

boodlebox

Collaborative AI for the College Classroom

We believe **Humans & AI** work **best together**

BoodleBox was built as a collabor



Why **Professors & Faculty** are **not using GenAI** in the classroom

- **Unfamiliarity** and lack of need
- The belief that AI use **stunts critical thinking and creativity**
- **Fear of over-reliance** on AI
- **Ambiguity around** assessments & **grading**
- Concerns about **effort and cost** of implementation

What Faculty **Needs**

Training and **Technology** that:

- Enables faculty and students to **responsibly collaborate with AI** to achieve learning outcomes;
- **Supports critical thinking and creativity** with AI;
- Enables **accurate assessment**;
- Is **easy to implement**; and
- Is **affordable**.

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Collaborative AI: Making AI a Catalyst for **Critical Thinking & Creativity**



Collaborative AI Framework

- Begin with the **right use cases**.
- **Select** the right **model/bot**.
- **Optimize** your **prompts**.
- **Incorporate** existing **knowledge**.
- **Collaborate** as a Human-AI team.
- **Evaluate the output** and use it responsibly.



Where **Faculty** and **Students** can:

- Prepare for Class
- Teach & Learn Responsible AI
- **Assess Assignments**



Efficient Class Preparation

The BoodleBox platform makes it easy for professors to prepare for class. Professors can quickly **rewrite existing lesson plans**, **adjust course syllabi**, and create new assignments that **incorporate GenAI**.



France Hoang

@gen-claude35-sonnet I like the idea of AI vs. Human Performance Comparison. Draft detail assignment instructions where students (1) draft their own resume without AI (2) provide the same basic information to an AI in BoodleBox and have it draft a resume then (3) write a 500 word reflective essay comparing their draft to the AI draft, noting strengths, limitations, bias, etc.

Certainly! I'll draft detailed assignment instructions for the AI vs. Human Performance Comparison exercise focused on resume creation, tailored to the MGT 345 course objectives. Here's a structured assignment that aligns with the course's emphasis on experiential learning and critical thinking:

MGT 345: AI vs. Human Performance Comparison - Resume Creation Exercise

Objective: This assignment aims to develop your understanding of AI capabilities in human resource management tasks, specifically resume creation. You will critically analyze the strengths, limitations, and potential biases of AI-generated content compared to human-created content, aligning with course objectives O1.3 (understanding organizations as interconnected systems) and O3.2 (identifying ethical dilemmas).

Instructions:

Part 1: Human-Created Resume (1 hour)

1. Without using any AI assistance, create your own professional resume.
2. Include relevant information about your education, skills, experiences, and achievements.
3. Format the resume according to professional standards.
4. Save this version as "LastName_HumanResume.pdf"



New
Ctrl + B



Chats



Boxes



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GenBot GPT 4o



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GenBot LLAMA 3



GenBot Gemini 1.5 Pro



WebBot Perplexity



ImageBot SD3



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AI for Everyone



@role-diyexpert

Write a tutorial on how to
create a DIY home garden



@web-perplexity



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Bot Garage



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Favorite Bots

Hidden Bots

teach



Create a class lesson plan

TeachBot Lesson Plan @write-lesson



Create a class syllabus

TeachBot Syllabus @write-syllabus



Chat with a Teaching Assistant

RoleBot Teaching Assistant @role-teachingassistant



Chat with a Music Teacher

RoleBot Music Teacher @role-musicteacher



Chat with a Talented and Gifted Teacher

RoleBot Talented and Gifted Teacher @role-talentedandgiftedteacher



w to
rden

@fitnessplanbot

Help me get in shape for the
summer.

@web-perplexity

Tell me about the invention of
bubble wrap

stories

@gen-claude3-sonnet

What does living a fulfilled life
mean?

@art-avalar

Create a colorful Taylor Swift
bot

Pro @gen-gemini-1.5-pro X

are no dumb questions...


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New Chat

New Chat



RECOMMENDED BOTS



GenBot Claude 3 Sonnet @gen-claude3-sonnet

Anthropic's advanced AI for analysis and answers.



GenBot GPT 3.5 @gen-chatgpt

Chat with a General Assistant | ChatGPT 3.5



RoleBot Teaching Assistant @role-teachingassistant

Chat with a Teaching Assistant



RoleBot Tutor @role-tutor

Chat with a Tutor



RoleBot Classroom Management Assistant @role-classroom...

