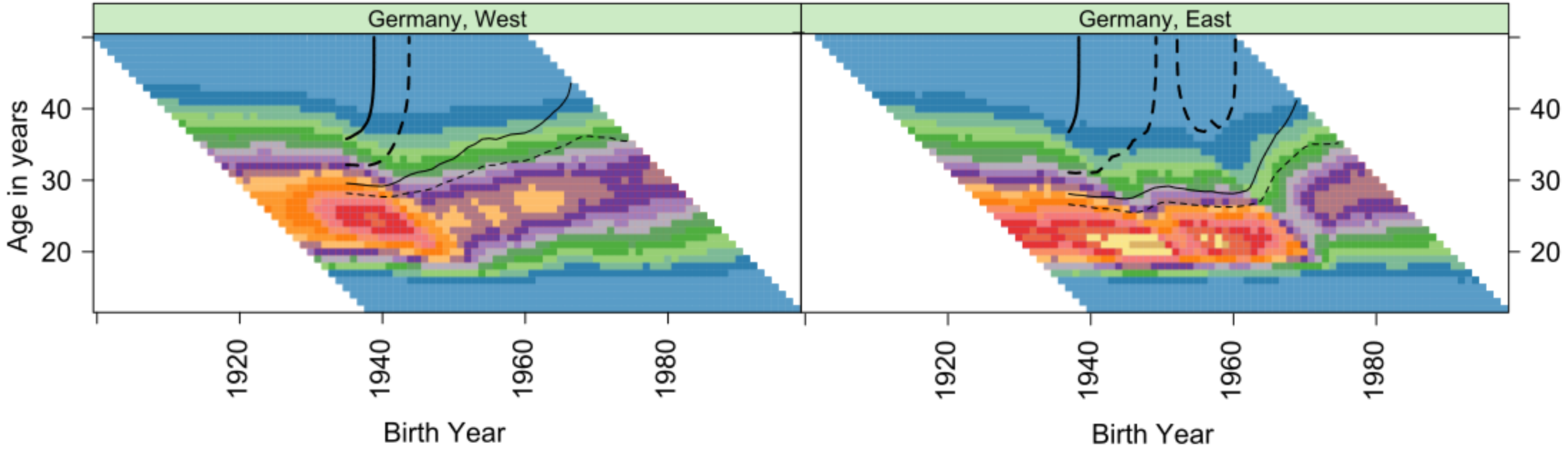
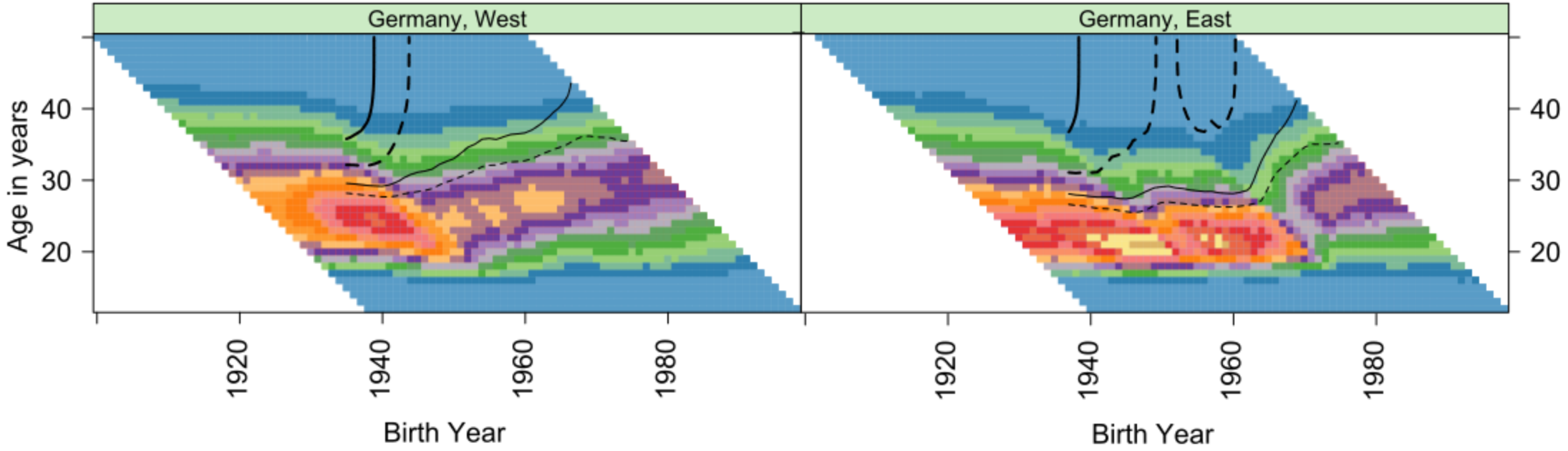
*This figure compares East and West Germany using a common colour scheme*

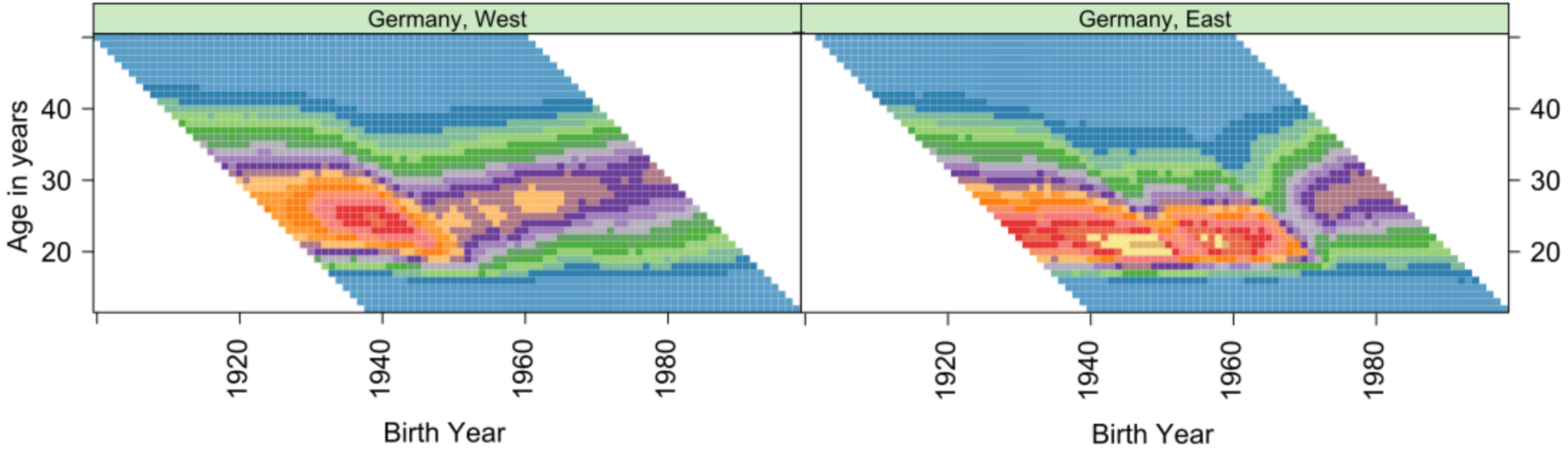


*The subfigure for West Germany has been discussed extensively in the previous figure...*

