



THE UNIVERSITY OF
CHICAGO

Department of Statistics

MASTER'S THESIS PRESENTATION

TAMARYN HINE

Department of Statistics
The University of Chicago

The Winner's Curse: Overstated Magnitude of Effects in
Underpowered Tests

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Eckhart 117, 5734 S. University Avenue

ABSTRACT

The winner's curse is a problem that exists in many different research fields. This problem is worsened by the prevalence of underpowered tests. Replication and meta-analysis are both proposed solutions but these methods also have their limitations. Design analysis can give a quantitative indication of how severe the winner's curse may be, but ultimately the focus on statistical significance needs to be reduced.

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