Chat with a Classroom Management Assistant



TeachBot Syllabus @write-syllabus

Create a class syllabus



RoleBot Grading Assistant @role-gradingassistant

Chat with a Grading Assistant



RoleBot Learning Tutor @role-learningtutor

Chat with a Learning Tutor



RoleBot Academic Support Specialist @role-academicssupport...

Chat with an Academic Support Specialist



No Bot Selected Start typing for bot recommendations



I'd like the help of a teaching assistant



@web-perplexity

Tell me about the invention of
bubble wrap


@art-avatar

Create a colorful Taylor Swift
bot

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AI for Everyone

Attach Knowledge



Find Knowledge




MGT 345 Syllabus Fall 2022 v6_update 1.docx

1-1 of 1 < 1 > 10 / page

Attach

Cancel

 No Bot Selected Start typing for bot recommendations

I'd like the help of a teaching assistant



New
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ALL CHATS

Please revise the resume writing a...

Please revise the resume writing assignment in the provided syllabus to incorporate responsible collaboration with AI to support ...



1



France

@gen-claude35-sonnet Please revise the resume writing assignment in the provided syllabus to incorporate responsible collaboration with AI to support critical thinking and creativity.

Certainly! I'd be happy to revise the resume writing assignment in the syllabus to incorporate responsible collaboration with AI while supporting critical thinking and creativity. Here's a proposed revision:

Revised Resume Project Assignment

Objective: To create a professional resume while developing critical thinking skills and exploring responsible AI collaboration.

Steps:

1. Initial Draft:
 - Independently create a first draft of your resume, focusing on your experiences, skills, and achievements.
 - Reflect on how you want to present yourself professionally.
2. AI Collaboration:
 - Use an AI writing assistant (e.g., ChatGPT) to generate suggestions for improving your resume.
 - Prompt the AI with specific questions about formatting, phrasing, or content organization.
3. Critical Analysis:
 - Compare the AI suggestions with your original draft.
 - Critically evaluate which AI recommendations enhance your resume and which may not align with your personal brand or experiences.
4. Creative Integration:



GenBot Claude 3.5 Sonnet @gen-claude35-sonnet



Ask away. There are no dumb questions...



6. Reflection Paper:



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ALL CHATS

Please revise the resume writing a...

Please revise the resume writing assignment in the provided syllabus to incorporate responsible collaboration with AI to support ...



1



France

@gen-gpt4o Please generate a rubric for the above assignment. Answer in paragraph/bullet point format.

Certainly! Here's a rubric for the revised resume writing assignment, incorporating responsible AI collaboration to support critical thinking and creativity:

Resume Writing Assignment Rubric

Initial Draft (10 points)

- **Content (5 points):** Completeness and relevance of information included in the initial draft.
- **Organization (3 points):** Logical structure and clarity of the resume.
- **Presentation (2 points):** Professional appearance and adherence to standard resume formats.

AI Collaboration (20 points)

- **Engagement with AI (10 points):** Effective use of AI tools to generate suggestions and improvements.
- **Critical Evaluation (10 points):** Thoughtful analysis of AI suggestions, distinguishing between valuable and less useful recommendations.

Creative Integration (20 points)

- **Incorporation of AI Suggestions (10 points):** Skillful integration of AI-generated content while maintaining personal voice and authenticity.
- **Creativity (10 points):** Innovative presentation of information, demonstrating originality and effective use of AI insights.

Peer Review (10 points)

- **Feedback Quality (5 points):** Constructive and detailed feedback provided to a peer.
- **Incorporation of Feedback (5 points):** Thoughtful integration of peer feedback into the final resume.



GenBot GPT 4o @gen-gpt4o



Ask away. There are no dumb questions...



- **Writing Quality (5 points):** Clarity, coherence, and professionalism in the reflection paper.

Final Submission (20 points)



Responsible Student-AI Collaboration

BoodleBox provides students with **affordable access to top AI models**, including GPT-4o, Claude, Gemini, LLAMA, Perplexity, and more. Empower students to **select the right AI tools**, **use multiple AI tools** as part of a team, and responsibly **evaluate AI outputs**.



