

## Case of the Missing \$9,400 in Cash



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Jorge Pedroche  
CASS

### BACKGROUND

In 2019, a refrigeration company in Monterrey, NL, Mexico suffered a loss of 200,000 pesos (about \$9,400 US). The cash was stolen from the manager's office. Based on the time of day and the thief's apparent knowledge of the premises, the owners suspected it was an inside job.

There were 52 company employees and, without any strong evidence regarding the theft, all were potential suspects.



### EYEDTECT IMPLEMENTED

To speed up the investigation process, all employees would be tested with [EyeDetect](#). It was decided in advance that anyone who failed the EyeDetect test would also be tested with polygraph. This would help to give them the benefit of the doubt, but more importantly according to scientific literature that discusses successive testing, which includes applying a specific statistical model (Bayes Theorem), if a person undergoes testing with two independent solutions, such as EyeDetect and polygraph, up to 99% confidence can be obtained in the results. With this level of precision in mind, the investigation was carried out starting with EyeDetect tests.

### RESULTS

After testing with EyeDetect, there were only two employees who failed the test about stealing the 200,000 pesos. Both of these people were then given a polygraph test and of those two, only one also failed the polygraph test. Turns out the employee that had failed both the EyeDetect test and the polygraph exam had a history of disciplinary problems with the company and steps were taken to fire him.

EyeDetect Service Partner Jorge Pedroche, director of [CASS](#), conducted the EyeDetect and polygraph testing with employees to investigate the crime. In just a few days, 52 employees were tested.

“Due to the noninvasive nature and objectivity of the EyeDetect test, employees felt they were treated respectfully,” said Pedroche. “And because of the speed and accuracy of the test, the general manager was pleased to quickly learn who was the most likely culprit of the money theft.”

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