

# PyGame with GenAI

## Diamonds Card Game

Breakout Room 4

WE C5

April, 2024

# ① Introduction

## ② Methods

## ③ Conclusions

## ④ References

# 1 Introduction

## 2 Methods

## 3 Conclusions

## 4 References

# Focused on

- Learning the Framework
- Installation / CoLab
- Acquiring Resources
- Underlying Code

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# What Worked

## Path 1:

- Same chat as older work
- Ask for step by step instructions to do the job
- Prompt step by step with descriptions

## Path 2:

- Gave it working main function
- Ask for a framework to build this game
- Function wise ask for code

# GPT-4 vs Gemini

- Too long + too many comments
- Too much

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- 78.6% wins against random player (5,00,000 games)
- Underlying code worked well
- Seeing what GenAI remembers in the same chat
- Same prompt in different chats
- Text completion vs image/calculation work
- Gemini with references and crosscheck

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- CoLab Link 1
- CoLab Link 2
- Gemini chat to learn PyGame
- Gemini chat- Teach it Diamonds and get a framework

# Thank You

Our "rectangle"

