

# Nemo Bot Introduction

June 22, 2020

## 1 NemoBot Introduction

## 2 Nemobot Dataset

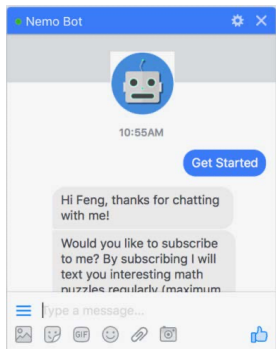
- NemoBot Quizzes MCQ Dataset
- NemoBot Quizzes Polls Dataset
- NemoBot Quizzes Game Dataset

## 3 NemoBot Student Project

## 4 Nemobot Tasks You can Help

# NemoBot Introduction

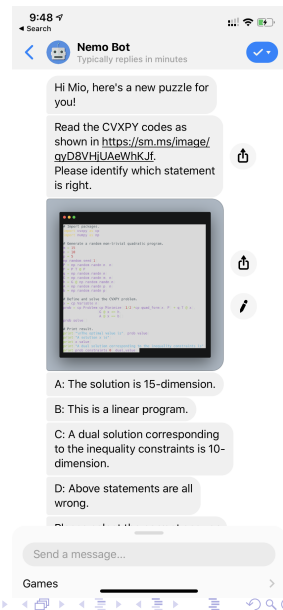
- Our friendly AI Chatbot:  
<https://www.facebook.com/Nemo-Bot-454163798317367>
- For polls and quizzes that are **multiple-choice questions**
- Nemobot teaches you **software knowledge, AI ideas and many more**



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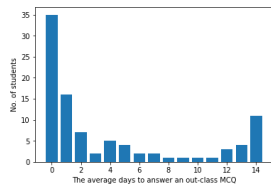
# NemoBot Quizzes MCQ Dataset

We used NemoBot to send MCQ quizzes in three different courses: CS3334: Data Structure, GE2340: Artificial Intelligence, and CS6491: Topics in Optimization and its Applications in Computer Science. A quiz example is shown on the right. You can download the dataset from Kaggle (<https://bit.ly/3d9xuFF>).

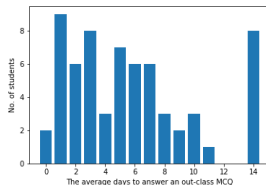


# NemoBot Quizzes MCQ Dataset

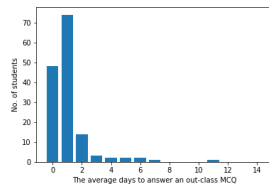
Here is an example. The x-axis represents the average days to answer an out-class MCQ, and the y-axis represents the number of students.



(a) cs3334



(b) cs6491

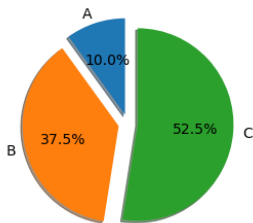


(c) ge2340

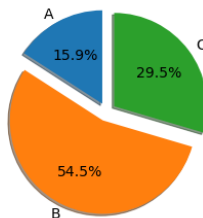
The only difference between polls and quizzes is that polls don't have a correct answer. You can also download the dataset from Kaggle (<https://bit.ly/3fuhqjt>).

# NemoBot Quizzes Polls Dataset

In this example, we focus on a specific poll instead of exploring the whole dataset. We have sent the same poll questions "I prefer the time-limited in-class quiz to the outside-class quiz." with three choices "A: Yes, give more in-class than outside-class", "B: Yes, retain same proportion of these two", and "C: No, give outside-class quizzes only" on two classes, and here is the pie chart showing the result.



(a) cs6491



(b) ge2340



You can play many games on our Nemobot! One game is called Mancala/Awari, and we used it on our GE2340 course. Here we share this game's play record dataset on Kaggle (<https://bit.ly/30PytIN>).

If you have any question about the dataset, feel free to ask on Kaggle's discussion page.

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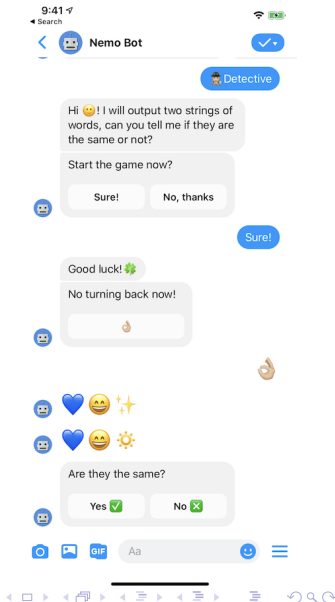
# NemoBot Student Project

We created a web platform for students to upload and run their own code on our NemoBot. Students need to register and login at <https://gamebot.algebragame.app/login>. When logged in, they will be able to choose from a list of projects posted by the instructors. Each project is an incomplete script for a game in the NemoBot, and they can fill the missing parts of the script and submit it.

In this section, we will show you some students' projects.

