Let’s say a machine is trying to determine if it is viewing a factory. It can progress in its reasoning by going through these three levels…

Level 1 - Concrete floors, workers, machines, yellow jackets. Level 1 is simply the recognition of the objects within the scene.

Level 2 - The combos of these objects / this environment results in the machine recognizing this is a “factory” as opposed to something else.

Level 3 - WHY do these combos result in a factory...the machine can explain this, justify this with reasoning it develops on its own.

Currenlty machine learning is capable of Level 2 but has yet to reach level 3. The difference is exponential between these too.

Let’s try to determine why this is so...