

Supplementary material:
Matrix methods in health demography: A new approach to the
stochastic analysis of healthy longevity and DALYs

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This document contains two sets of figures. The first set displays the age schedules of the statistics (mean, standard deviation, coefficient of variation, and skewness) of remaining longevity and remaining healthy longevity, up to age 90, for each of the countries in the SHARE dataset. Healthy life is defined by no limitations in activities of daily living.

The second set of figures displays the age schedules of the same statistics of healthy longevity measured by grip strength, for each of the countries in the SHARE dataset.

A Additional material 1 — Statistics of healthy (disability-free) longevity for individual countries

In this Appendix, we display the age schedules of the statistics (mean, standard deviation, coefficient of variation, and skewness) remaining longevity and healthy healthy, up to age 90, for each of the countries in the SHARE dataset. Healthy life is defined by no limitations in activities of daily living.

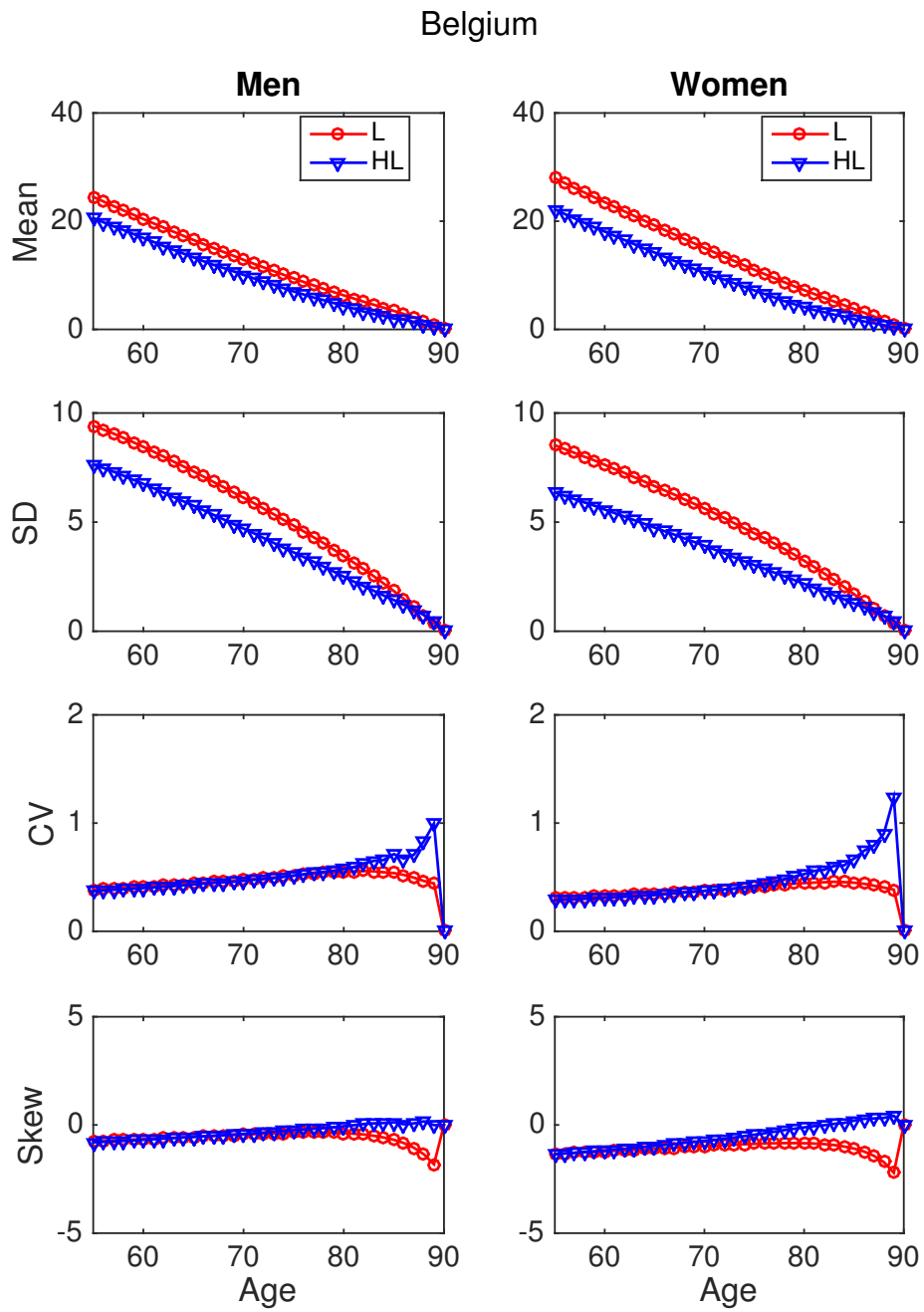


Figure A-1: Mean, standard deviation, coefficient of variation, and skewness for remaining longevity and remaining healthy (disability-free) longevity; Belgium