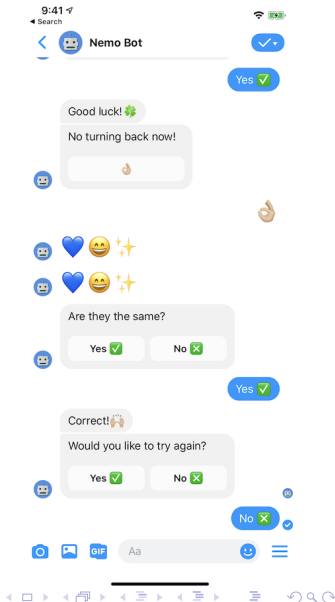
# Detective

The first project is created by a middle school student, which is a simple game of sending players two emoji strings and let them identify whether the strings are the same.



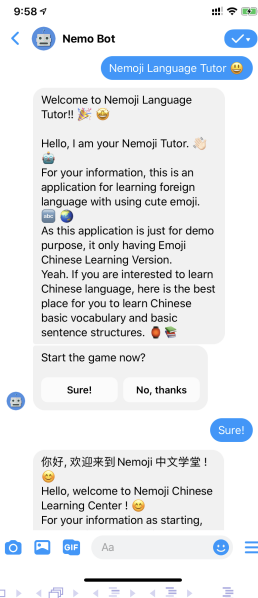
# Detective

You can try this game through Students project – Detective.



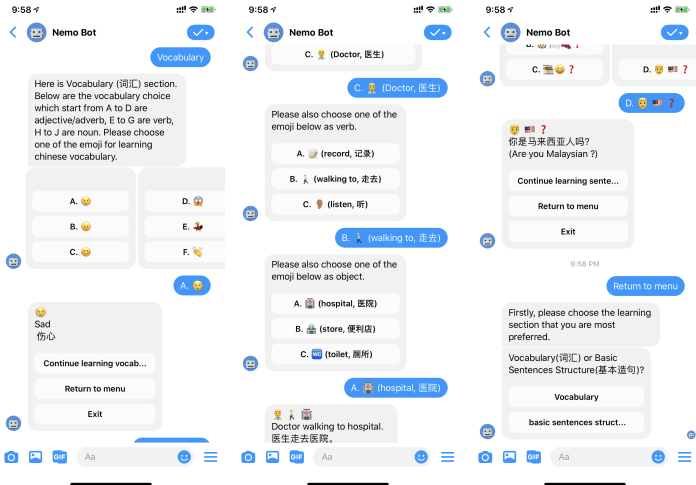
# Nemoji Language Tutor

Some students create utility projects instead of games. "Nemoji Language Tutor" is a project to teach users Chinese through emoji.



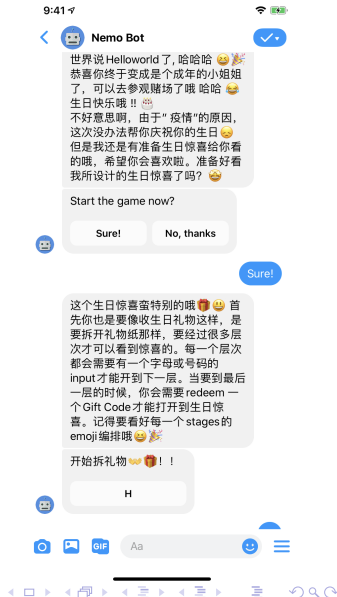
# Nemoji Language Tutor

You can try this project through Students project – "Nemoji Language Tutor".



# Happy Birthday

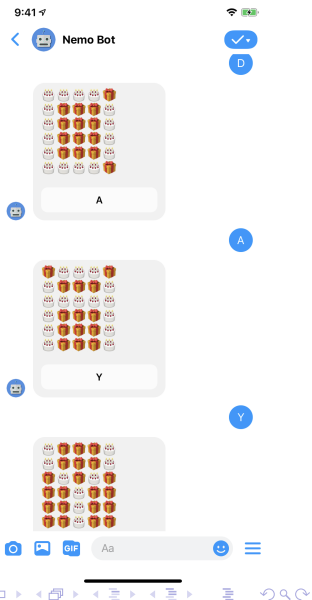
Instead of creating games, an undergraduate student used NemoBot to send birthday greetings to his friend.





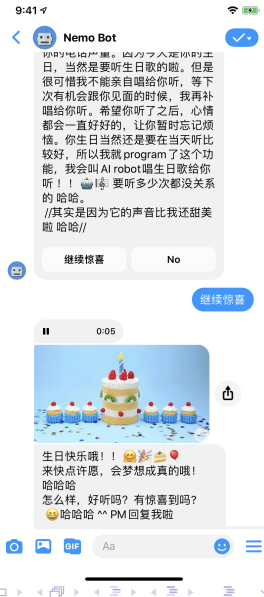
# Happy Birthday

He used emojis to form letters.



# Happy Birthday

In addition to sending texts and emojis, NemoBot can also send images, audios, and videos.



# Nemobot Tasks You can Help

- NemoBot now has a large number of questions and polls. You can help to vet them, improve them by fixing errors. (e.g., grammatical errors, logic errors) and find a smart way of housekeeping.
- You can create new questions and polls to dish out alongside the Gifted Student programme curriculum!
- NemoBot now has a large number of student projects, which include many unfinished or broken projects. We need you to manage those projects. (e.g., select the good ones, discard the bad ones, or design an AI curriculum that incorporates student projects.)