One or More?

Task instructions for identifying one or
many part/subpart instances in SPIN dataset

If you have any questions, email me at zhli3162@colorado.edu.

WHY WE COLLECT THE DATASET?

Thank you so much for participating in our training, and this means tons a lot for us.

Modern AI models like ChatGPT often struggle to tell whether a segmented region shows one object or many— especially when **parts or subparts** appear in close-up views. For example, it can be hard to tell how many **windshields** are on an **airplane head**.

Your answers help teach these models to better recognize multiple parts and subparts in images!

Part/Subpart

A subpart is a part of an object part. Examples include mouths and eyes which are parts of a head which are, in turn, parts of a body (the object).

Myers-Dean, Josh, et al. "Spin: Hierarchical segmentation with subpart granularity in natural images." European Conference on Computer Vision. Cham: Springer Nature Switzerland, 2024.

Tutorial on complete the Qualification

🎯 Help Me Locate

How many **Car-Body-Door** can you see in this image?

○ One
◉ More than one
○ Something is wrong

◀ Previous   Next ▶

Object–Part → Example: Car–Body
Object–Part–Subpart → Example: Car–Body–Door

Answer the question:
Example: "How many Car–Body–Door are in this image?"

For this image:
Category = *Car–Body–Door*
Count all **doors** within the car body.

Help Me Locate: = toggle highlight to find the region.
Highlight is only a guide — it may cover multiple items, part of an item, or split one item into pieces.

Do not count highlights; count actual items.

Choose:
One → exactly one matching item;
More than one → two or more matching items
Something is wrong → highlight is in the wrong place or whatever feels off

For the Qualification, there will be two phases: one focused on subparts and another on parts, with a cheat sheet provided for each.

This is also a great time to share feedback on how we can better support you.
Please don't hesitate to email me at zhli3162@colorado.edu.