Psychologist Accused of Fraud on ‘Astonishing Scale’

The worst fears came true. A Dutch committee that has spent the past 6 weeks investigating one of the Netherlands’ leading social psychologists has concluded in a report this week that he made up or manipulated data in dozens of papers over nearly a decade.

Diederik Stapel was originally suspended from his position at Tilburg University in the Netherlands in September after three junior researchers reported that they suspected scientific misconduct in his work. After being confronted with the accusations, Stapel reportedly told university officials that some of his papers contained falsified data. The university launched an investigation, as did the University of Groningen and the University of Amsterdam, where Stapel had worked previously.

The Tilburg commission released an interim report on 31 October, which includes preliminary results from all three investigations. The investigators found evidence of misconduct on an “astonishing scale,” the report says. Stapel made up data in dozens of studies, the report notes. Stapel had co-authored, including a paper earlier this year in Science (8 April, p. 251) on the influence of a messy environment on prejudice. (Science issued an Editorial Expression of Concern about the paper this week.)

The fraud will cause “huge damage,” says Susan Fiske, a social psychologist at Princeton University. “His work is very central—or was.”

Stapel’s studies encompassed a broad range of attention-catching topics, including how a position of power influences moral thinking. The committee, which interviewed dozens of Stapel’s former students and colleagues, concluded that Stapel acted alone. The report says he would discuss experimental designs in detail with collaborators and would claim to conduct the surveys at high schools and universities with which he had special arrangements. The experiments, however, never took place, and Stapel gave collaborators made-up data sets, investigators allege. In other instances, the report says, he told colleagues that he had an old data set lying around that he hadn’t had a chance to analyze. When Stapel did conduct actual experiments, the committee found evidence that he manipulated results.

Many of Stapel’s students were simply given data to analyze and graduated without having ever run an experiment, the report says. The commission writes that Stapel was “absolute lord of the data” in his collaborations. Colleagues or students who asked to see raw data told the commission they were given excuses or even threatened and insulted.

At least two earlier groups of whistleblowers questioned Stapel’s work, the report notes, but no one followed up. On careful inspection, many of Stapel’s data sets have improbable effect sizes and other statistical irregularities, the report says. Among Stapel’s colleagues, the description of data as too good to be true “was a heartfelt compliment to his skill and creativity,” the report says.

The report recommends that the universities look into criminal charges based on the misuse of research funds and possible harm to Stapel’s students resulting from the fraud. The University of Amsterdam, where Stapel received his Ph.D., has not yet determined whether his dissertation is fraudulent. The committee suggests that the university consider revoking Stapel’s degree, however, based on “unbecoming” conduct.

—GRETCHEN VOGEL

SCIENTIFIC MISCONDUCT

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