

Now AI Will Simplify Lie detection

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Scientists have always known that our pupils dilate when we lie or try to deceive someone. The change is so minute for an average human to notice but not for artificial intelligence.

Researchers found that a person will generally take a longer duration to answer questions on a test, as they're careful. But on the specific questions where they're lying on, they will respond faster.

Polygraphs, truth serum, narcoanalysis, brain mapping are techniques of the past in lie detection. The new technology, called EyeDetect uses a camera to track eyes and sense deception is gaining popularity as a more affordable, less biased than a polygraph test, which has been the gold standard for detecting lies.

A person taking a lie detection exam has to answer a series of true-or-false questions on a tablet. An infrared camera is used to track the eye movement, the rate of blinking and pupil dilation. After thirty minutes, an algorithm analyzes the level of their deceptiveness on a scale from zero to hundred.

There are several advantages to detecting lies through the human eyes. Polygraph exam results can be biased because of the human administrator as the score results directly depend upon the type of questions asked by him. The solution removes the human element completely out of the frame.

The polygraph essentially looks for physiological changes like change in blood pressure and pulse rate as a subject is questioned. If the subject is nervous for some other reason whether guilty or not, some physiological changes will be shown and the result can be inaccurate. Many courts across the world don't accept polygraph test's authentication for the same reason.