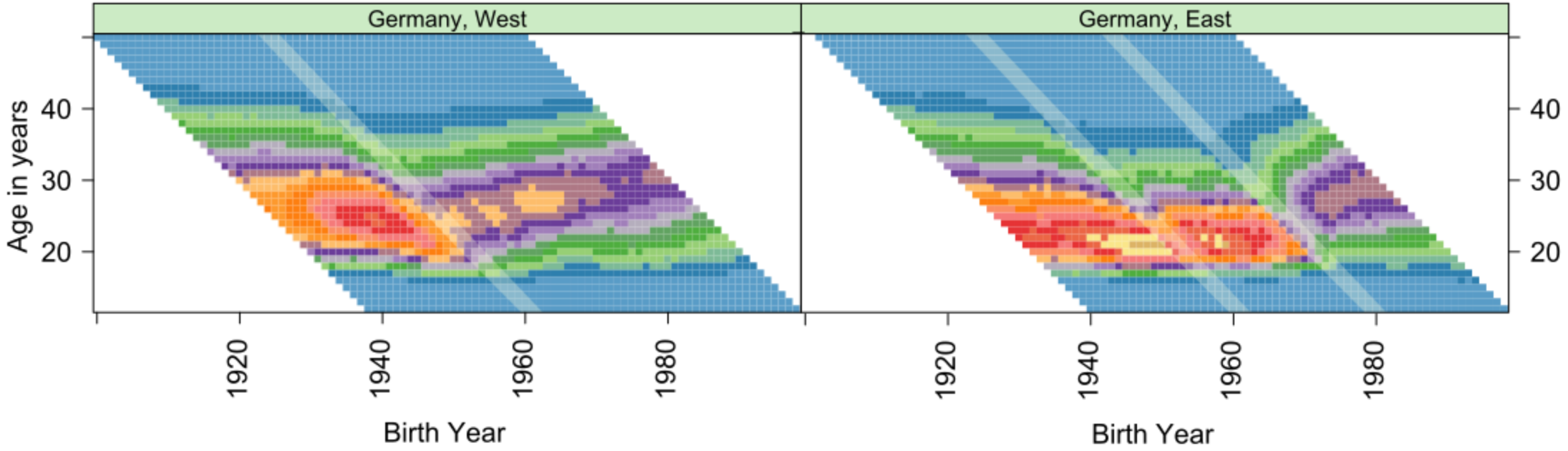
*... so this figure will focus on East Germany, and East/West Germany comparisons*



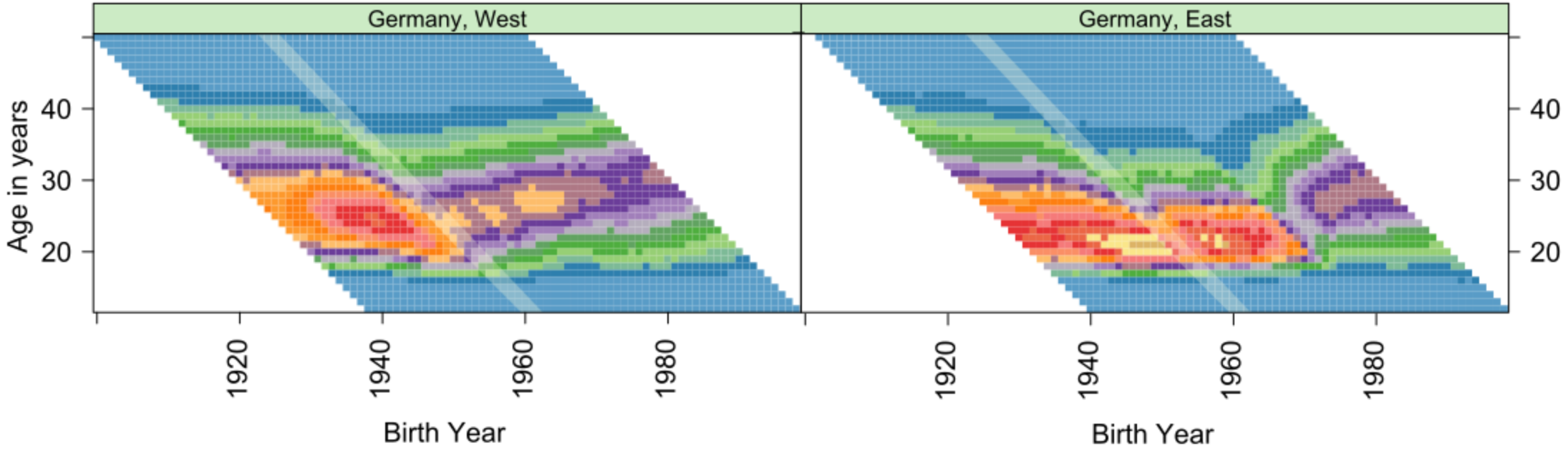
*Let's start by just looking at the cell colours*

