTION**)
- Name (Student ID) Story Title.**TWBX** (Tableau workbook and data included)

3. Do not zip your submission files.**4. Edit submission:** you may make changes on the submission files **at any time before** the due date, whether the submission status is “draft (not submitted)” or “submitted for grading”.

- You must **accept the student statement** (see figure next page) and **save changes**.

5. Late submission: a penalty of **10% per day** applies for each day of late submission or edited submission that is past due.

- Do not make changes once the assignment is past due. Penalty applies strictly based on the **last modified (submission) date and time**.
- Unless you have arranged for an extension **24 hours before the deadline**.

Intentional plagiarism or collusion amounts to cheating under Part 7 of the Monash University (Council) Regulations

Plagiarism: Plagiarism means taking and using another person's ideas or manner of expressing them and passing them off as one's own. For example, by failing to give appropriate acknowledgement. The material used can be from any source (staff, students or the internet, published and unpublished works).

Collusion: Collusion means unauthorised collaboration with another person on assessable written, oral or practical work and includes paying another person to complete all or part of the work.

Where there are reasonable grounds for believing that intentional plagiarism or collusion has occurred, this will be reported to the Associate Dean (Education) or delegate, who may disallow the work concerned by prohibiting assessment or refer the matter to the Faculty Discipline Panel for a hearing.

Student Statement:

- I have read the university's Student Academic Integrity [Policy](#) and [Procedures](#).
- I understand the consequences of engaging in plagiarism and collusion as described in Part 7 of the Monash University (Council) [Regulations](#) (academic misconduct).
- I have taken proper care to safeguard this work and made all reasonable efforts to ensure it could not be copied.
- No part of this assignment has been previously submitted as part of another unit/course.
- I acknowledge and agree that the assessor of this assignment may for the purposes of assessment, reproduce the assignment and:
 - i. provide to another member of faculty and any external marker; and/or
 - ii. submit it to a text matching/originality checking software; and/or
 - iii. submit it to a text matching/originality checking software which may then retain a copy of the assignment on its database for the purpose of future plagiarism checking.
- I certify that in preparing this assignment I have not plagiarised the work of others, participated in unauthorised collaboration or otherwise breached the academic integrity requirements in the Student Academic Integrity [Policy](#)

Check the tick box below to accept the Student Statement and proceed with submission. If you do not agree to the Student Statement, please submit directly to your lecturer/tutor by the due date, providing a written explanation of which aspect of the Student Statement you do not agree with and why.

Privacy Statement

For information about how the University deals with your personal information go to <http://privacy.monash.edu.au/guidelines/collection-personal-information.html#enrol>

☐ I accept the Student Statement.






INSTRUCTION ON VIDEO PRESENTATION + PEER ASSESSMENT

Record a 5-min video about your infographic story. Below is a simple 5-step guideline to help you.

1. *Introduce* yourself.
2. Explain the *motivation* which inspires you to create this infographic story.
3. Walk us through your thought process of *what-why-how*.
4. Tell a compelling *story* based on your infographic.
5. Finish off with an *insightful conclusion* you derive from this infographic story.

Submit your recorded video to the following link (under the assessment section on Moodle).

  [A1 Infographic Video Presentation + Peer Assessment \(10%\)](#) 

Peer review three (3) video submission randomly assigned to you via the same link.

How to upload your recorded video:

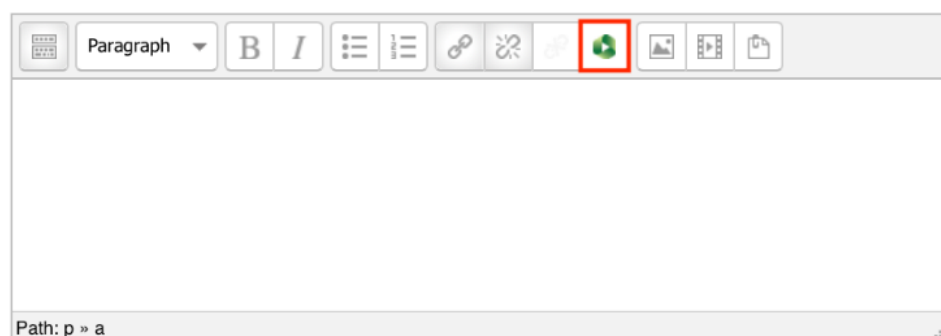
Read more on Monash Guide to [Panopto in Moodle](#).

1. Go to [Panopto Home Page](#) and login with your Monash credentials. You should see the home page with the following toolbar on top. Click **Create** or **download Panopto** to begin.



