Participant Information Sheet

Study title: Human Evaluation of Diversity in AI-Generated Images
Principal Investigator: Antoine Cully
Researcher: Hannah Janmohamed

Invitation to study: We would like to invite you to take part in this survey that is part of an academic research project by Imperial College London. You are being invited to take part in a research study. Before you decide it is important for you to understand why the research is being done and what it will involve. Please take time to read the following information carefully and decide whether you wish to take part.

What is the purpose of the study? The study aims to understand how people judge and prefer between sets of AI-generated images. Your responses and input will help them understand different AI systems influence the diversity and quality of generated images.

Do I have to take part? It is up to you to decide whether to take part. If you do decide to take part, you will be asked to confirm your consent at the start of the survey. If you decide to take part, you are still free to withdraw at any time during the survey by simply closing your browser window and your data will not be stored. However, please note that because this survey is anonymous, once you have submitted your final responses, it will not be possible to withdraw your data as we will not be able to identify which responses belong to you**.**

Why have I been invited? You have been invited because you are a registered worker on Amazon Mechanical Turk. We are recruiting approximately 49,500 participants to evaluate sets of AI-generated images.

What will happen to me if I take part? This is an online task that should take no longer than 5 minutes to complete. Your data will be anonymised and you will receive compensation of $0.01 for completing the task, as listed on MTurk.

What do I have to do? In this task, you will see a prompt (e.g., "a capybara in a forest") and two sets of images generated for that prompt. You will need to pick the set that shows more variation (subjects, layouts, colour palettes, lighting, styles, etc.) while still matching the prompt.

What are the possible disadvantages and risks of taking part? There are no known risks to taking part in this study beyond the typical fatigue associated with using a computer screen for a short period.

What are the possible benefits of taking part? The information we get might help improve the diversity and quality of future AI image generation systems. You will also receive a payment of $0.01 for your time upon successful completion of the task.

What will happen to the results of the research study? The results of this study will be analysed as grouped study data and published in a peer-reviewed conference, likely in 2026. As the data is anonymous, you will not be identified in any report or publication. If you wish to see a summary of the results, you may obtain them by emailing a.cully@imperial.ac.uk.

Who is organising and funding the research? This research is organised and funded by Imperial College London.

Who has reviewed the study? This has been reviewed by the Head of Department and the Research Governance and Integrity Team (RGIT).

Contact for Further Information If you require further information, please contact: **Antoine Cully**, **Email:** a.cully@imperial.ac.uk