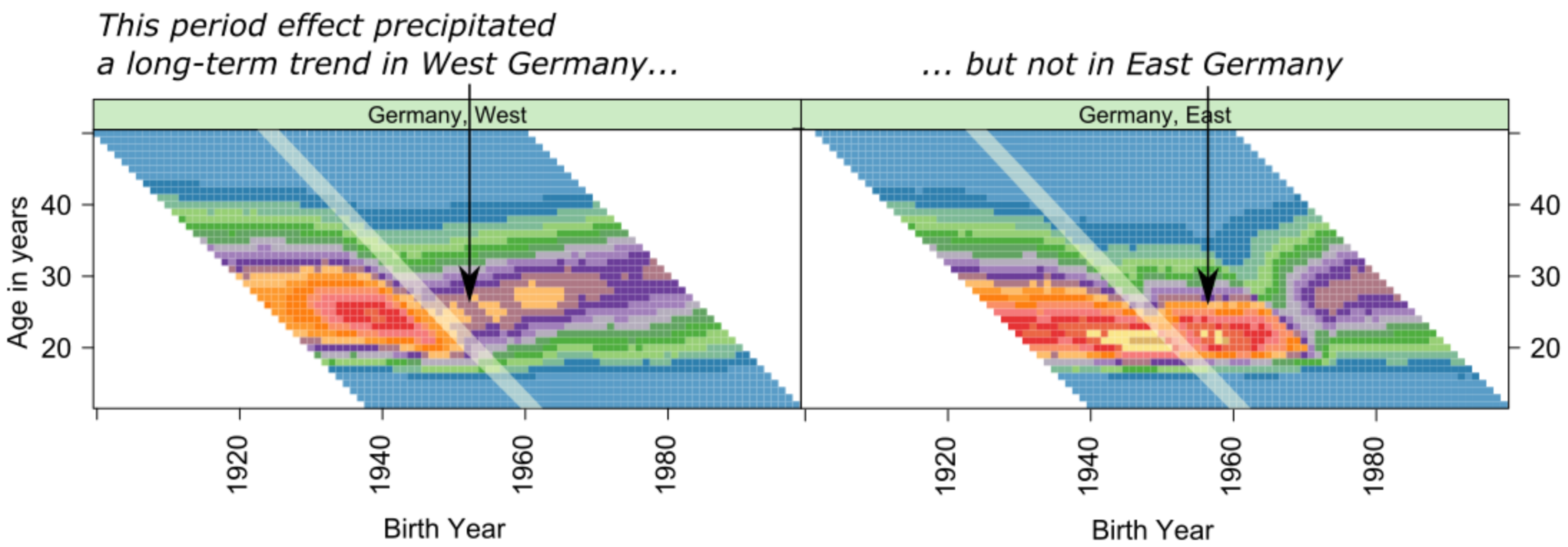


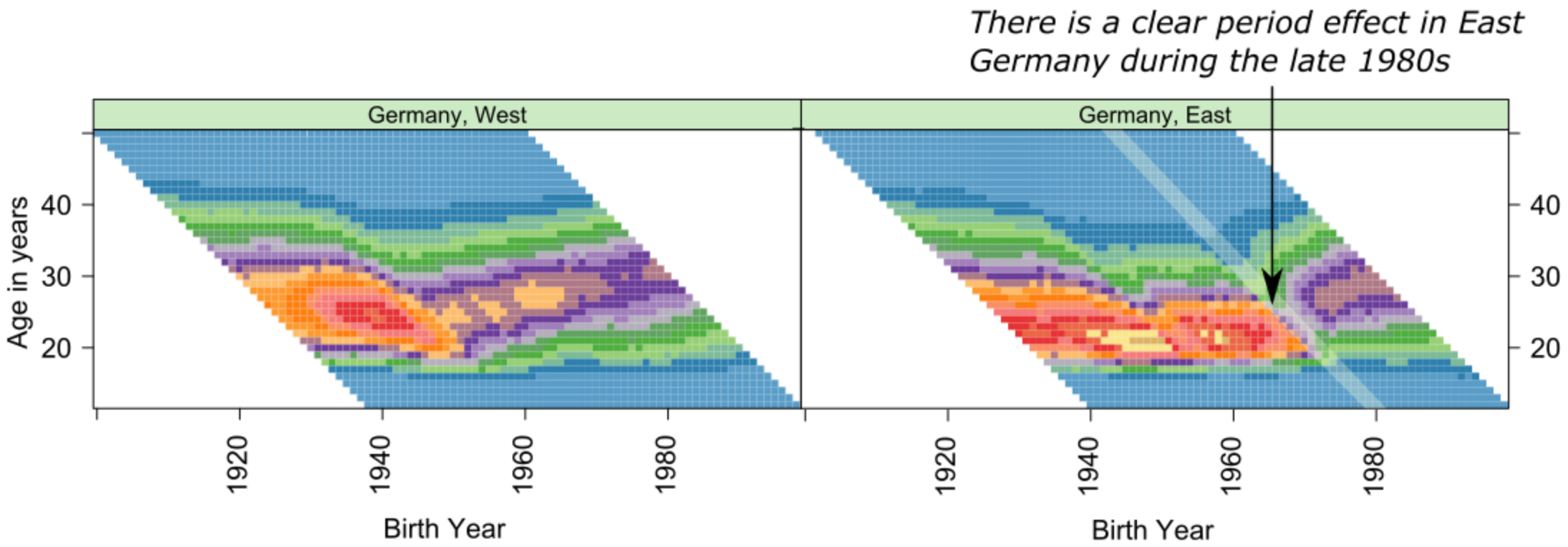
*As the horizontal axis shows cohorts,*
*the up-left diagonals are period effects*



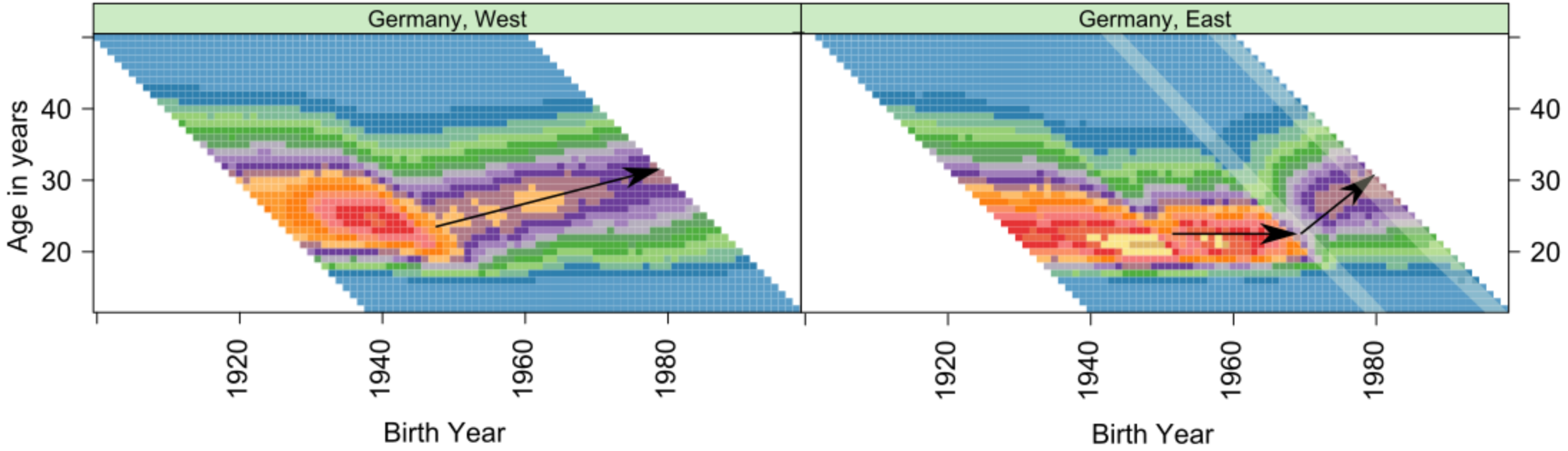
*The first period effect, from the late 1960s, is visible in both West and East Germany*



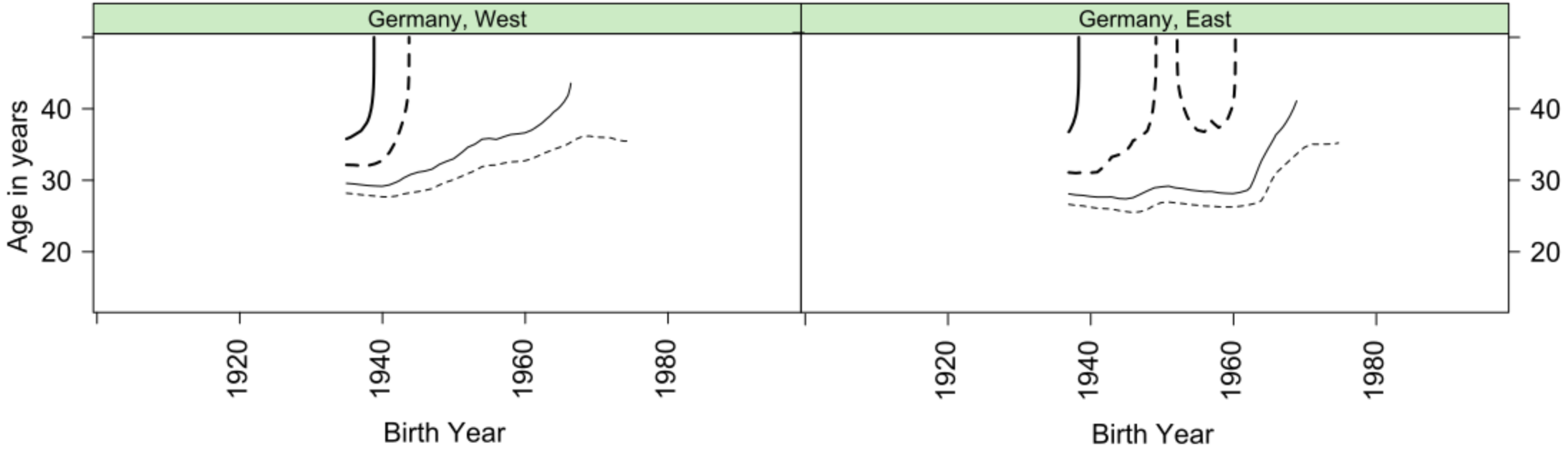

This period effect precipitated
a long-term trend in West Germany...
... but not in East Germany
Germany, West
Germany, East
Age in years
20
30
40
1920
1940
1960
1980
Birth Year


There is a clear period effect in East Germany during the late 1980s
Germany, West
Germany, East
Age in years
40
30
20
1920
1940
1960
1980
Birth Year

*After the late 1980s, age-specific fertility rates in East Germany rapidly converged to those in West Germany*