Czech Republic

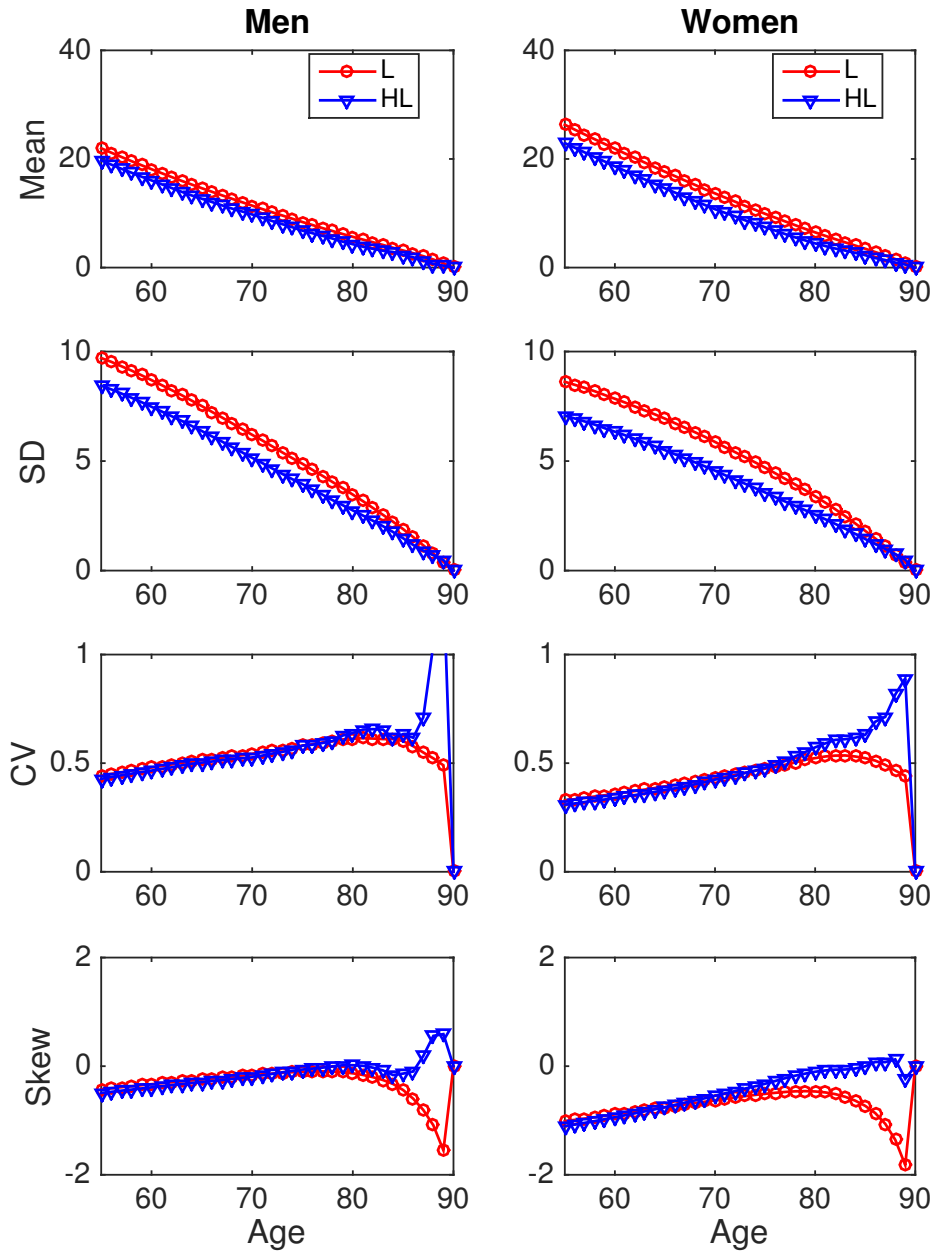


Figure A-2: As in Figure A-1, for Czech Republic

Germany

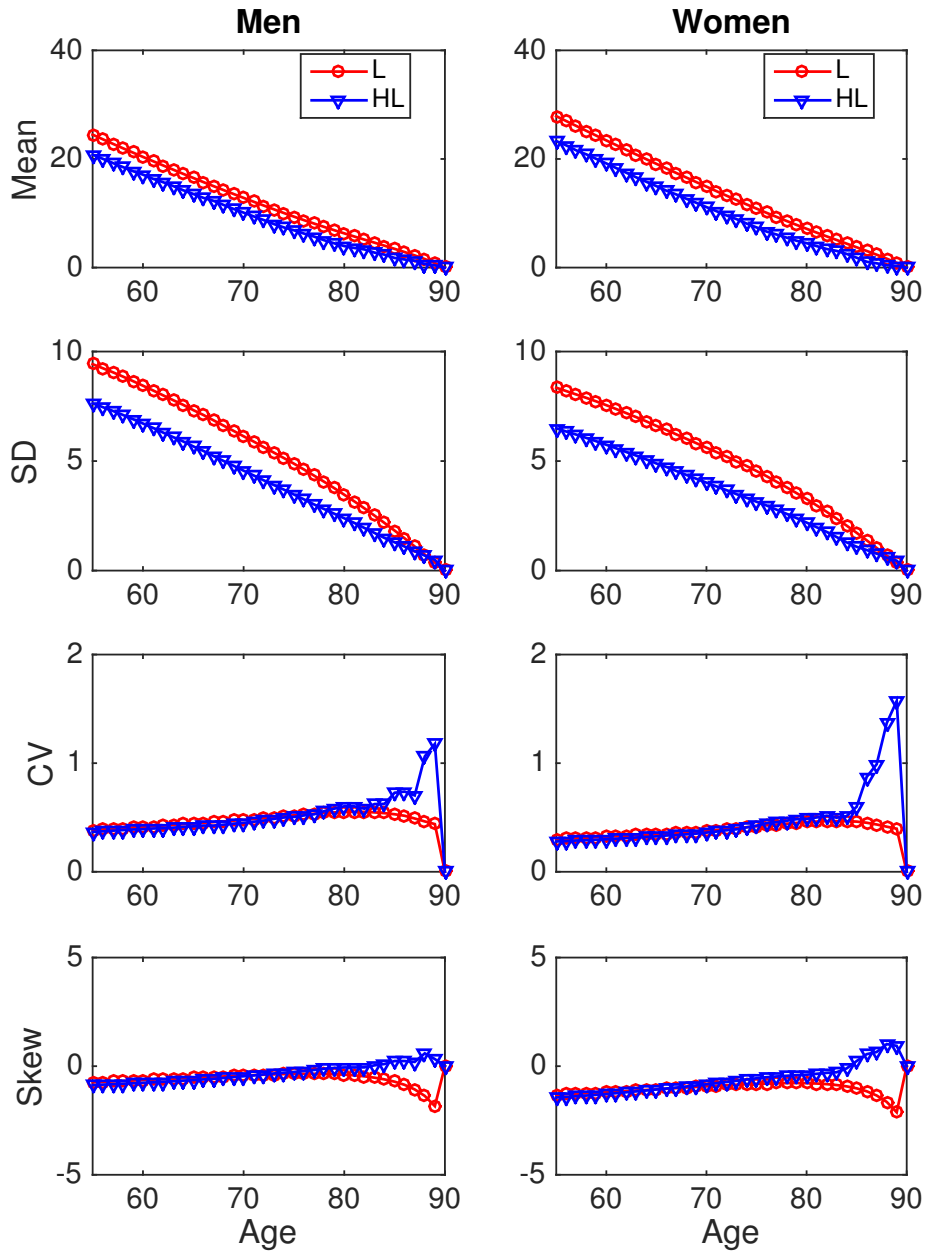


Figure A-3: As in Figure A-1, for Germany

Denmark

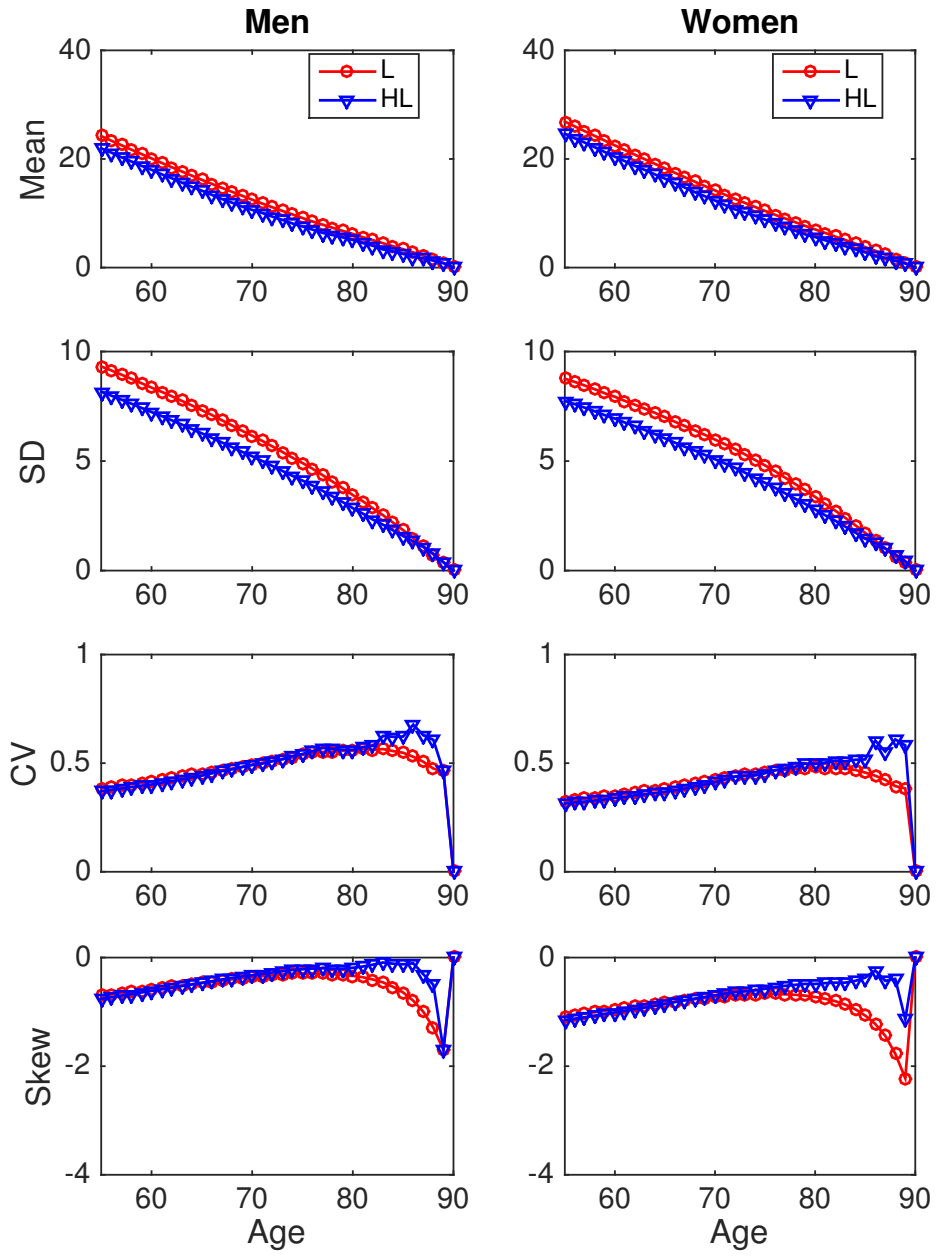


Figure A-4: As in Figure A-1, for Denmark

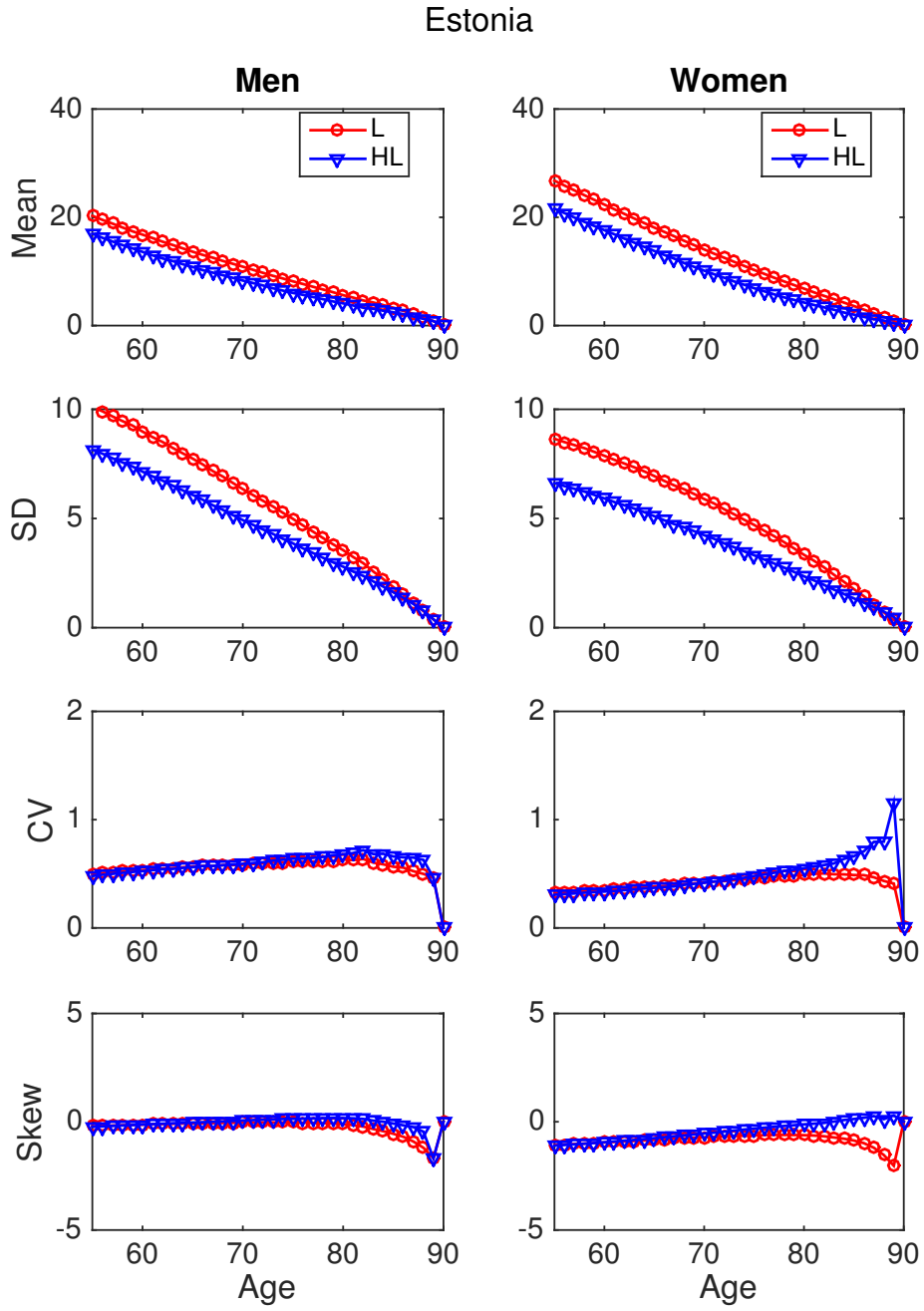


