Image Coding Guidelines

You are given a Google Sheet and a folder with 20 images to complete the image coding. Please follow the following guidelines to code the provided images and record them in the provided Google Sheet. There are five sections outlined below and they are either coded as 1 for Yes and 0 for No or short answers. The Google Sheet contains image IDs on the first row and coding category as the first column. Please look through the definitions and examples of each coding category before you look at any images. When you start coding the images, please put the number of each image file on the first row as the image ID. For example, if the name of the image file is "Copy of Copy of p24," please record p24 as the image ID; if the name of the image file is "Copy of Copy of 20," please record 20 as the image ID.

Outline - Five Sections for Image Coding:
1) Who are Computer Scientists?
2) Depictions
3) What do they do?
4) Environment
5) Attitude

Section 1: Who are Computer Scientists?

Look at the following instructions if there are *no human figures but objects* in the picture. Only code the following "Coding Category" and code other "Coding Category" in this section as 0:

Coding Category	Definitions & Examples	Coded as
None	There are no human figures in the image	Yes as 1, No as 0

Look at the following instructions if there is *only one human figure* in the picture. Only code the following "Coding Category" and code other "Coding Category" in this section as 0:

Coding Category	Definitions & Examples	Coded as
Single Figure	There are only one human figure	Yes as 1, No as 0
Male	Person with distinctive male features	Yes as 1, No as 0
Female	Person with distinctive female features	Yes as 1, No as 0
Ambiguous	The gender of the person is not distinguishable	Yes as 1, No as 0

Look at the following instructions if there are *multiple figures* in the picture. Only code the following "Coding Category" and code other "Coding Category" in this section as 0:

Coding Category	Definitions & Examples	Coded as
Multiple Figures	There are multiple figures	Yes as 1, No as 0
Multiple Men	All figures with distinctive male features	Yes as 1, No as 0
Multiple Women	All figures with distinctive female features	Yes as 1, No as 0
Mixed Men and Women	Multiple figures with distinctive male and female features	Yes as 1, No as 0
Ambiguous	Multiple figures but cannot determine gender	Yes as 1, No as 0

Section 2: Depictions

Coding Category	Definitions & Examples	Coded as
Scientific clothes	Lab coat, gloves	Yes as 1, No as 0
Glasses	Whether the person wear glasses	Yes as 1, No as 0
Messy hair	Whether the person has messy hair	Yes as 1, No as 0

Section 3: What do they do?

Coding Category	Definitions & Examples	Coded as
Work at a computer	Person working with a computer/laptop/monitor	Yes as 1, No as 0
CS skills	Person having a specific CS skill (e.g. write codes, test programs, debug)	Yes as 1, No as 0
Cognitive effort	Actions related to cognitive effort (e.g. think, learn new things, experiment, problem solving)	Yes as 1, No as 0
Design/create	Actions related to making (e.g. create, invent, build, or "designs	Yes as 1, No as 0

	technology")	
General computer skills	Any computer-related actions that are not related to programming (e.g. types, fix things)	Yes as 1, No as 0
Teaching	Actions that involve the action of teaching	Yes as 1, No as 0
Collaboration	Actions that involve collaboration with others	Yes as 1, No as 0
No idea/not sure	Actions that are ambiguous	Yes as 1, No as 0
Other	Other actions not mention above	Short answer

Section 4: Environment

Coding Category	Definitions & Examples	Coded as
Computer	Objects including computers/monitors/keyboards etc.	Yes as 1, No as 0
Coffee/Energy Drink	Objects including any kind of energy drinks	Yes as 1, No as 0
Junk Food	Objects including any kind of junk food	Yes as 1, No as 0
Whiteboard	Objects including a whiteboard/blackboard that you write something on	Yes as 1, No as 0
Bug/Error	Objects/texts indicating bugs or errors	Yes as 1, No as 0
Space	Person in large room/bright light or narrow space/dim light	Large as 1, Narrow as 0
Time	Object indicating time (e.g. a clos, sun as day, moon as night)	Yes as 1, No as 0
Number of people	The number of people in the image	A number
Other objects in environment	Any prominent object in scene not mentioned above	Short Answer

<u>Section 5: Attitude</u>

Coding Category	Definitions & Examples	Coded as
Positive	Positive attitudes shown in image (smiling faces etc.)	Yes as 1, No as 0
Negative	Negative attitudes shown in image (sad faces, crying etc.)	Yes as 1, No as 0
Neutral	Can't tell if it is either positive or negative or it is an object	Yes as 1, No as 0