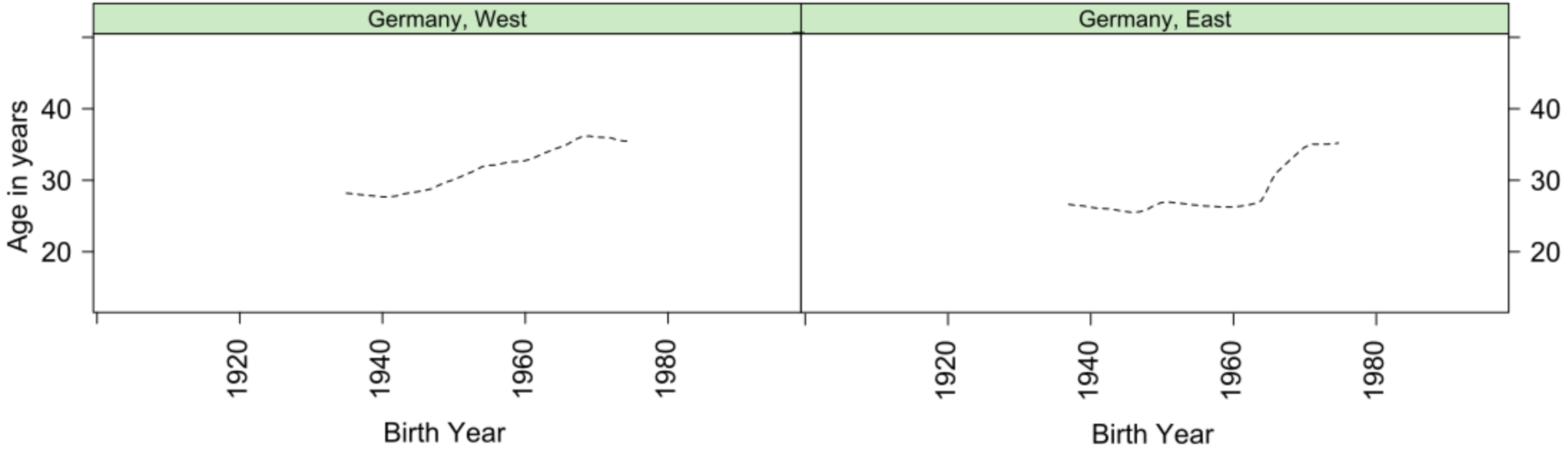


*Now let's look at the contour lines only*



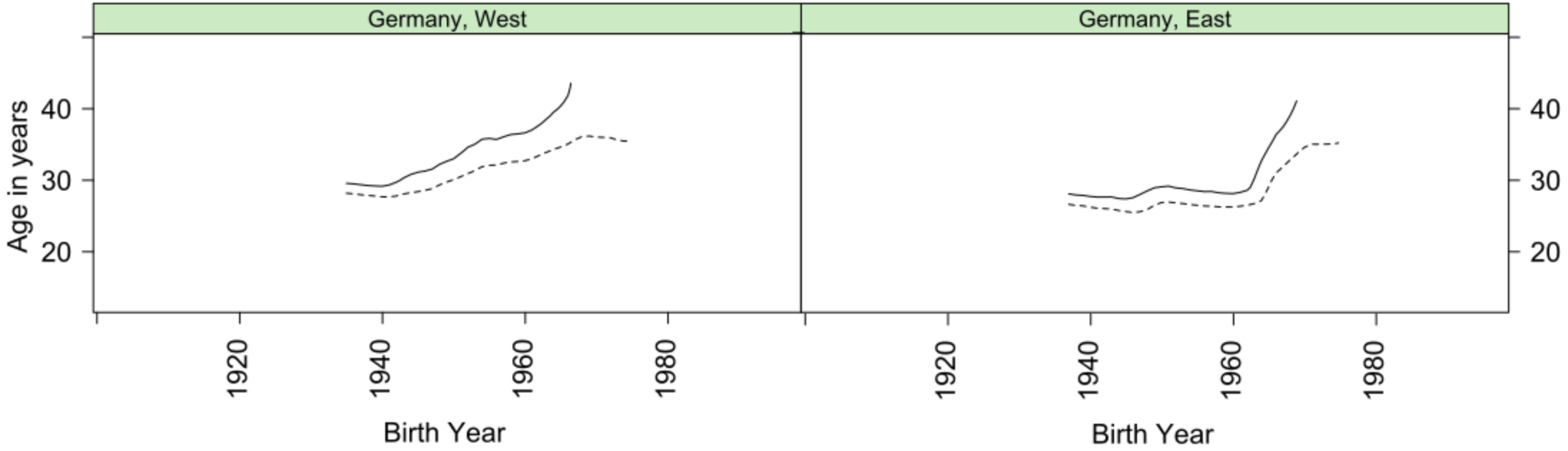
*Now let's look at the contour lines only*

*Here's the 1.3 babies/woman contour...*



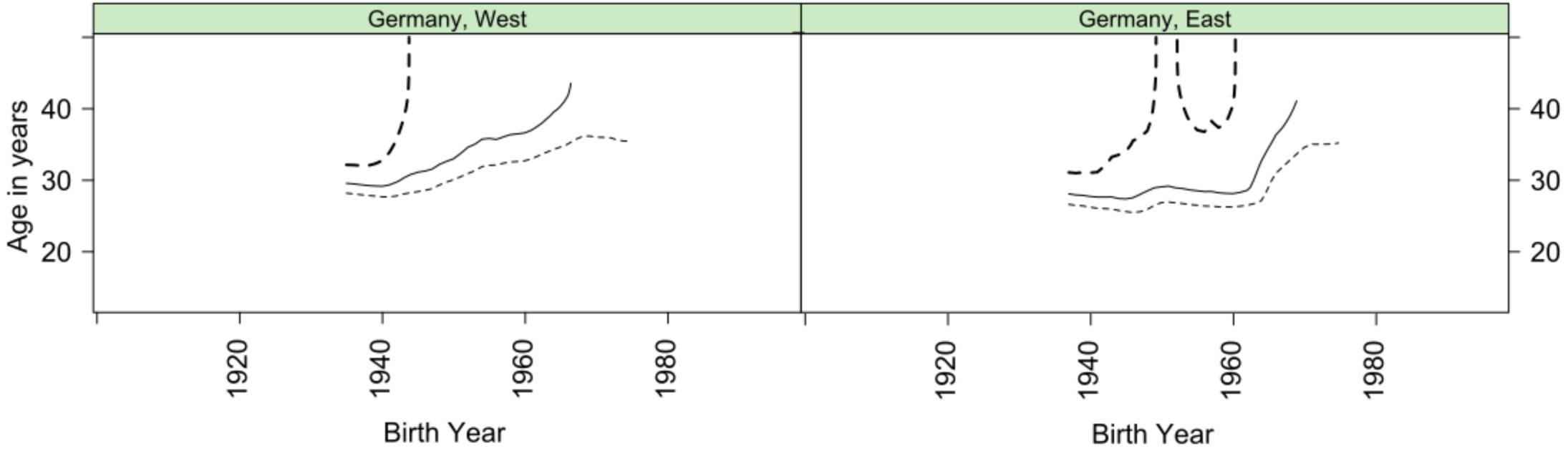
*Now let's look at the contour lines only*

*Here's the 1.3 babies/woman contour... ... 1.5 babies/woman ...*



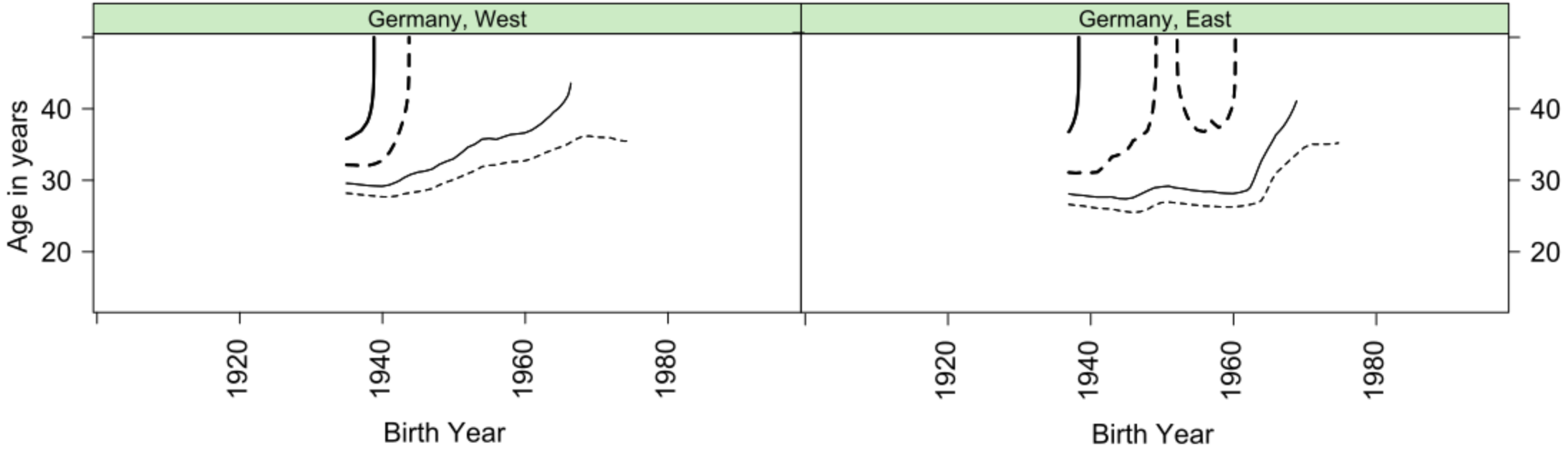
*Now let's look at the contour lines only*

