

# DemoDecomp: An R package of generalized decomposition methods

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**Why Decompose?**

**When should I use a  
general method?**

# Three methods in DemoDecomp



Ecological Modelling

Volume 46, Issues 3–4, August 1989, Pages 221–237



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Hal Caswell

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stepwise\_replacement()

*DEMOGRAPHIC RESEARCH*  
VOLUME 7, ARTICLE 14, PAGES 499-522  
PUBLISHED 1 OCTOBER 2002  
[www.demographic-research.org/Volumes/Vol7/14/](http://www.demographic-research.org/Volumes/Vol7/14/)  
DOI: 10.4054/DemRes.2002.7.14

Research Article

**Algorithm for decomposition of differences between aggregate demographic measures and its application to life expectancies, healthy life expectancies, parity-progression ratios and total fertility rates.**

Evgueni M. Andreev  
Vladimir M. Shkolnikov  
Alexander Z. Begun

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