You don’t know where your eyes have been and that could be problem.
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**Exp 1:** We had 24 radiologists searching for “lung nodules” in stacks of CT slices that image the 3D volume of the lung.

They found 57% of the nodules. When we tracked their eyes, we found they only looked at 41% of the volume of the lung (assuming a 2.5 deg window around fixation. 68% if you assume a 5 deg field)

Don’t they know where they have looked? ... maybe not. We tested that by asking people where they had fixated a few seconds ago. They don’t know.

**Exp 2:** We had naïve observers perform an easy change detection task.

Look here for 3 sec

Locate the change

But, on ¼ of trials, we asked them to click 12 spots they had just fixated

Click where you looked

At the end of the exp, we had them look at 10 new scenes and tell us where someone else would have fixated.

Red spots are real fixations. Blue are O’s guesses about one’s own fixations. Teal are guesses about fixations of others

This is an ROC-style graph showing that Os are no better at recalling their fixations than predicting someone else’s. The green line is a model that does much better.