Figure A-5: As in Figure A-1, for Estonia

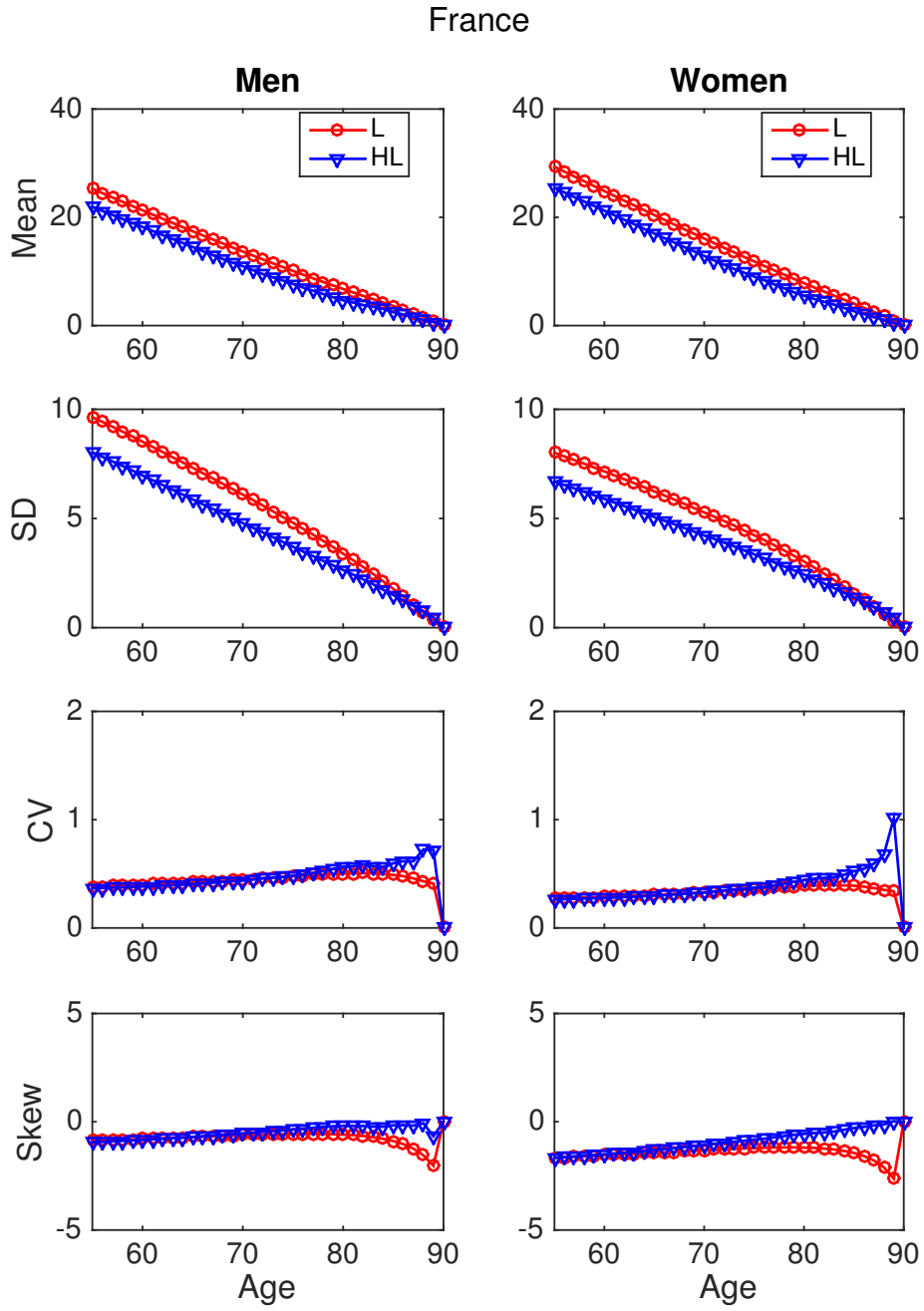


Figure A-6: As in Figure A-1, for France

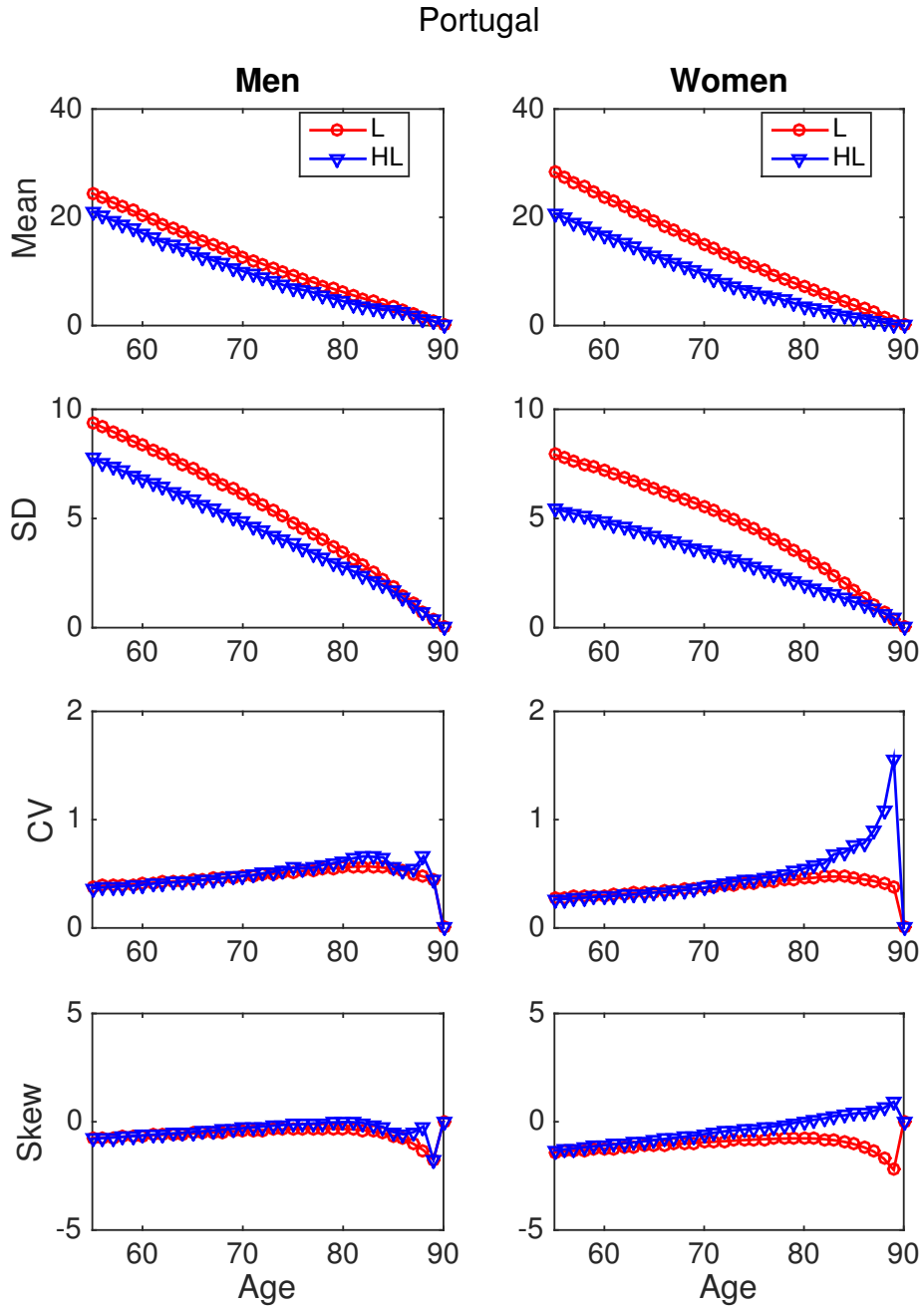


Figure A-7: As in Figure A-1, for Portugal

Sweden

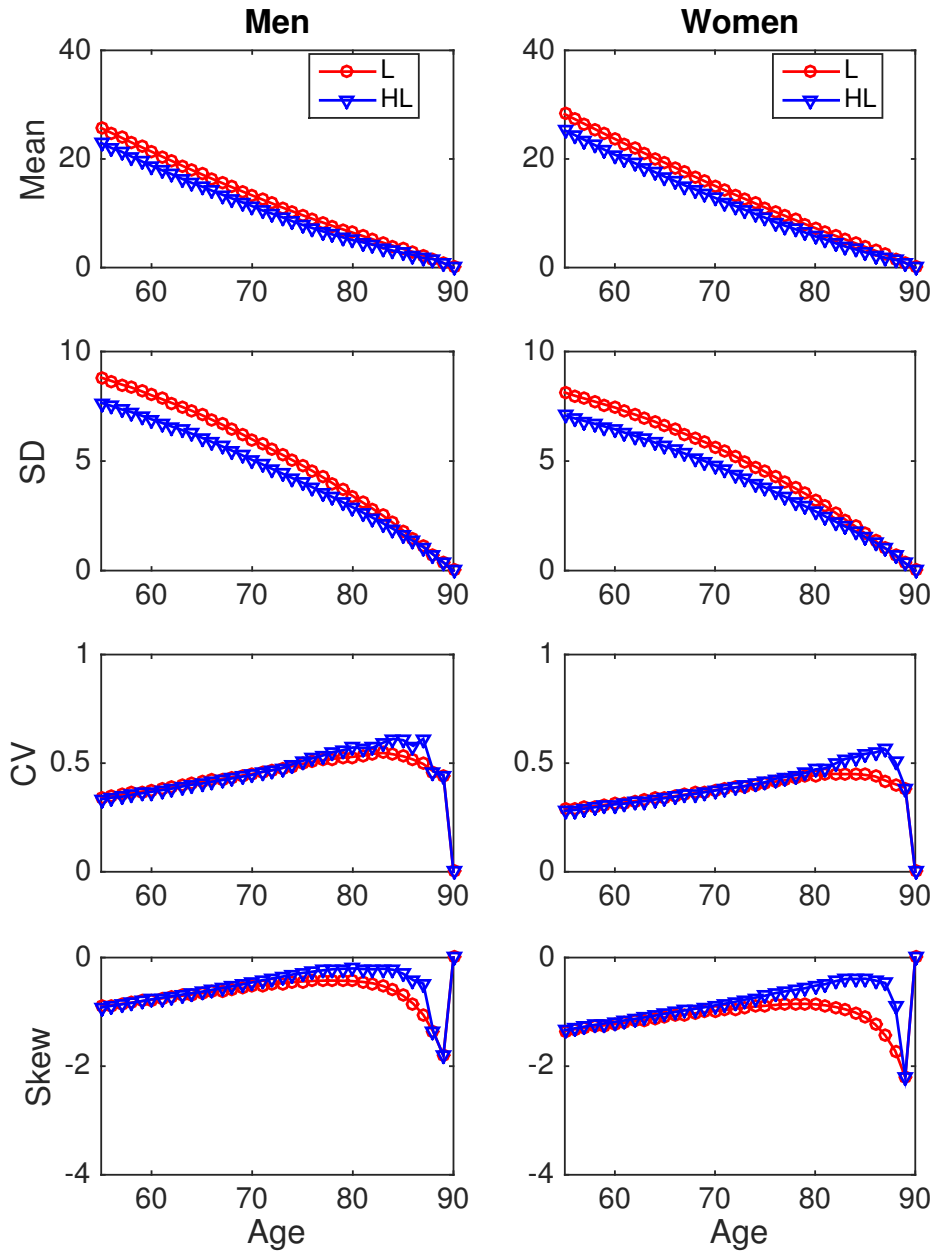


Figure A-8: As in Figure A-1, for Sweden

Switzerland

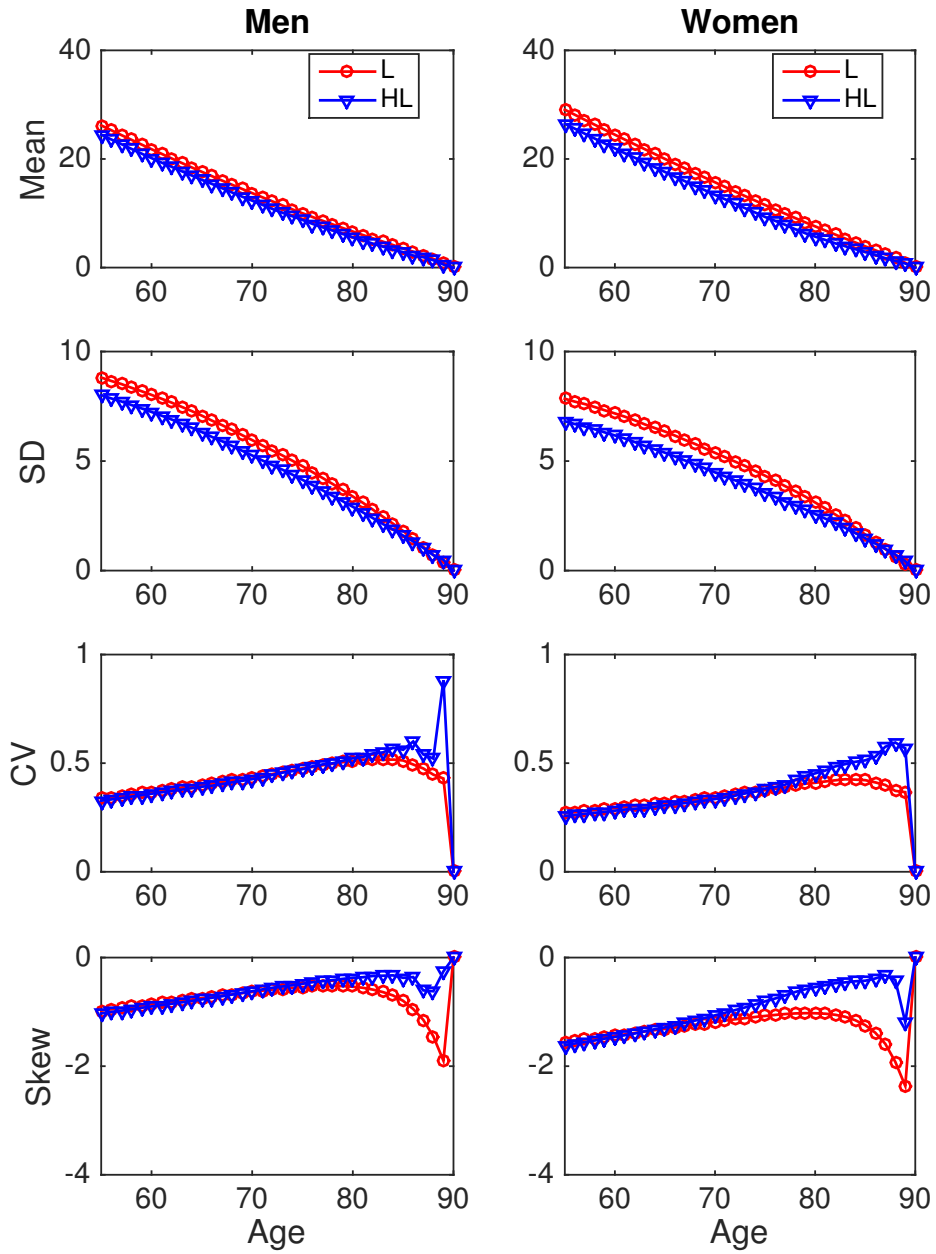


Figure A-9: As in Figure A-1, for Switzerland

B Additional material 2 — Healthy longevity measured by grip strength

In this appendix, we present the age schedules of the statistics (mean, standard deviation, coefficient of variation, and skewness) of remaining grip strength-years for each of the countries in the SHARE dataset.