*Here's the 1.3 babies/woman contour... ... 1.5 babies/woman ... ... 1.8 ...*



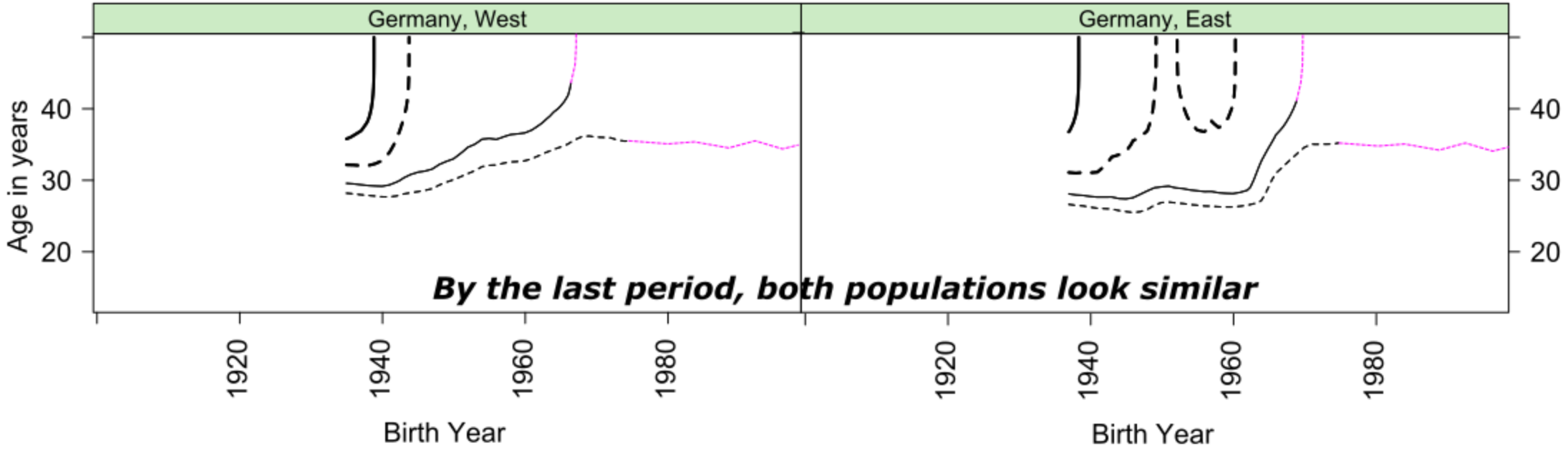
*Now let's look at the contour lines only* **(i.e. replacement)**

*Here's the 1.3 babies/woman contour... ... 1.5 babies/woman ... ... 1.8 ... ... and 2.05*



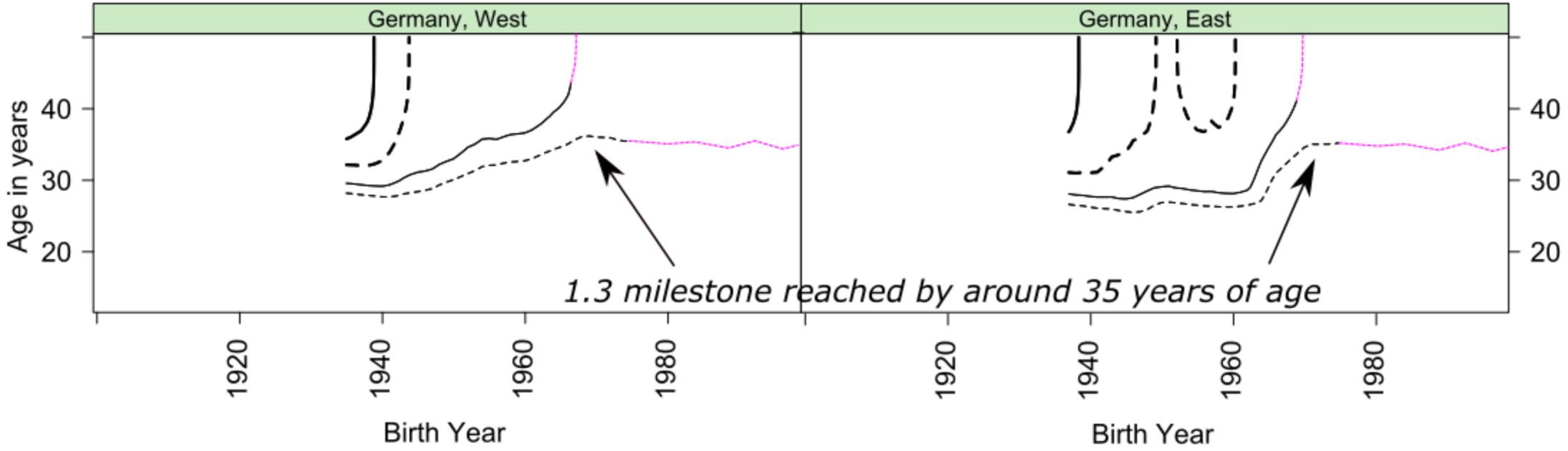
*Now let's look at the contour lines only* **(i.e. replacement)**

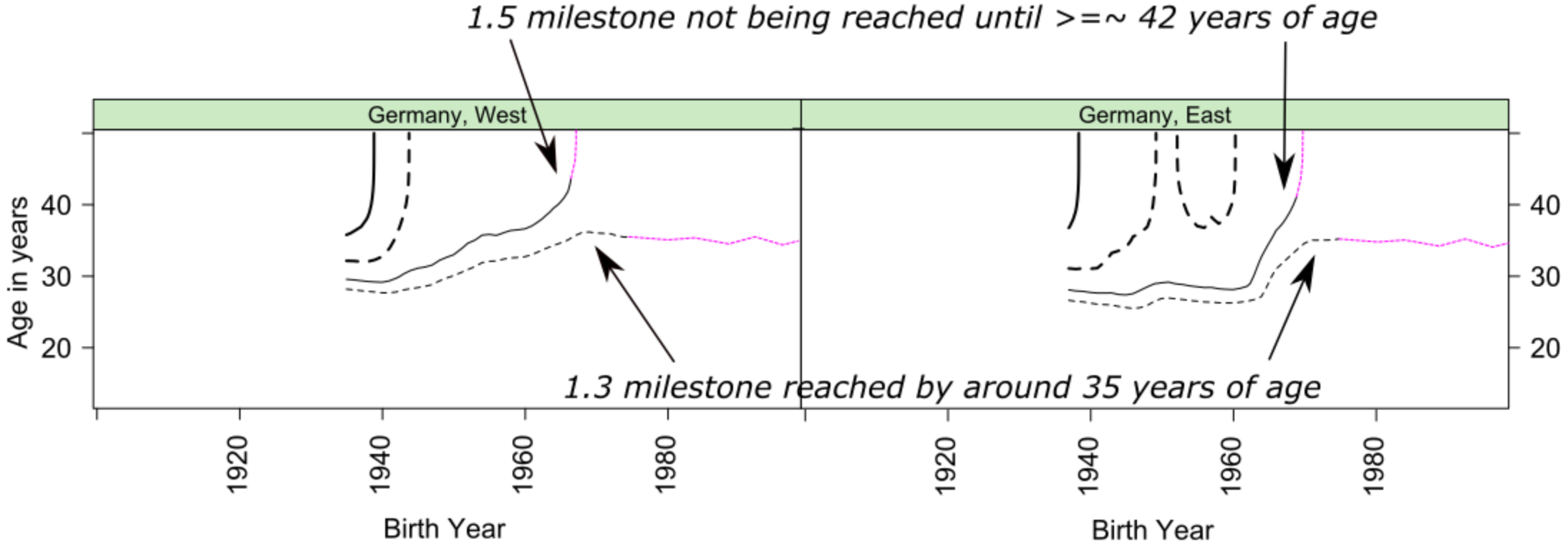
*Here's the 1.3 babies/woman contour... ... 1.5 babies/woman ... ... 1.8 ... ... and 2.05*

