

# How to Confirm the Disconfirmed. On conjunction fallacies and robust confirmation

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## Abstract

Can some evidence confirm a conjunction of two hypotheses more than it confirms either of the hypotheses separately? We show that it can, moreover under conditions that are the same for nine different measures of confirmation. Further we demonstrate that it is even possible for the conjunction of two disconfirmed hypotheses to be confirmed by the same evidence.

**Keywords:** Probability, confirmation, conjunction fallacy.

**Subjects:** [Specific Sciences: Probability/Statistics](#)  
[General Issues: Confirmation/Induction](#)

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