GenBot LLAMA 3
@gen-llama-3



GenBot Claude 3.5 Sonnet
@gen-claude35-sonnet



GenBot Gemini
@gen-gemini



GenBot GPT4o
@gen-gpt4o



GenBot Gemini 1.5 Pro
@gen-gemini-15-pro



GenBot ImageGen
@gen-imagegen



Sample **Assignment**

1. Read Plato's Allegory of the Cave.
2. You and your partner should then engage in a chat with the provided bot.
3. Save your chat to a folder in BoodleBox and share the folder link with your professor.


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Plato's Cave Reading Assignment ...

Reading Discussion Plato's Cave...

ALL CHATS



Example: Assessment Example

Reading Discussion Plato's Cave - ...

Reading Bot: Plato's Cave

Example: Revise Syllabus Using Ge...

Reading Discussion Plato's Cave - France + Meredith



France

@experimental-bot Meredith and I have completed the reading.

Great to hear that you and Meredith have completed the reading on Plato's Allegory of the Cave from "The Republic." Now, I have a question for you, Meredith. How do you think the concept of being freed from illusions and seeing the truth in the allegory relates to any personal experiences you've had in your life?



Experimental Bot

14 minutes ago



Meredith

@gen-claude35-sonnet there are often times when things work out in ways I could never have anticipated.

Thank you for sharing that insight, Meredith. Your experience of things working out in unexpected ways relates beautifully to the Allegory of the Cave. Just as the freed prisoner in Plato's allegory discovers a reality beyond what they initially perceived, you've had moments where life revealed possibilities or outcomes you couldn't have foreseen.



Experimental Bot @experimental-bot X

Ask away. There are no dumb questions...



when first exposed to the world outside the cave. Can you recall a time when you had to adjust your perspective or beliefs about something, and how did that process feel for you?



Accurate Academic Assessments

With Boodlebox, students can easily **cite and share their work** with AI. Professors can then use BoodleBox to **understand how students use AI** individually or as part of a group and then assess student work by **applying rubrics using AI**.



Robin

AI Report Card



Group Chat Contribution

189 Prompts | 43 Collabs



Individual AI Collaboration

126 Bots Used | 253 Total C



Usage Statistics

302 Sessions | 32,679 Words


New
Ctrl + B


Chats



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GenBot LLAMA 3



GenBot Gemini 1.5 Pro



WebBot Perplexity



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Plato's Cave Reading Assignment ...



Reading Discussion Plato's Cave...

ALL CHATS



Example: Assessment Example



Reading Discussion Plato's Cave - ...



Reading Bot: Plato's Cave



Example: Revise Syllabus Using Ge...

Plato's Cave Reading Assignment - France + Meredith



1

Total Chats

6

Total Prompts

1

Total Messages

2

Total Bots

MEMBERS (2)

CHATS

PROMPTS

MESSAGES

ASSISTANTS



France

1

4

1

1



Meredith

1

2

0

1

1-2 of 2 < 1 > 10 / page


New
Ctrl + B


Chats



Boxes



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GenBot LLAMA 3



GenBot Gemini 1.5 Pro



WebBot Perplexity



ImageBot SD3

FOLDERS



Plato's Cave Reading Assignment ...



Reading Discussion Plato's Cave...

ALL CHATS



Example: Assessment Example



Reading Discussion Plato's Cave - ...



Reading Bot: Plato's Cave



Example: Revise Syllabus Using Ge...

Example: Assessment Example



1



France

@gen-claude35-sonnet Using the chats in the provided knowledge, suggest 3 discussion topics related to Plato's Cave

Based on the conversation in the provided knowledge, I can suggest three discussion topics related to Plato's Cave that would be interesting to explore further:

1. Personal Transformations and the Cave Allegory: Discuss how significant life events, such as becoming a parent or experiencing combat, can be seen as metaphorical journeys out of Plato's Cave. How do these experiences change our perception of reality and truth? How can we relate the discomfort and adjustment period described in the allegory to our own transformative experiences?
2. Unexpected Revelations and Expanded Perspectives: Explore the concept of things working out in unanticipated ways as a form of "leaving the cave." How do surprises and unexpected outcomes in life challenge our preconceptions and expand our understanding of reality? How can we cultivate openness to new perspectives and truths we may not have considered before?
3. The Responsibility of the Enlightened: Examine the ethical implications of gaining new insights or knowledge, as represented by the freed prisoner's desire to return to the cave and share their discoveries. What responsibilities do we have when we gain new perspectives or understandings? How can we effectively communicate these insights to others who may not have had the same experiences, and how do we handle potential resistance or disbelief?

