Frenemies - Unleashing the Power of ChatGPT in Assessments

ASCILITE 2023
Christchurch, NZ

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Crux:
Collaborative Learning vs Individual Assessment
ChatGPT ate (all) my assessments 😞😞

vs

InViGiLaTe to End all CheaTinG!
AI Text Detection Doesn’t Work

Humans can not detect GenAI usage

Neither can ‘bots
Assessment Design

1. Raise the Tide
2. Old School Collaboration
3. Free Range but Present Personally
4. Invert the Problem
5. Immersive Assessment
Level 1

Raise the Tide

Approach:
1. Centralise the issue,
2. contextualize within the curriculum,
3. encourage adoption

- Promote equity throughout an ethically diverse cohort
- Reduce busy work for both teachers and students
  eg. Essays
Assessment 1:
Collaboration with GenAI: Cloud Computing in Business

Author: Matthew Wysel
Date: 22nd July 2022
Submitted for: Management Information Systems – GDSx72
Taught by: Matthew Wysel
Words: 1300 total. Comprising 953 of my own words; 347 words produced in collaboration with ChatGPT.

Abstract
100-200 words covering why the report has been written (i.e., what question or problem is it addressing?); how the study was undertaken; what the main findings were; what the significance of the findings are.

Section 1: GenAI collaboration
Illustrates your ability to think critically about how to prompt a semantic AI engine to generate specific, desired information [Maximum 500 words].

GenAI Prompt
<this is the text you submitted to ChatGPT, Google Bard, etc.>

GenAI Reply
<this is a copy/paste of the text ChatGPT, Google Bard, etc... returned>

Section 2: Your critical extension of the GenAI’s input
Illustrates your ability to take a semi-informed opinion and extend it using your command of the relevant concepts. [Maximum 1000 words]
Introduction
<2-3 sentences max>

Context and Relevance of Cloud Computing

Benefits and Opportunities of Cloud Computing
<short-term benefits and longer-term, strategic opportunities>
Level 4

Invert the Problem

Must utilise GenAI as a tool

Back and forwards with GenAI

Quality of student’s interactions impact difficulty of assignment

Data Driven Business Strategies

Core Task

Use a Generative AI package (such as ChatGPT) and RapidMiner to prepare a Weekly Sales Report for a pet supplies store.

The name of your store is "[surname] R Us". Replace [surname] with your surname.

As this assignment involves significant preparatory work, your submitted assignment will need to be: 1. Organised, 2. Clearly labelled and 3. Well-presented.

Details

This assignment comprises four tasks:
1. Create the data using a GenAI package (to be submitted as .csv)
2. Mine the data using RapidMiner
3. Create copy (words) for the Sales Report using a GenAI package
4. Collate into a '1-page' Weekly Sales Report (to be submitted as .docx)

> Step 1. Create Data using GenAI

Use a GenAI package (such as ChatGPT) to create sample dummy data that resembles the following fields:
- Transaction ID, Store Location, Date, Time, Customer ID, Product ID, Product Name, Quantity, Price, Total

The data must cover 1 week (7 days) of operations and include: 500 transactions for each store. The data should be saved as a CSV and be submitted. A brief summary of data is attached.

> Step 2. Mine the Data using RapidMiner

Using RapidMiner mine the dataset you have just created to determine:
1. Comparative Sales (Revenue) for each store
2. Top Five Products for the store with the highest Sales
3. Bottom Five Products for the store with the highest Sales
Preliminary Outcomes for students

- Significant reduction in busy-work
- Quicker in first-drafts
- No more excuses for ‘too much’ work
- Building professional skills & work-readiness
Preliminary Outcomes

for teachers

Fewer ‘gimme’ questions

“What did ChatGPT tell you, and what did you think about that?” 🤔

‘First-draft’ Tutor

Fewer rubbish assignments

Restoring the quality of a Pass
Concluding Principles

Embrace it like a tool
Centralise critical analysis
Reclaiming collaboration
*When to use GenAI becomes an central skill*
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Extra Content 🙈
Ongoing Pilot

Undergraduate & postgraduate levels

Mixed quantitative/qualitative

Essays, Analysis, Visual, Oral, Q/A
What this is *not*

Hyper-specific anchors

Niche applications

Writing style or lots of references

Make it long enough...
Level 3

Free Range but Present Personally

Encourage maximum utilisation of Gen AI

Focus on personal accountability for the final output

Centralises personal accountability for the output from collaboration
Level 5

Immersive Assessment

Collaboration becomes an informed choice.

All choices must be informed by theory and experience.