







# Demographic time Tim Riffe Jonas Schöley Francisco Villavicencio







P: period, calendar year

C: birth cohort, calendar time of birth

T: thanatological age, time to death

D: death cohort, calendar time of death







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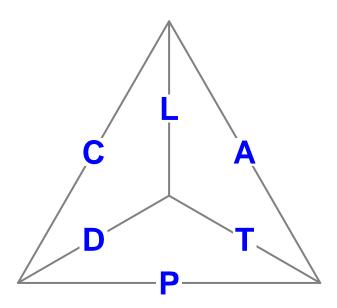
T: thanatological age, time to death

**D**: death cohort, calendar time of death















TPD: aligned to death, no birth

**TAL**: shows variation over the lifespan, but not in calendar time.

LCD: lifespans positioned in calendar time, but without age.







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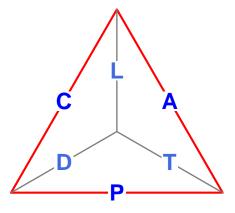
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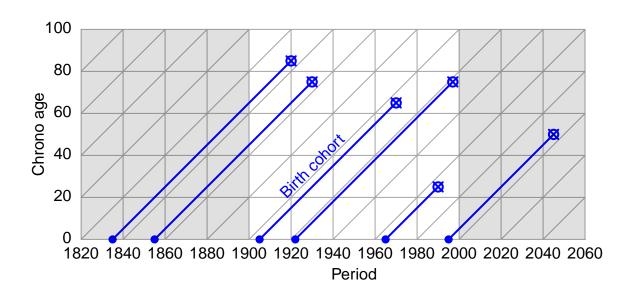


