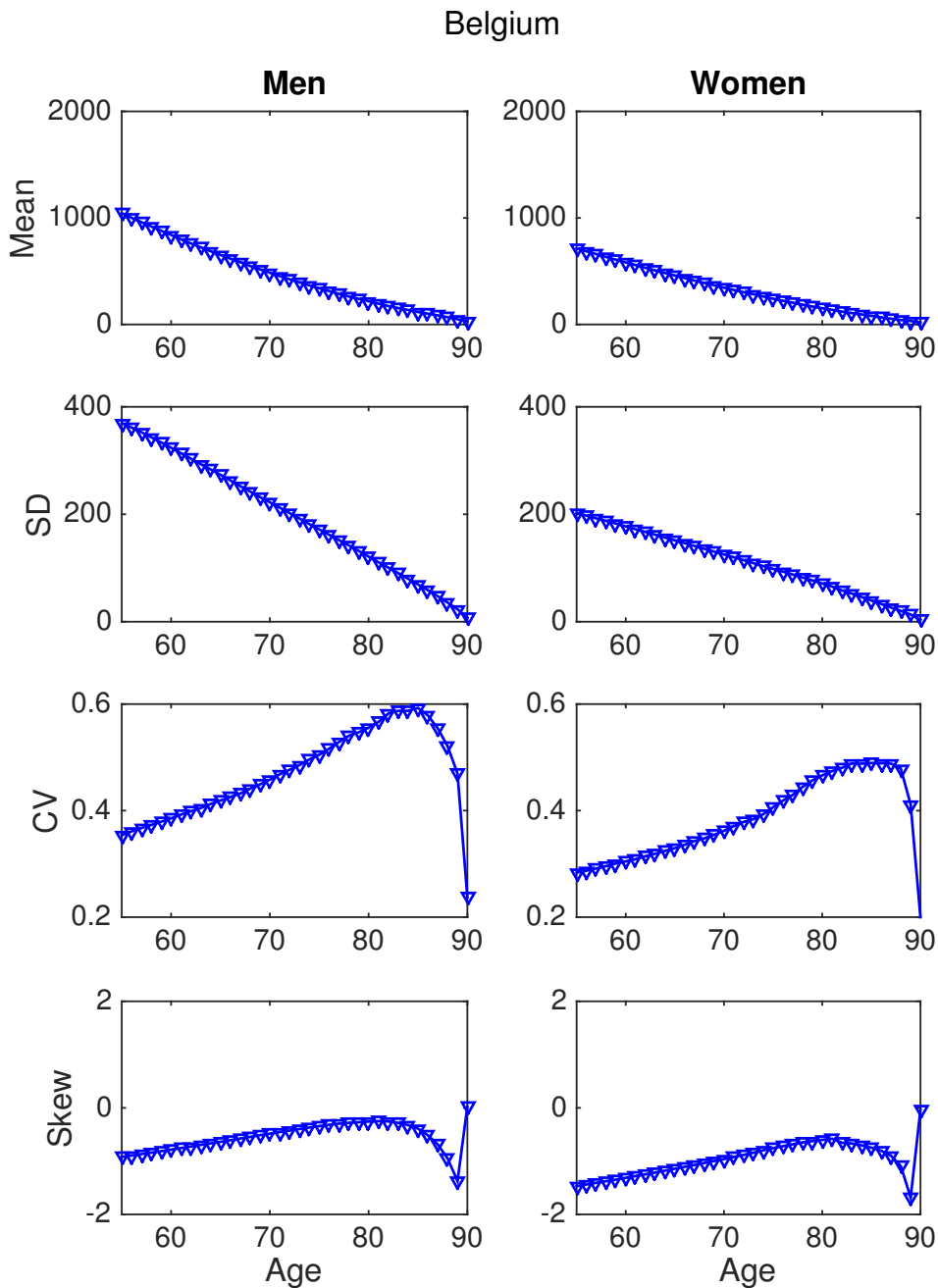


Figure B-1: Mean, standard deviation, coefficient of variation, and skewness for remaining healthy longevity (grip-years) as measured by grip strength, for Belgium

