

Poisoned Babies, Shot Fathers, and Ruined Experiments

Alexander Max Bauer, 05.09.2023



Roadmap

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A Tale of Three Papers

Actual Causation and Compositionality

Jonathan Livengood and Justin Sytsma+1

Many thurster of actual crussion implicitly orders the claim that if i is an actual cruss of i, thus when claims of actual cruss of i, thus when c claims of actual is interested as you while i individual is caused in a fault flow in a result and the claim caused or and such as a most offerior of it. Which their compositionality constraint is plausible. However, as we also it is not always undefined by the consultant types of the claims people make. We conclude by constrainting when philams—plaus undefining on causation should dis when the deliverances of their theories diverge from what calculates people make.

1. Introduction. In this seriel, we identify a structural committee the constitutional construction—that is implicitly densited by many accusate of seval causation in the philosophical licensus, and we preserve riskness against the committee of the construction o

 Articulating the Compositionality Constraint. Causation cornes in at least two varieties—structural causation and actual causation. Structural causal relations are something like causal laws. They generate uniforms of

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When rould like to thank audience members are Victoria University of Wellington, forus Sane University, and the 2016 Berfalo Experimental Philosophy Conference, who give us feedback on earlier stages of this research. And we would like to thank several anonymous neviewer for their contributions.

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ARTICL

Poisoned Babies, Shot Fathers, and Ruined Experiments: Experimental Evidence in Favor of the Compositionality Constraint of Actual Causation

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(Received 13 bdy 2021: revised 66 May 2022: accepted 30 December 2022: first sublished ceiline 17 February 2023)

Abstract

Livergood and Systems (2020) dealings the compositionally constant of assist classification (CCCA), exceeding to which each intervensible of a consid dusin in serior offs or cascal dusin in a role off of its predecessor and a cause of fits successor link. In several studies, they fit support for their hypothesis that the CCCA in role is conclusion with the cellular years and articulates of laypungh. We support that there are three intervalued predens in their studies' design that we call the causality-responsibly confision (CCC). In this causality-responsibly confision (CCC), the international confision of CCC), and the causand questioning (CCC), avoiding the CEC, the IOC, and the CCC leads to strong empirical support for the CCCA.

I Introduction

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DISCUSSION NO

Answers at Gunpoint: On Livengood and Sytsma's Revolver Case

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Abstract

Josathus Livengoud and Justin Sytuma here published a series of studies on "Actual Canadicia and Cerponitionally," in which they inventigate canal attributions of Hypotople. We use one of their signetise to follow up on their ensurels. Our finding cast doubt on their conclusion that ordering casal attributions tend to violate the compositionality constraint if one looks at cases in which senseeue is respectable for an effect by way of an intermediary that does not share in the responsibility.

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This compositionality constraint intuitively seems to be a reasonable desideratum for any adequate theory of actual cassastien. However, whether it is indeed correct, Livengood and Systema argue, is a different kettle of fish. Arguably, it is not enough to solely rely on the intuitions of a single philosopher or of a small, relatively

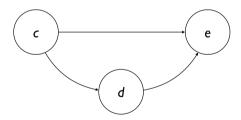
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Livengood and Sytsma (2020): Actual Causation and Compositionality

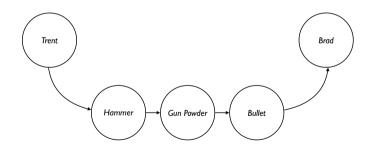
Compositionality Constraint of Actual Causation: If c is an actual cause of e, then either c causes e directly, or every intermediary d by which c indirectly causes e is itself an actual effect of c and an actual cause of e. (Livengood and Sytsma 2020, p. 44)





Livengood and Sytsma (2020): Actual Causation and Compositionality

Revolver Case: Trent has decided to kill his father, Brad. He aims his loaded revolver at Brad and pulls the trigger, releasing the hammer. The hammer strikes the cartridge, igniting the gun powder. The gun powder explodes, driving the bullet from the gun. The bullet hits Brad in the head. He dies instantly. (Livengood and Sytsma 2020, p. 59)





Livengood and Sytsma (2020): Actual Causation and Compositionality

Revolver Case

- -N = 51
- (dis)agreement on 7-point scale
- 4 statements, i. e.,
 - (A) "Trent caused Brad's death."
 - (B) "The hammer caused Brad's death."
 - (C) "The gun powder caused Brad's death."
 - (D) "The bullet caused Brad's death."

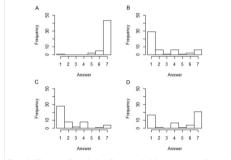


Figure 8. Histograms for study 8. A, Trent caused; B, hammer caused; C, powder caused; D, bullet caused.



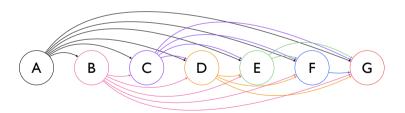
Events

- 8 different events, i. e.,
- (A) "pulling the trigger"
- (B) "releasing the hammer"
- (C) "striking the cartridge"
- (D) "igniting the gun powder"
- (E) "the gun powder exploding"
- (F) "driving the bullet from the gun"
- (G) "the bullet hitting Brad in the head"
- (H) "the death of Brad"



Combinations of events

- 28 "X caused Y" statements, e.g.,
- (A/B) "Pulling the trigger caused the release of the hammer."
- (C/D) "Striking the cartridge caused the ignition of the gun powder."
- (F/G) "The bullet being driven from the gun caused the bullet to hit Brad in the head."





Analogous Statements

- (1) "Trent caused Brad's death."
- (A/H) "Pulling the trigger caused the death of Brad."
 - (2) "The hammer caused Brad's death."
- (B/H) "Releasing the hammer caused the death of Brad."
 - (3) "The gun powder caused Brad's death."
- (D/H) "Igniting the gun powder caused the death of Brad."
- (E/H) "The explosion of the gun powder caused the death of Brad."
 - (4) "The bullet powder caused Brad's death."
- (F/H) "The bullet being driven from the gun caused the death of Brad."
- (G/H) "The bullet hitting Brad in the head caused the death of Brad."



Comparison

- N =
- (dis)agreement on 7-point scale
- 28 statements