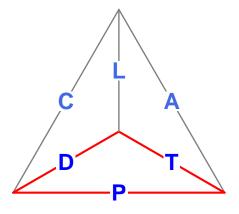
Birth Death

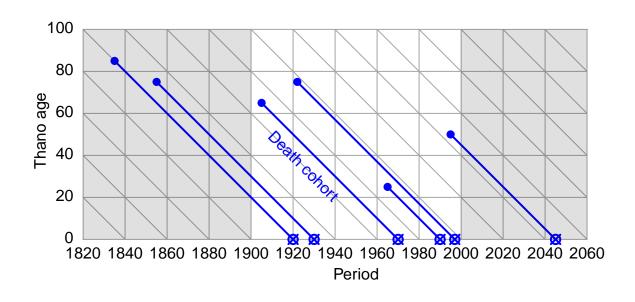








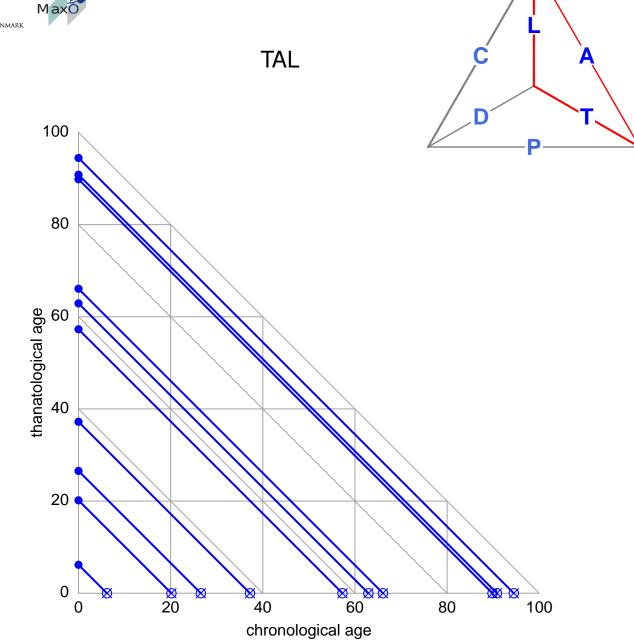












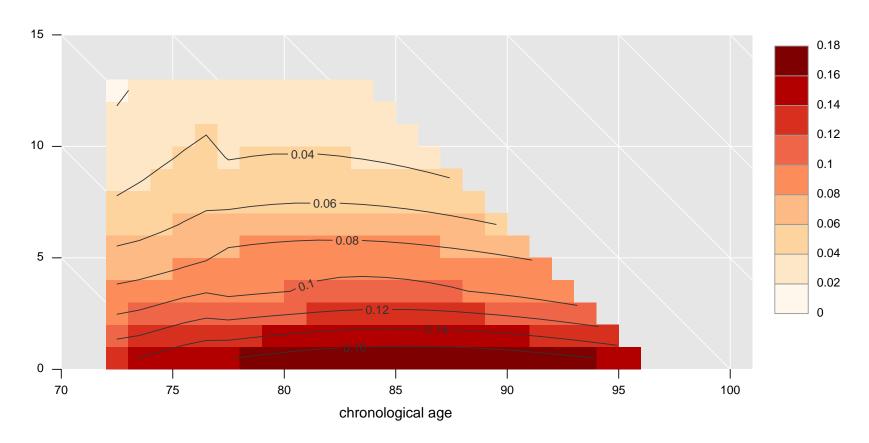






#### TAL (cohort), spotted in the wild

#### thanatological age

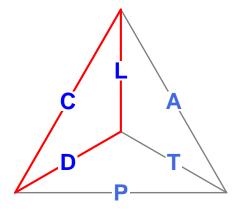


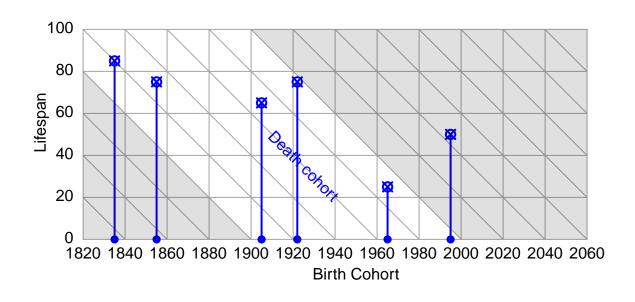










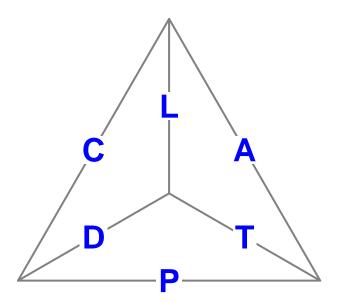








#### A tetrahedron joins the diagrams









### All diagrams combined (right angles)

Using right-angles (interactive, web):1

http://demog.berkeley.edu/~triffe/RGL1/

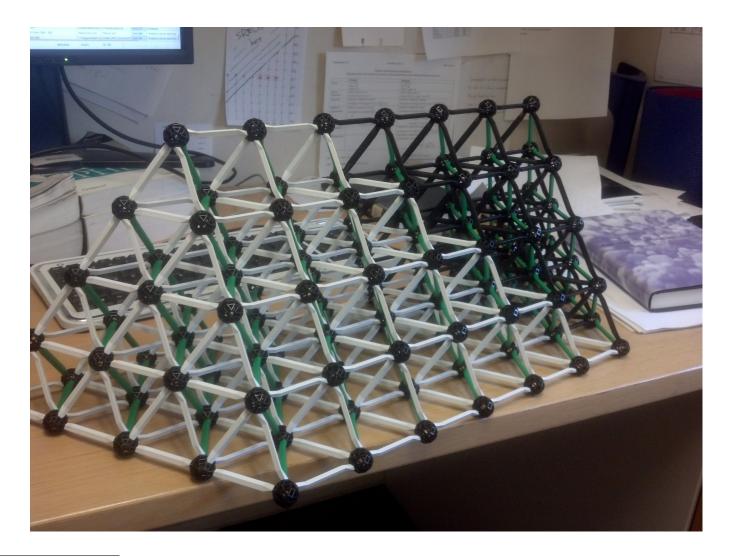
<sup>&</sup>lt;sup>1</sup>assuming we have good internet...







#### As a regular honeycomb<sup>2</sup>



<sup>&</sup>lt;sup>2</sup>sorry, it doesn't fit in my suitcase







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- but what is it for?
- Late-life morbidity measurement and prediction.







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## Comments or Questions? www.demogr.mpg.de