Czech Republic

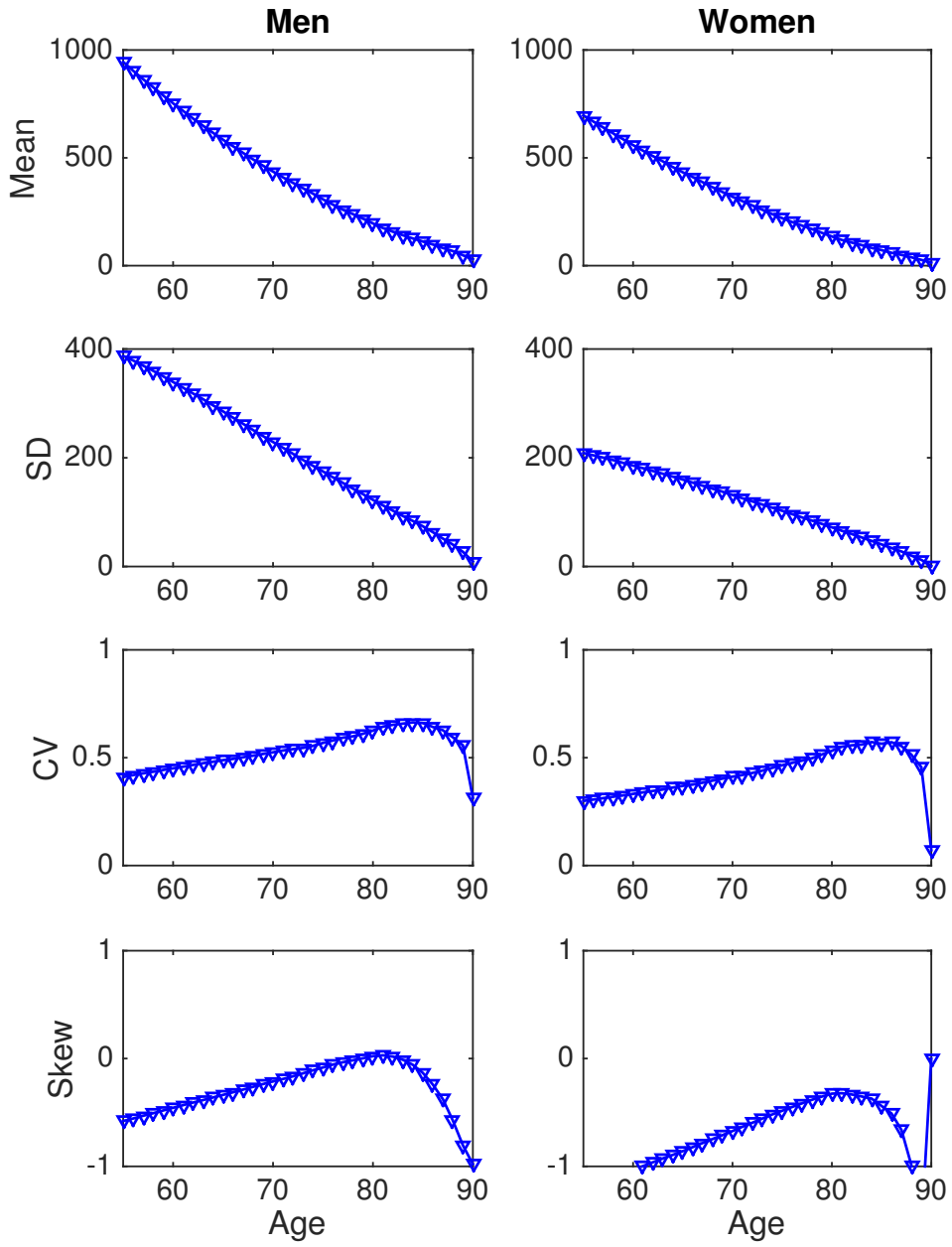


Figure B-2: As in Figure B-1, for Czech Republic

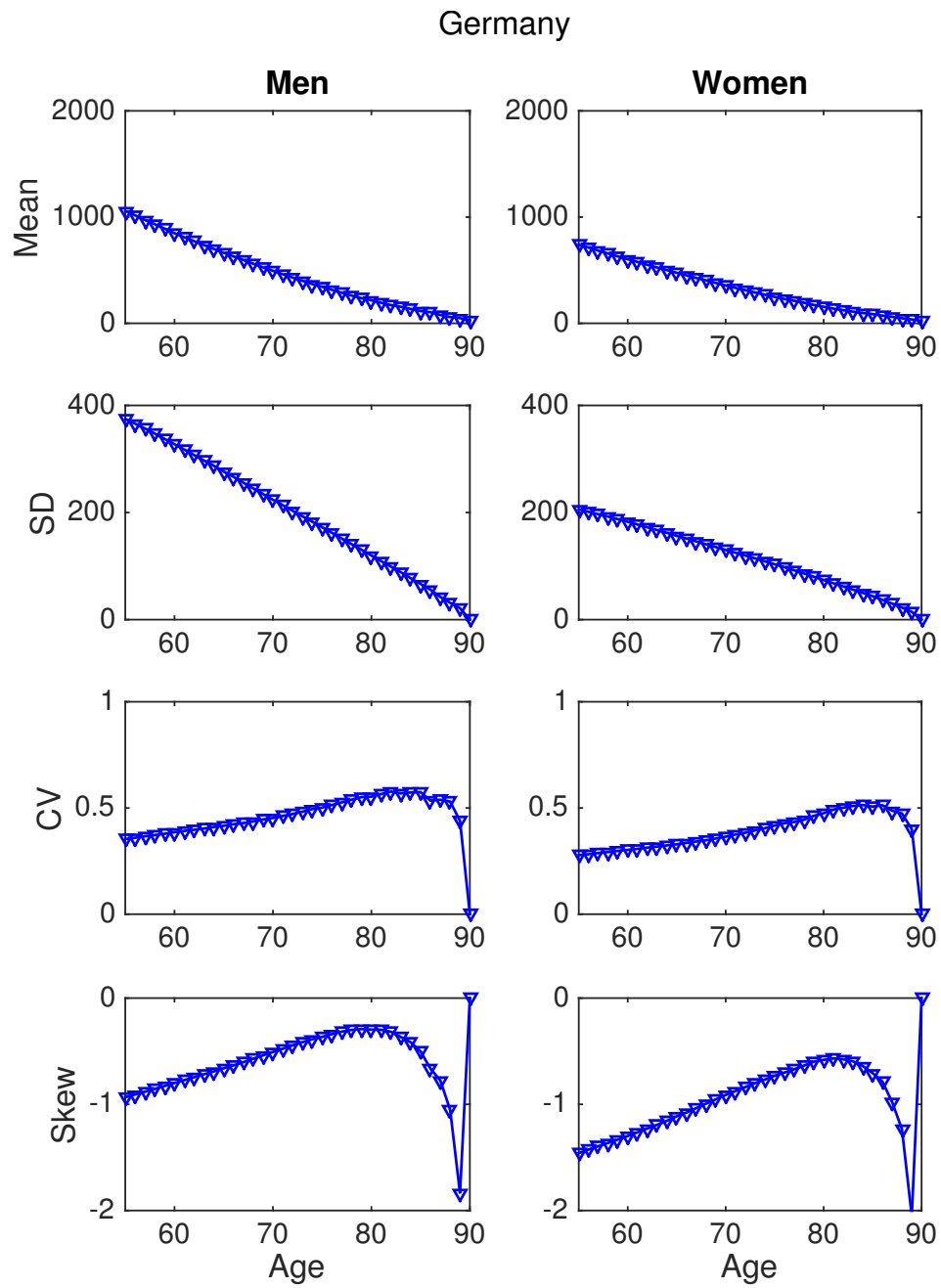


Figure B-3: As in Figure B-1, for Germany

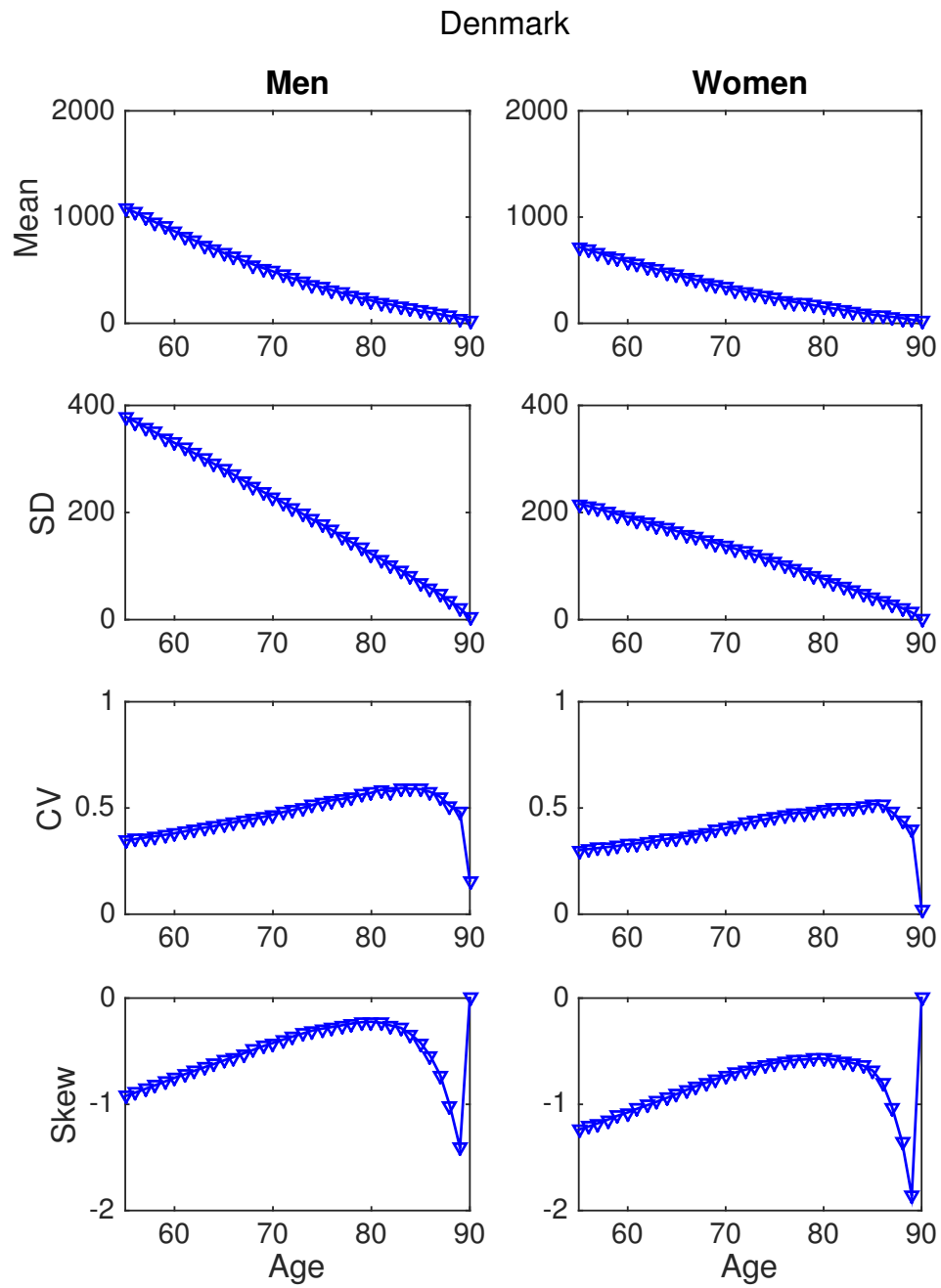


