

# Project title: A Competitive Adaptive AI for Fighting Games.

# EMS5193

# Researcher name(s): Suhaib Anwaar

What is the research about?

I invite you to participate in a research project about finding out how much better a learning AI can compete against real players in comparison to an AI that has been completely coded by the developer. An application has been created that enables the player to fight against both AIs, one after each other. The performance of the player against both AIs will determine how competitive each AI is.

Do I have to take part?

This form has been written to help you decide if you would like to take part. It is up to you and you alone whether you wish to take part. If you do decide to take part, you will be free to withdraw at any time without providing a reason and without penalty. However, this project uses fully anonymized data, so if you do decide to withdraw, it will be difficult to withdraw your data as you cannot be identified within the dataset.

What will I be required to do?

You will play against both AIs in a 5-round fight, one after each other, and try to beat them. During both fights, data will be collected by the program on how well you and the AI perform. This data will be things such as the number of punches and kicks at the end of each round. After you have fought both AIs, you will be asked to fill out a questionnaire on how well you thought you and the AIs performed. Participating in this research will take you approximately 10 minutes of your time.

How will you handle my data?

Your data will be stored in an anonymised form and will only be accessible to the researcher and their supervisor. This means that nobody including the researcher could reasonably identify you within the data. Your data will be stored in the researcher’s computer with data fully anonymised at the point of collection. Your responses are treated in the strictest confidence - it will be impossible to identify individuals within a dataset when any of the research is disseminated (e.g., in publications/presentations). Abertay University acts as Data Controller (DataProtectionOfficer@abertay.ac.uk).

Retention of research data

Researchers are obliged to retain research data for up to 10 years’ post-publication, however your anonymised research data may be retained indefinitely (e.g., so that researchers engage in open practice and other researchers can access their data to confirm the conclusions of published work). Consistent with our data retention policy, researchers retain consent forms for as long as we continue to hold information about a data subject and for 10 years for published research (including Research Degree thesis).

# Consent statement:

Abertay University attaches high priority to the ethical conduct of research. Please consider the following before indicating your consent on this form. Indicating your consent confirms that you are willing to participate in the research, however, indicating consent does not commit you to anything you do not wish to do, and you are free to withdraw your participation at any time. You are indicating consent under the following assumptions:

* I understand the contents of the participant information sheet and consent form.
* I have been given the opportunity to ask questions about the research and have had them answered satisfactorily.
* I understand that my participation is entirely voluntary and that I can withdraw from the research (parts of the project or the entire project) at any time without penalty and without having to provide an explanation.
* I understand who has access to my data and how it will be handled at all stages of the research project.

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| --- | --- | --- |
| **PLEASE INITIAL BOX:** | **Yes, I do consent** | **No, I do not consent** |
| I consent to take part in this study conducted by Suhaib Anwaar who intend to use my data for further research examining. |  |  |

# Signature:

**I confirm that I am willing to take part in this research:**

# DATE:

# You can find our procedure for complaints (regarding research projects) and our privacy notice and legal basis for processing research data at: https://intranet.abertay.ac.uk/public/research-ethics-privacy-notice- information/