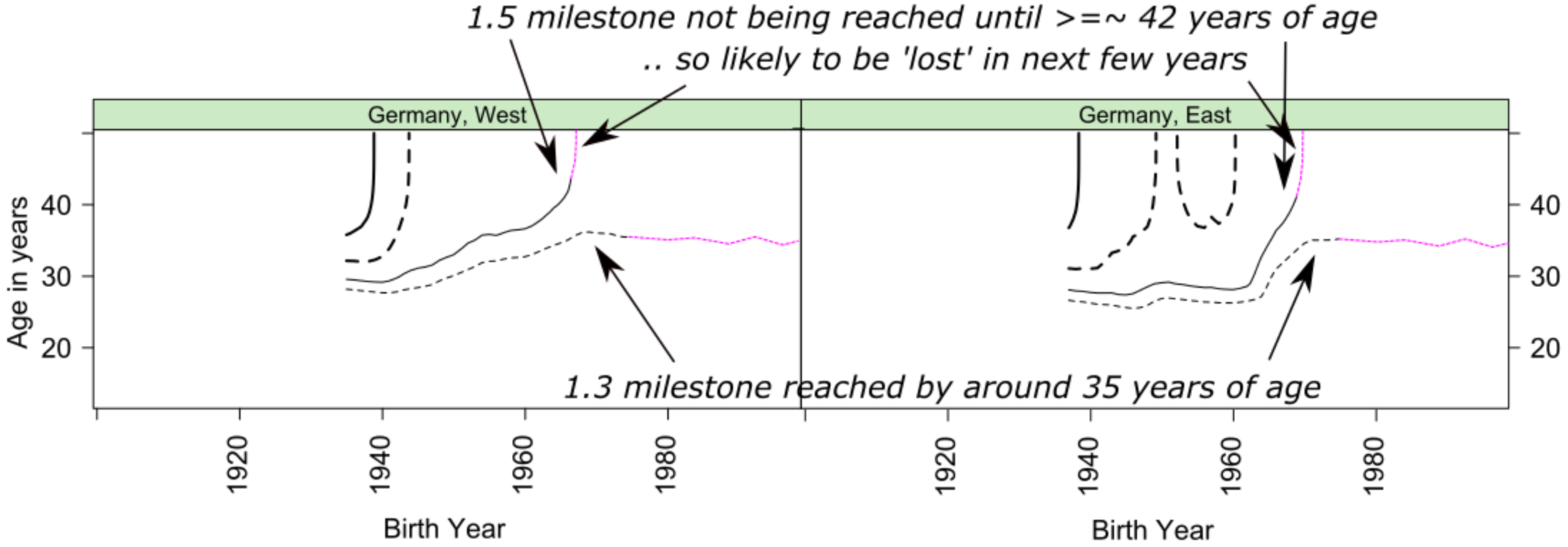


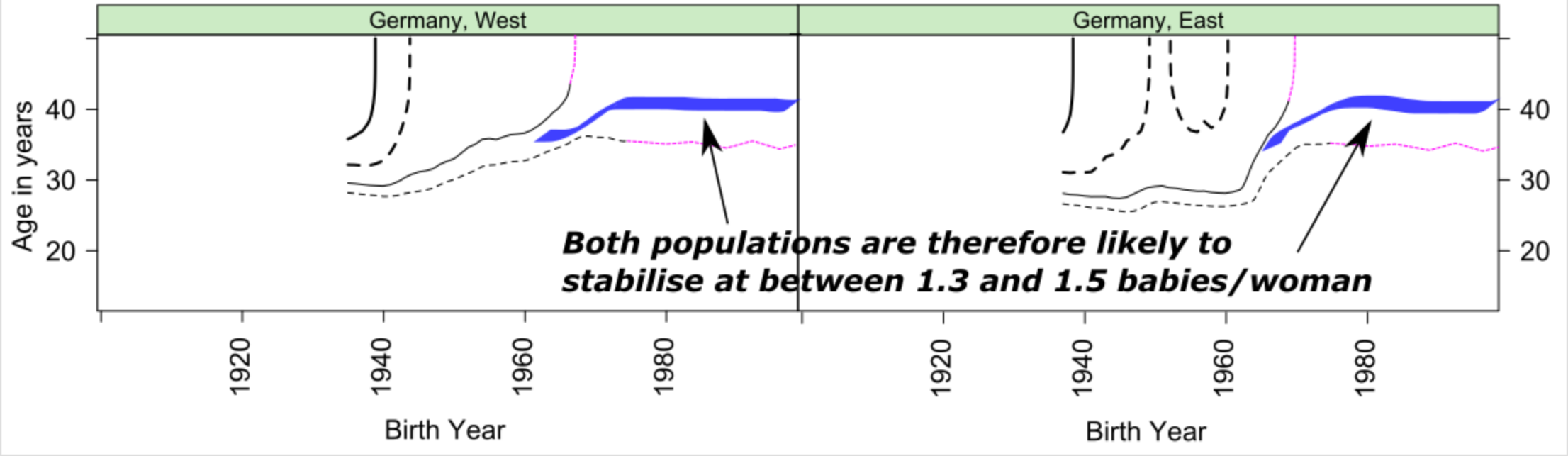
*Now let's look at the contour lines only* **(i.e. replacement)**

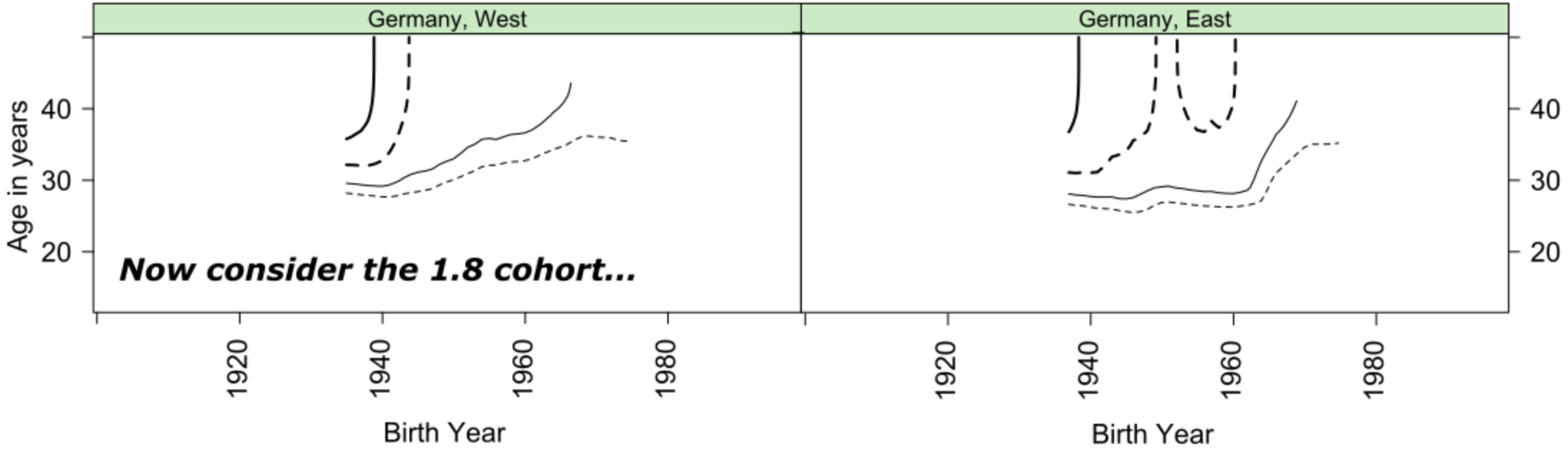
*Here's the 1.3 babies/woman contour... ... 1.5 babies/woman ... ... 1.8 ... ... and 2.05*