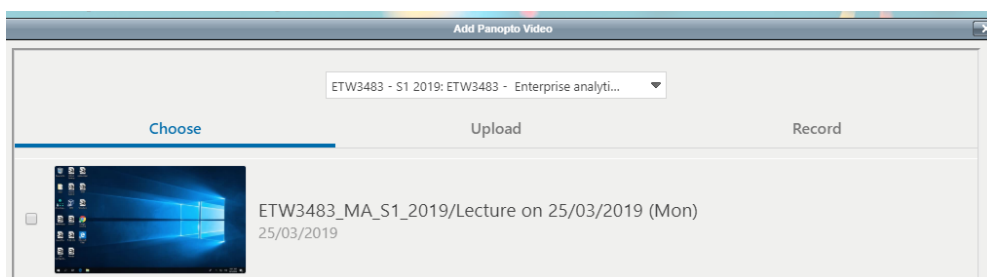
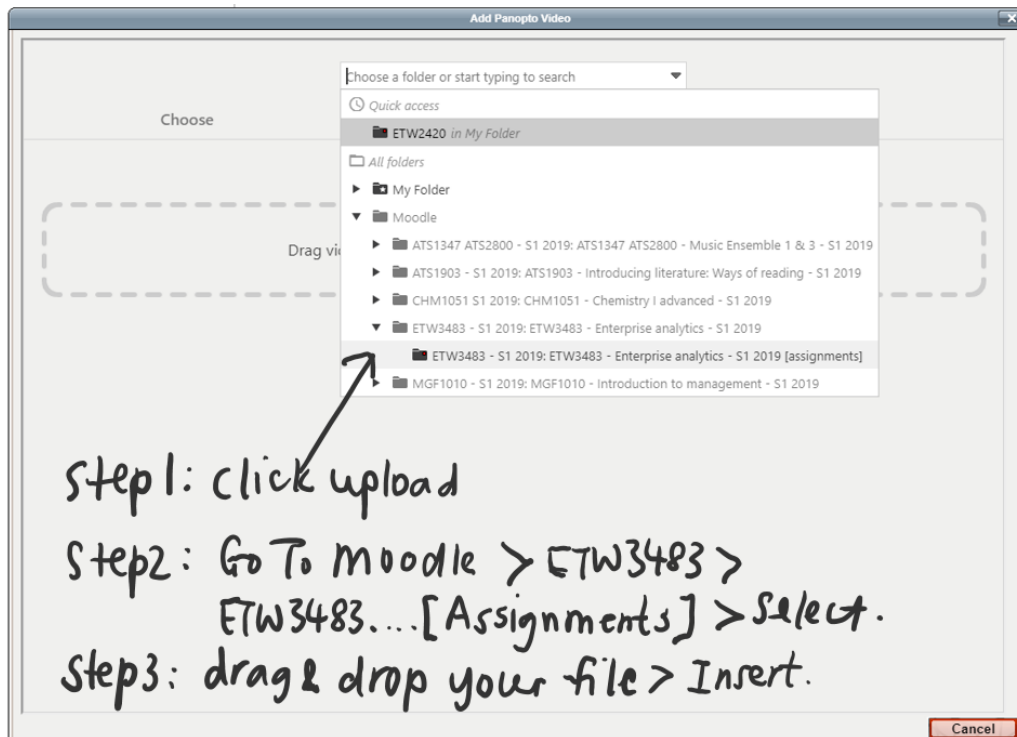
Read more on how to upload [Panopto Video Assignment Submission](#).

2. Go to peer review link > click on submission > use the online text box as follows > click **Panopto icon** on the top toolbar.



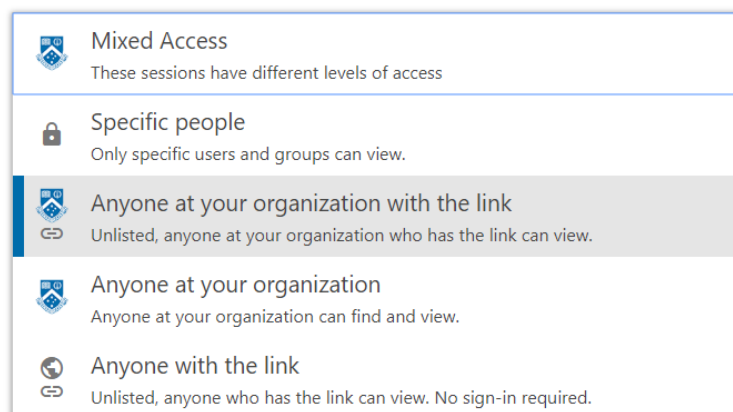
Read more on how to [recording, Inserting, and Uploading Video Content](#) to Moodle.

3. Follow a **3-step instruction** below to upload your recorded video.



4. Make sure you allow **anyone at Monash with the link** to view your video. **[Very important!]**

Who has access:



= Done. End of assignment question and instruction. =