Figure B-4: As in Figure B-1, for Denmark

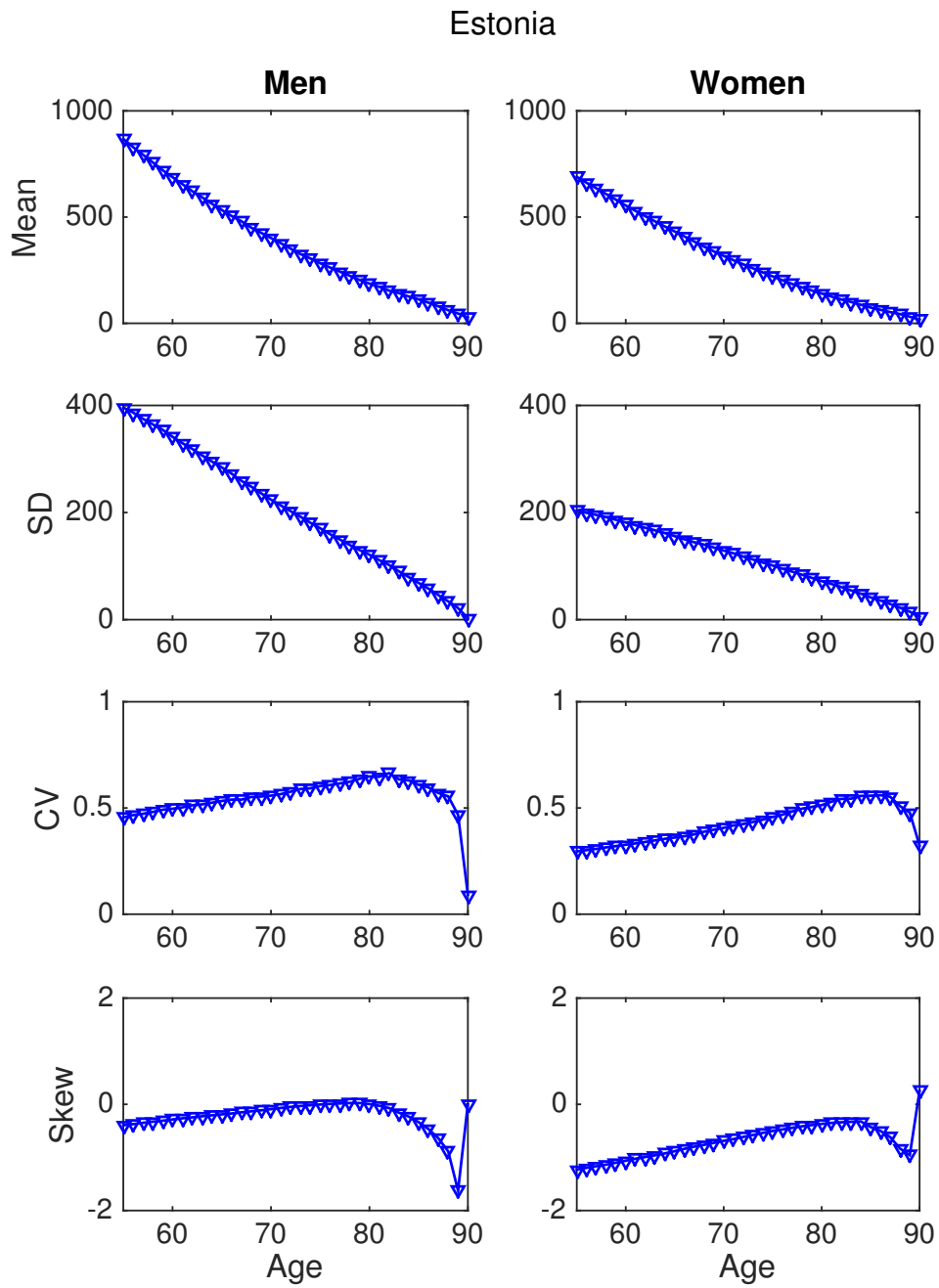


Figure B-5: As in Figure B-1, for Estonia

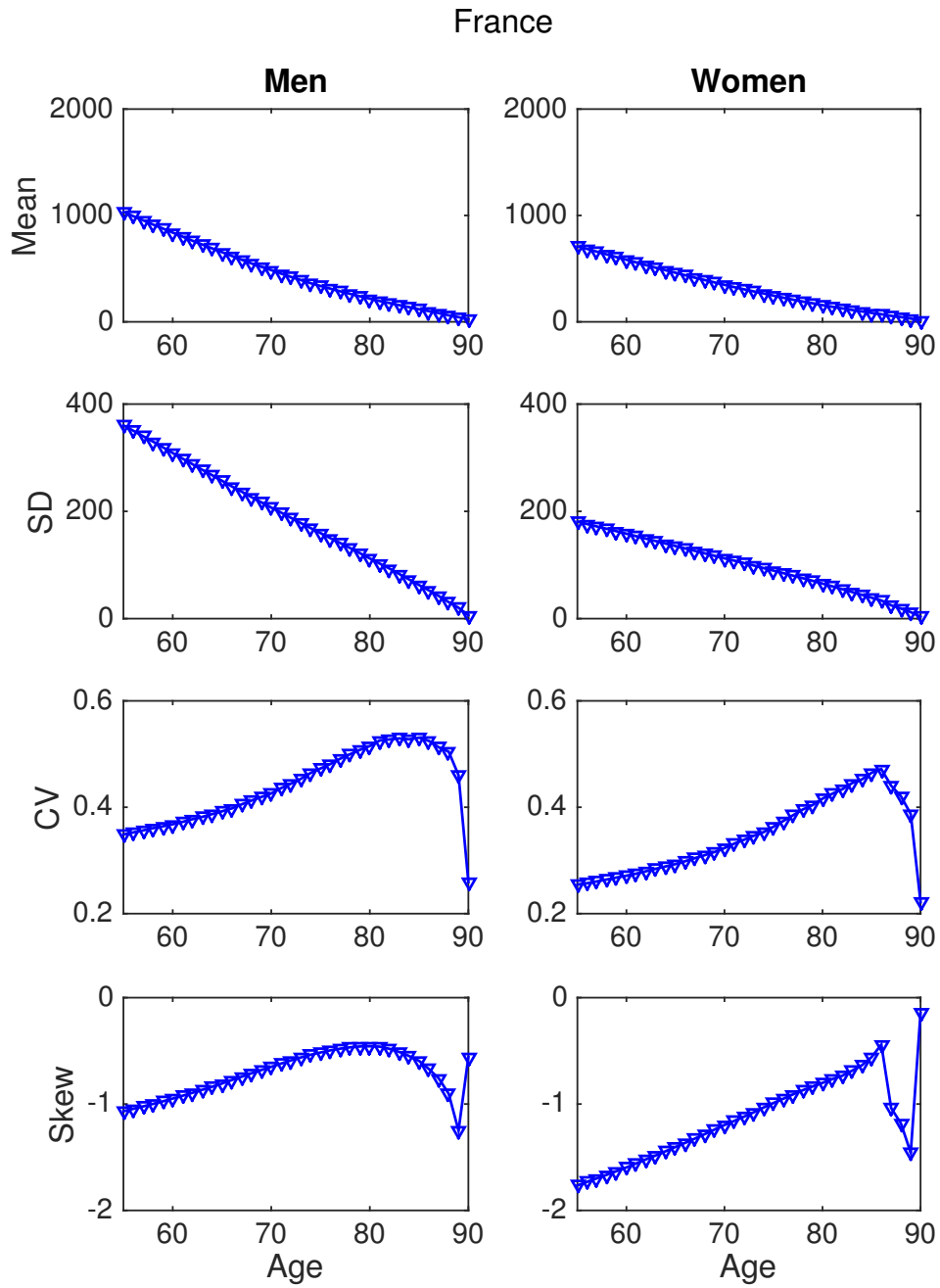


Figure B-6: As in Figure B-1, for France

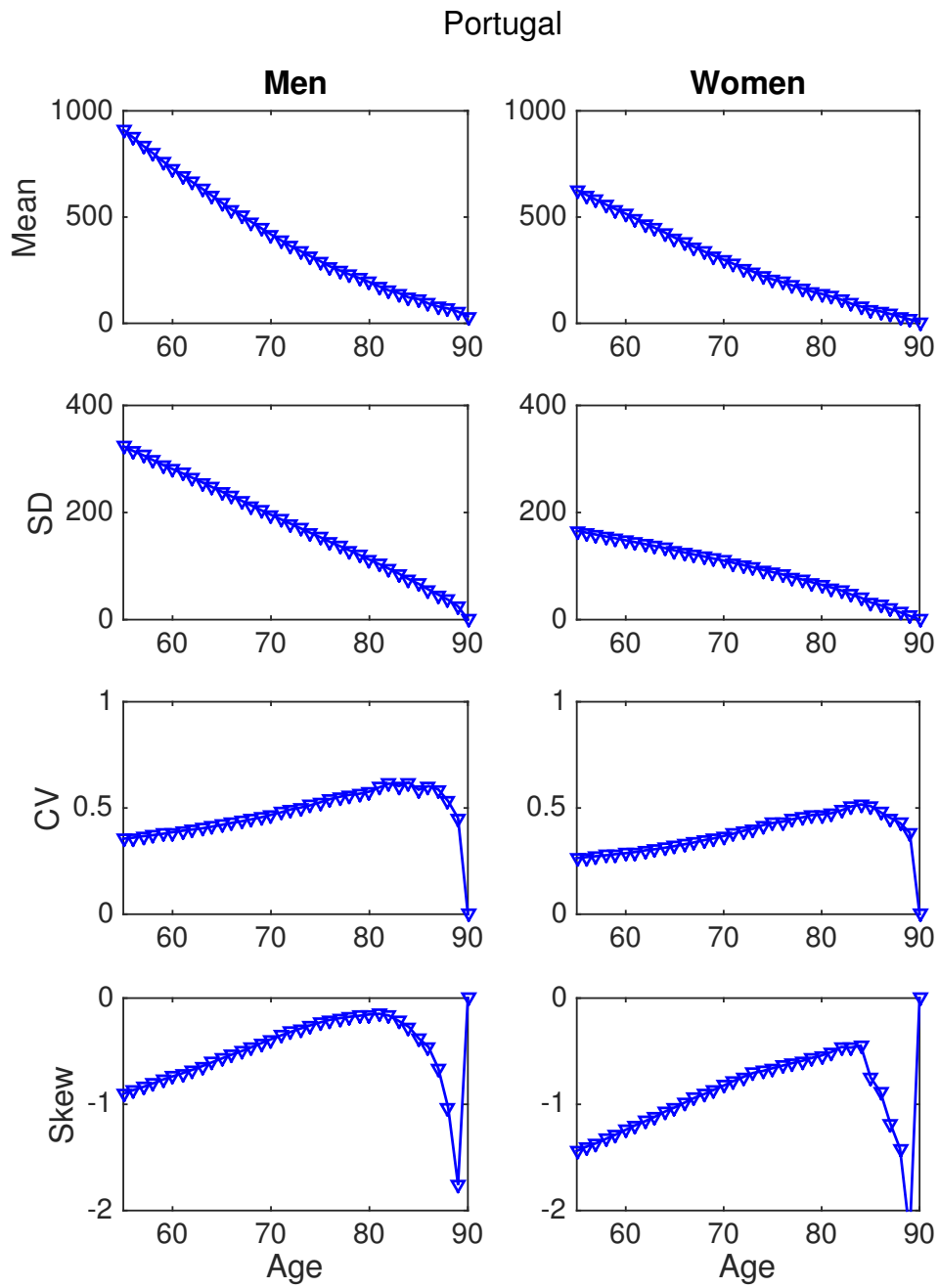