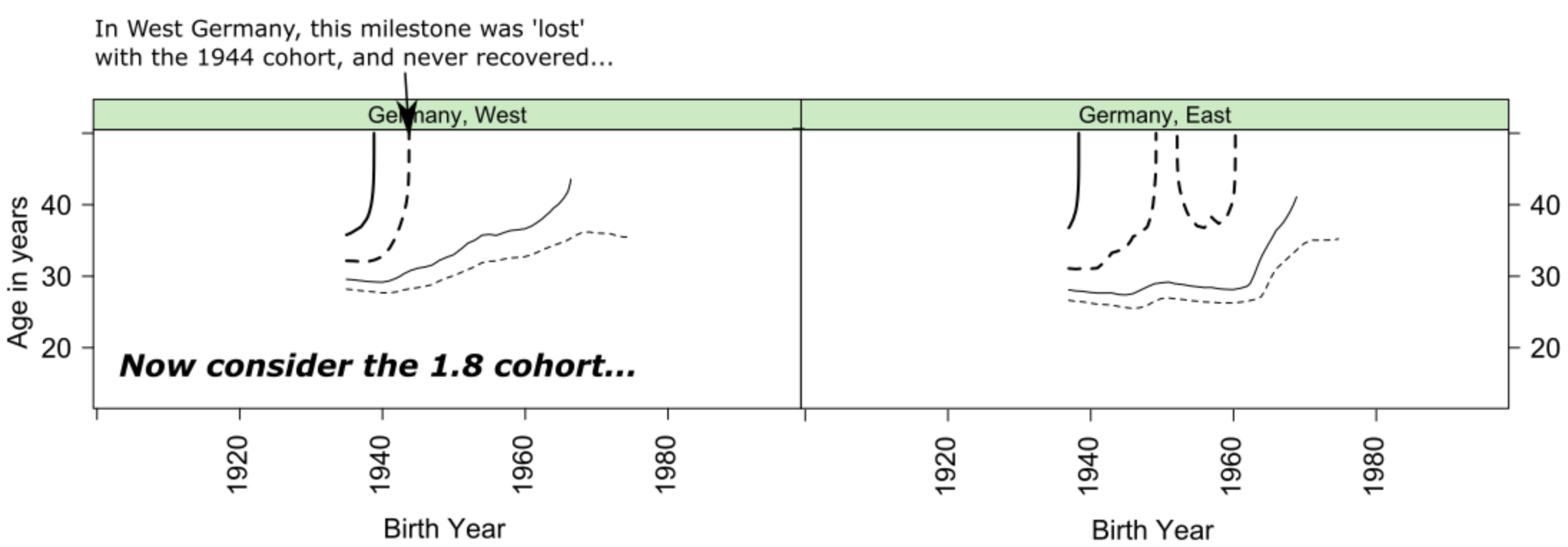


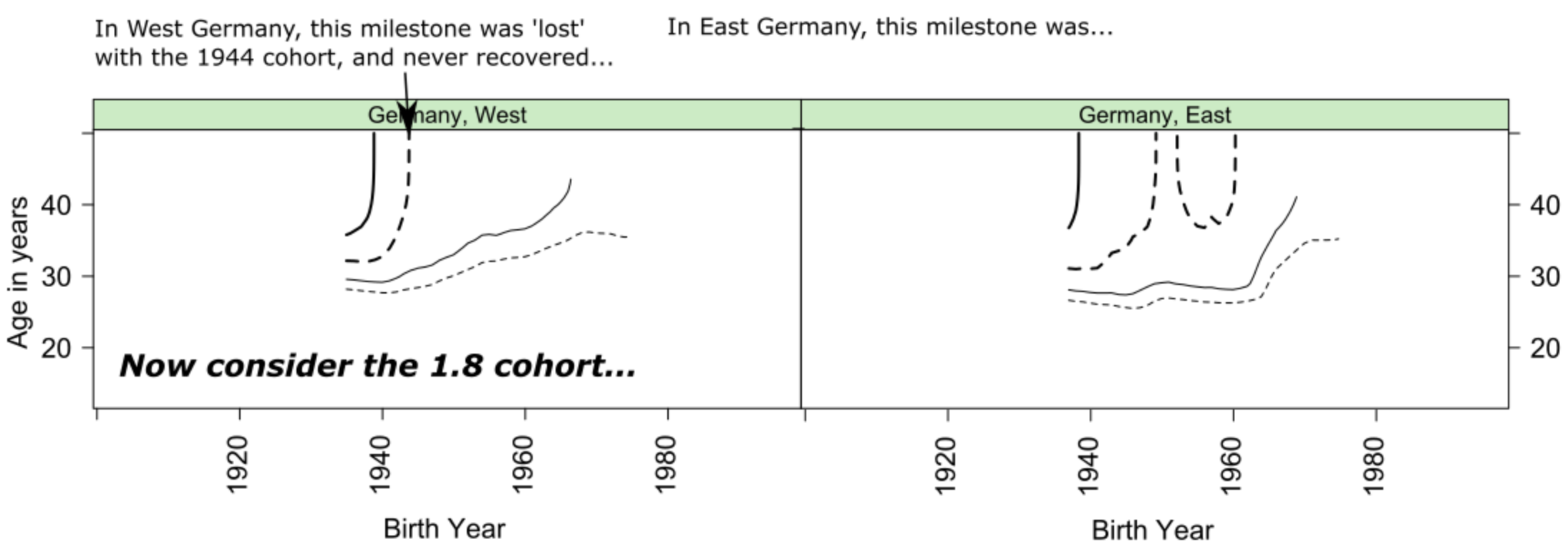

1.5 milestone not being reached until >=~ 42 years of age
Germany, West
Germany, East
Age in years
40
30
20
1.3 milestone reached by around 35 years of age
1920
1940
1960
1980
Birth Year

