

TITLE

Experience with Punishment and Specific Deterrence: Evidence from Speeding Tickets

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ABSTRACT:

This paper analyzes how subjective experiences of being punished affect subsequent offending behavior. The context of our study is the enforcement of speeding tickets through speeding radars in a suburb of Prague. Using unique data that cover anonymized individual driving and ticketing histories of more than 600,000 car owners over 15 months, we evaluate drivers' responses to receiving a speeding ticket. In addition to evaluating the impact from the ticket, we ask whether the magnitude of any deterrent effect depends on the \textit{delay} between the offense and the actual punishment. In answering these questions, we exploit high-frequency data and several quasi-experimental strategies that allow us to identify causal effects. We find evidence on a strong specific deterrence effect of receiving a ticket. Drivers reduce their speeding immediately after they receive the ticket and the reduction is sustained over several months. Moreover, we show that the effects are more than two times larger if the ticket is received within one month of the violation than with a longer delay. The findings have important policy implications.