Figure B-7: As in Figure B-1, for Portugal

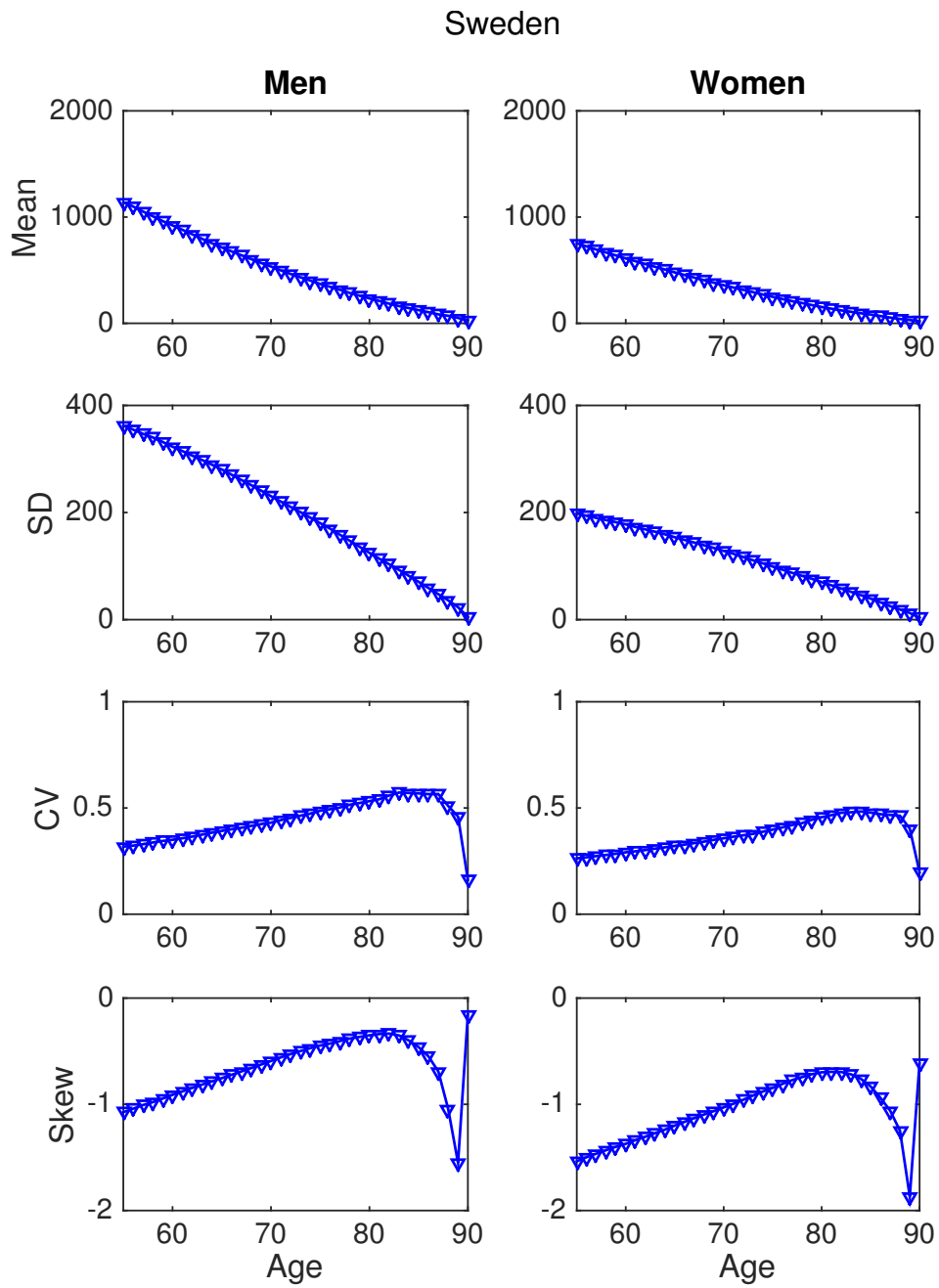


Figure B-8: As in Figure B-1, for Sweden

Switzerland

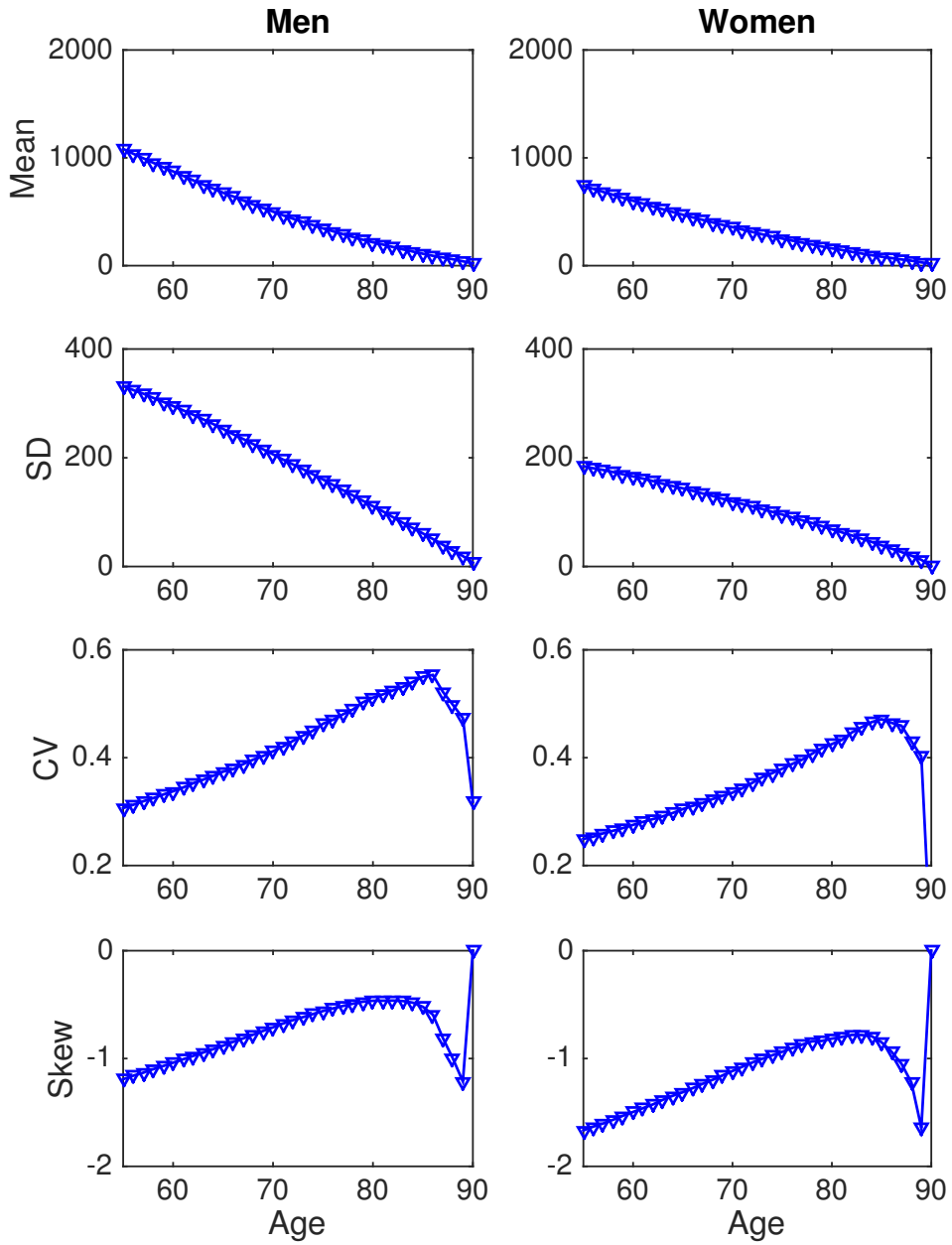


Figure B-9: As in Figure B-1, for Switzerland