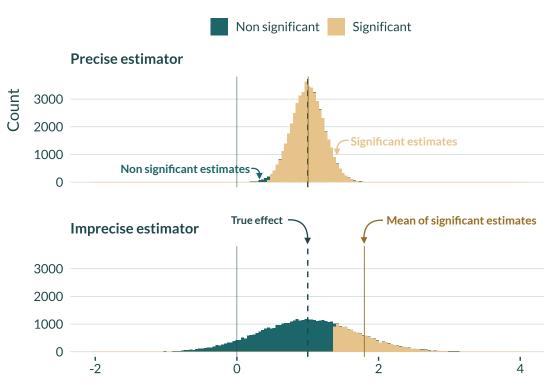Imprecise estimators can cause exaggeration