GEG 101 Generative AI: Fact Checking

Overview

For this online activity, you will use ChatGPT to try to find ways to check for its accuracy. When students use generative AI to answer questions, get new explanations, outline their writing, and complete other tasks there is a chance the information provided by the tool will be inaccurate. Factual errors in responses are sometimes referred to as "hallucinations," but in truth all responses from generative AI are hallucinations. We just ignore this fact when tools get their responses "right."

Objectives

Use ChatGPT to fact check.

Instructions

1. Use [ChatGPT (https://chat.openai.com/chat)](https://chat.openai.com/chat) on your phone or computer.
   You can use this version for 40 minutes without signing up.

2. ChatGPT sometimes provides information that is incorrect or inaccurate. I used ChatGPT to create this text on the four lifting mechanisms. For reference, see the four lifting mechanisms in module 9.

   > "The four main lifting mechanisms are:
   >
   > Hydraulic Lifting: This mechanism uses fluid pressure to lift heavy loads, typically through a system of pumps and cylinders, and is commonly found in equipment like forklifts and car jacks.
   >
   > Mechanical Lifting: It involves using physical components such as pulleys, levers, and gears to lift or move loads, relying on mechanical advantage to reduce the effort needed.
   >
   > Orographic Lifting: This occurs when air is lifted up a mountain, often resulting in clouds.
   >
   > Magnetic Lifting: This mechanism uses powerful magnets to attract and lift ferrous materials, often used in scrap yards or industrial settings to move metal objects."

3. It is now your job to fact check the material by:

   a. identifying one factual claim made in the text,

   b. refuting a claim in the above text using trustworthy sources, including the PDF lecture slides. This means that what ChatGPT came up with is incorrect.

4. In a Word document, include your answer to 3A and 3B, and submit.

Submission Details

Submit your answer sheet into Brightspace.

AI Activity Fact Checking Rubric:

- Identify one factual claim = 2 pts

- Refuting a claim in the text and cite your source to explain why it is wrong = 3 pts