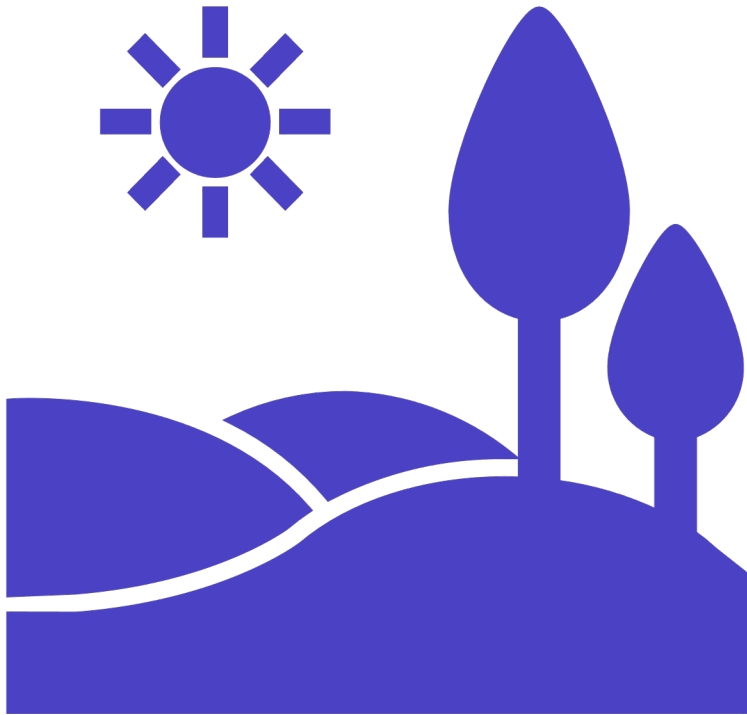


# **MIS710**

## **Machine Learning in Business: Using ChatGPT**



# Acknowledgement of Country



We acknowledge the Traditional Custodians of  
our lands and waterways.  
We pay respects to Elders past, present and  
emerging future

# Introduction

ChatGPT



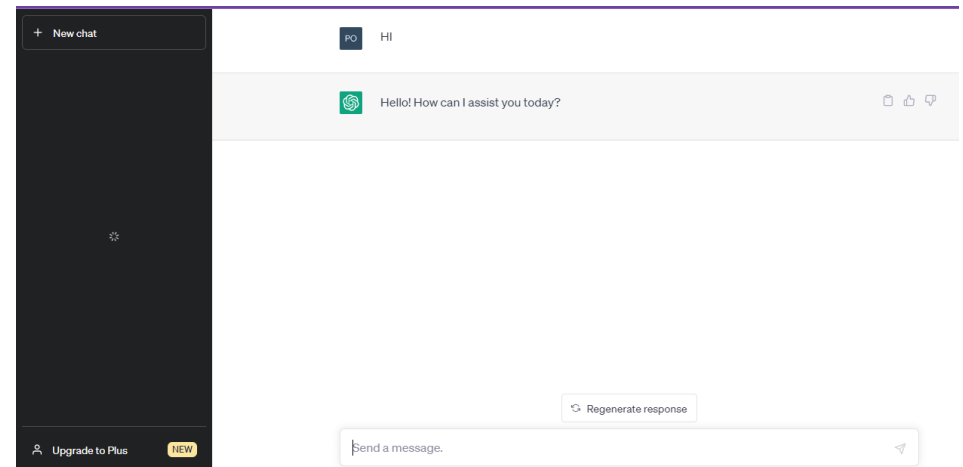
*Data Science*

# Overview

- **What is ChatGPT?**
  - An AI model developed to help us find, condense, summarize and gather information.
  - This can also be used as a tool to learn coding and solve problems related to coding (eg: debugging etc)
  - Data scientists use ChatGPT to understand lines of code inputs, outputs and errors.

# Access

- Step 1. Go to [chat.openai.com](https://chat.openai.com) to access the Chat GPT login page, and click on the “Sign up” button to get started
- Step 2. Fill out the registration form with your email address and password. Alternatively, you can sign up using your Google or Microsoft account
- Step 3. You must verify your email address before you can get started. Check your inbox for the verification email
- Step 4. Once you verify your account, provide the required details.
- Step 5. Next, enter a valid mobile number and input the code you will receive via text
- Step 6. Voila! You can now access ChatGPT!



# Examples (Type this into the textbox)

- Please generate a tutorial to understand python code for beginners. This means for people with no programming literacy
- What is a data exploration and how is it useful in data science?
- What are some popular Python libraries for data exploration and how are they used?
- Can you provide an example of a basic data exploration script using Python?
- What are some common techniques for exploring relationships between variables using Pandas and Matplotlib?
- How can you generate scatterplots and line charts to explore relationships between variables using Pandas and Matplotlib?

# Examples (Related to Week 1 Lab)

- Please explain this code to me like I am a student with no background in data science: `print('Hello world')`



Sure! Let's break down the code for you:



python

Copy code

```
print('Hello world')
```

## Explanation:

- `print`: This is a Python function used to display or print messages on the screen.
- `'Hello world'`: This is a string. In Python, strings are sequences of characters enclosed in single quotes ( `' '` ) or double quotes ( `" "` ). Strings represent text in the code.

When you run this code, the Python interpreter will execute the `print` function with the string `'Hello world'` as its argument. As a result, it will display the message "Hello world" on the screen.

In simple terms, this code is a basic Python program that prints the message "Hello world" when you run it. It's often one of the first programs people write when learning a new programming language because it helps verify that the environment is set up correctly and allows them to get started with coding.

# Examples (Related to Week 1 Lab) Cont...

- Please explain the bullet points more thoroughly



Of course! Let's go into more detail about each component of the code:




python

Copy code

```
print('Hello world')
```

## Explanation:

- **'print'**: In Python, **print** is a built-in function that allows you to display or output information to the screen. It is used to show messages, results, or any other data during the execution of a program. The **print** function is often one of the first things you learn when programming because it helps you see what your code is doing and is an essential tool for debugging and understanding program behavior.
- **'Hello world'**: This is a string, which is a data type in Python used to represent text or sequences of characters. In this case, the string is **'Hello world'**. Strings are created by enclosing characters inside either single quotes (') or double quotes ("). Both single and double quotes can be used to create strings, and there is no functional difference between them.

When you put the string **'Hello world'** as an argument inside the **print** function, Python takes that text and displays  **Regenerate response** how the exact message "Hello



# ChatGPT



## Examples

"Explain quantum computing in simple terms" →

"Got any creative ideas for a 10 year old's birthday?" →

"How do I make an HTTP request in Javascript?" →



## Capabilities

Remembers what user said earlier in the conversation

Allows user to provide follow-up corrections

Trained to decline inappropriate requests



## Limitations

May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Limited knowledge of world and events after 2021

Send a message

I



Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts. [ChatGPT May 24 Version](#)