These topics would allow for a rich discussion that connects the philosophical concepts in Plato's Allegory of the Cave



GenBot Claude 3.5 Sonnet @gen-claude35-sonnet



Ask away. There are no dumb questions...





Other Applications

- Accurately assess student final products
- Accurately assess student-AI chats
- Accurately assess group projects that incorporate AI
- Accurately assess student final products vs. chat logs
- **Accurately assess the process of using AI vs. the product of using AI**



Robin

AI Report Card



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Usage Statistics

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Resources to Get Started

BoodleBox is here to help you through all the basics. Start in minutes with our **quick start videos**. Get step by step instructions for every task in our **Instructors Guide**. Explore the **Use Case Library** to be inspired with new ideas for student-AI collaboration.

← Instructor's Guide to Collaborative AI

Lesson 2 of 71

2.1 What is Collaborative AI?

Collaborative AI, also known as Collaborative Learning, is an approach to leveraging artificial intelligence to enhance learning between human intelligence and artificial intelligence. In the context of higher education, it represents a powerful tool for fostering creativity, and critical thinking.

Key aspects of Collaborative AI include:

1. **Human-AI Partnership:** At its core, Collaborative AI is about the partnership between humans (students and educators) and AI. It's not about replacing human intelligence, but rather augmenting it.
2. **Interactive Learning:** Students and faculty can learn in a new manner, using it as a tool for exploration, discovery, and problem-solving.
3. **Critical Thinking Enhancement:** By working with AI, students are encouraged to develop and apply critical thinking skills to evaluate AI-generated content, fact-check information, and refine their own outputs.

Lessons

✓ 1. Introduction

- ✓ 1.1 How to Use This Guide

✓ 2. Introduction to Collaborative AI Using BoodleBox

- ✓ 2.1 What is Collaborative AI?
- ✓ 2.2 Benefits of Collaborative AI in Education
- ✓ 2.3 What is BoodleBox for Higher Education?

✓ 3. Getting Started with BoodleBox

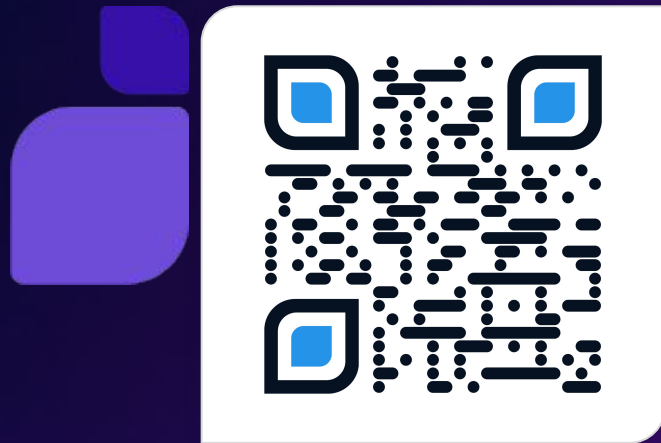
- ✓ 3.1 Creating an account
- ✓ 3.2 Get Started with BoodleBox
- ✓ 3.3 Overview of the Navigation
- ☐ 3.4 Setting up your profile

✓ 4. Using Collaborative AI to Prepare for Class

- ☐ 4.1 Using BoodleBox for course preparation
- ☐ 4.2 Creating comprehensive lesson plans
- ☐ 4.2.1 Revising an existing lesson plan
- ☐ 4.3 Developing course syllabi

✓ Con

Instructor's **Guide**





Resources to **Continue Learning**

BoodleBox helps you **stay up to date with AI**.
Join the **Collaborative AI Accelerator** to learn
best practices. Exchange ideas in the **BoodleU
Community**. Stay updated by subscribing to the
AI Collaborative Higher Education Newsletter.



Ready to **Try**?

Join this **GroupChat**



Questions?

Look under your chair!



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