

Predicting seasonal influenza hospitalization using the ensemble super learner: a simulation study

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Abstract

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Author summary

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Meta

- Target journal:** *PLoS Computational Biology*
- Section:** Epidemiology and Clinical/Translational Studies
- Potential editors:**
 - Benjamin Althouse
 - Miles Davenport

- Matthew Ferrari 7
- Roger Kouyos 8
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Potential reviewers: 10

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- Logan C. Brooks (co-author on paper we use for curve simulation) 12
- Roni Rosenfeld (co-author on paper we use for curve simulation) 13
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1. Feynman R, Vernon Jr. F. The theory of a general quantum system interacting with a linear dissipative system. Annals of Physics. 1963;24: 118–173. doi:10.1016/0003-4916(63)90068-X 29
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2. Dirac P. The lorentz transformation and absolute time. Physica. 1953;19: 888–896. doi:10.1016/S0031-8914(53)80099-6 32
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