

Introducing AI Worksheet Activity

Duri Long, Jonathan Moon, Brian Magerko

Expressive Machinery Lab, Georgia Institute of Technology, Atlanta, GA
duri@gatech.edu, jonathanmoondesign@gmail.com, magerko@gatech.edu

Abstract

What is artificial intelligence? Where have you used it before? How do you feel about it? How does it work? In this assignment, students will explore questions like these through an interactive worksheet activity. This is intended as a high-level introduction to AI and can be used to kick off an AI-related class, unit, or workshop. This can be completed as a worksheet activity or the worksheet can be used as a guide to lead an in-class activity. The activity requires the use of a printable deck containing cards with examples of AI technologies and possible inputs, algorithms, and outputs for AI devices. The worksheet activity begins by prompting students to consider where they have seen AI before and how they feel about AI. Then, they are asked to look at the examples of AI in the card deck and select cards they have interacted with previously. Finally, students are walked through a high-level explanation of how AI works and are guided by the worksheet to create an imaginary AI using the input, algorithm, and output cards. This assignment is suitable for young learners but can also serve as an introduction for students of all ages. No technology is required.