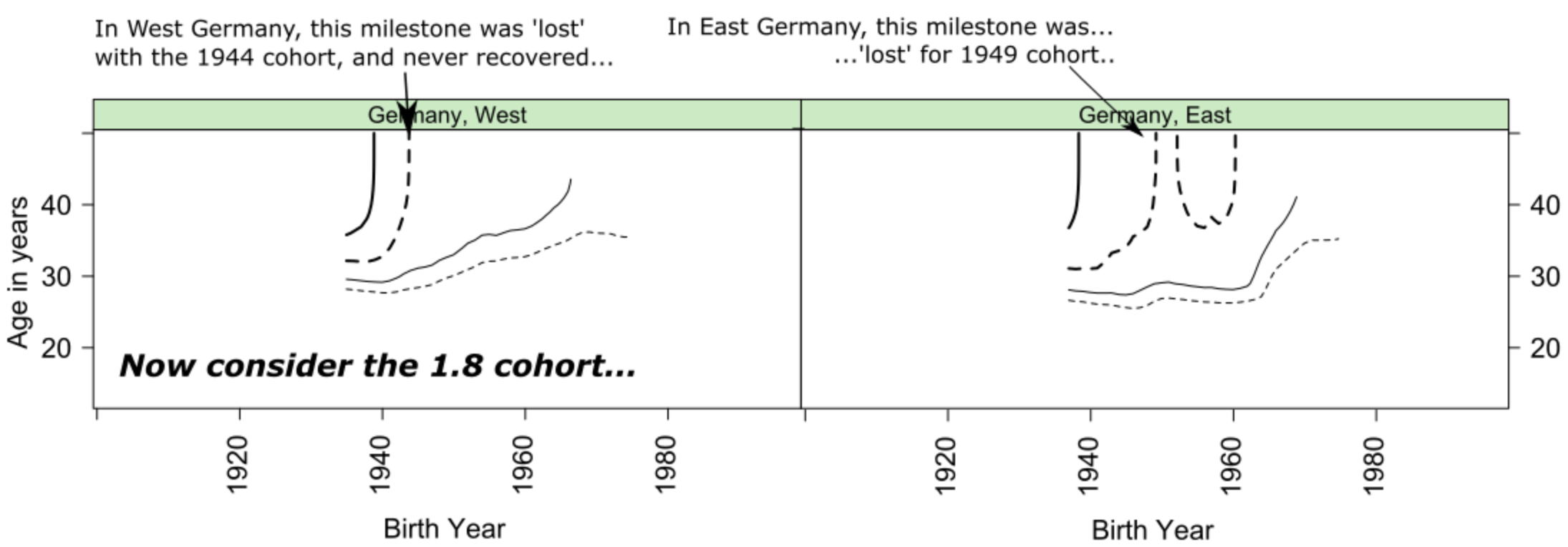

1.5 milestone not being reached until >=~ 42 years of age
.. so likely to be 'lost' in next few years
Germany, West
Germany, East
Age in years
40
30
20
1.3 milestone reached by around 35 years of age
1920
1940
1960
1980
Birth Year

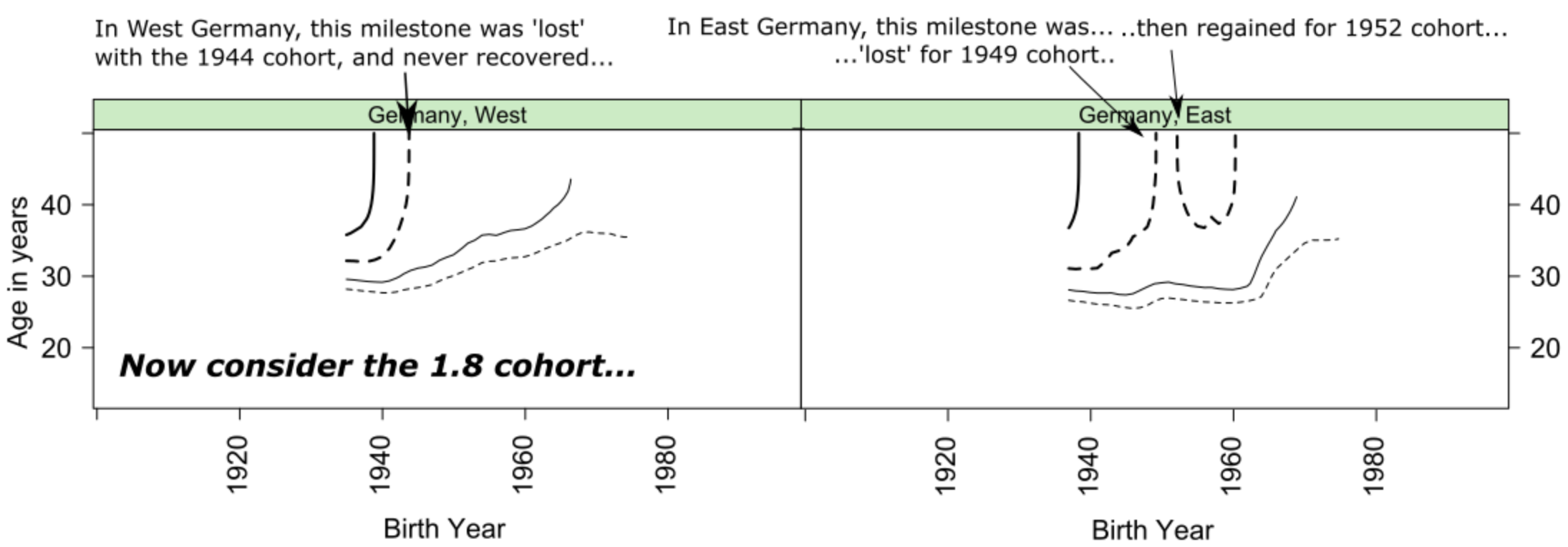

Germany, West
Germany, East
Age in years
40
30
20
1920
1940
1960
1980
Birth Year
Both populations are therefore likely to
stabilise at between 1.3 and 1.5 babies/woman

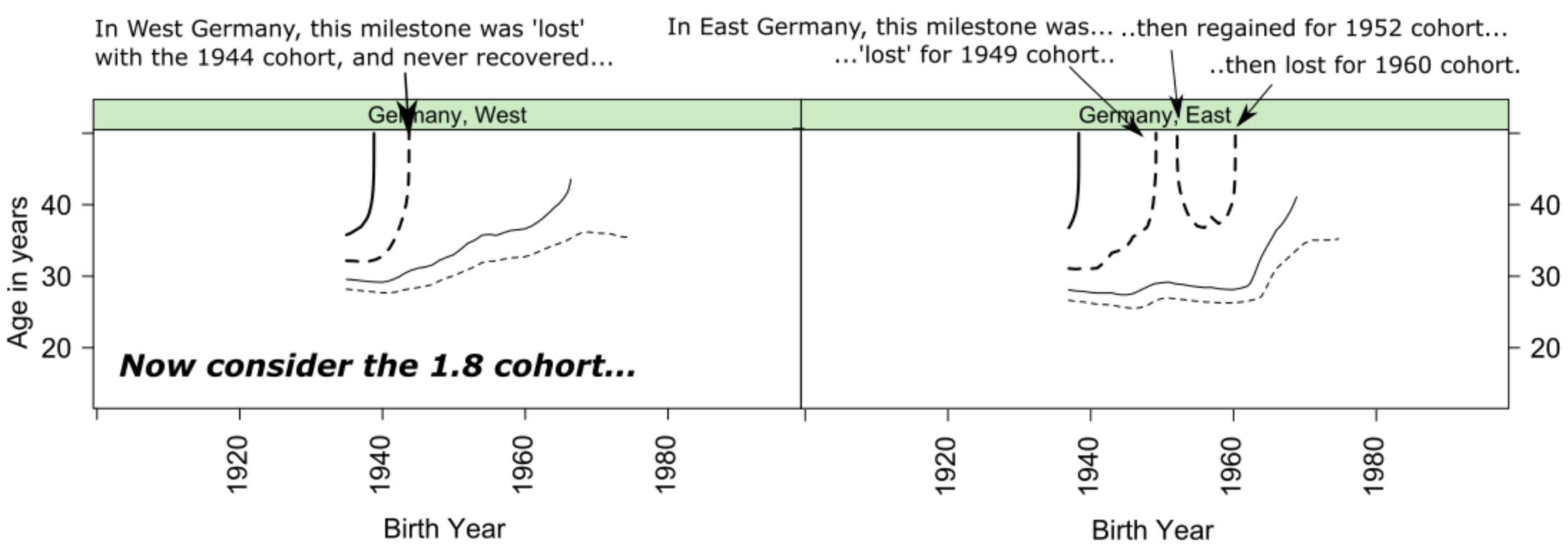

Germany, West
Germany, East
Age in years
40
30
20
Now consider the 1.8 cohort...
1920
1940
1960
1980
Birth Year


In West Germany, this milestone was 'lost'
with the 1944 cohort, and never recovered...
Germany, West
Germany, East
Age in years
40
30
20
Now consider the 1.8 cohort...
1920
1940
1960
1980
Birth Year

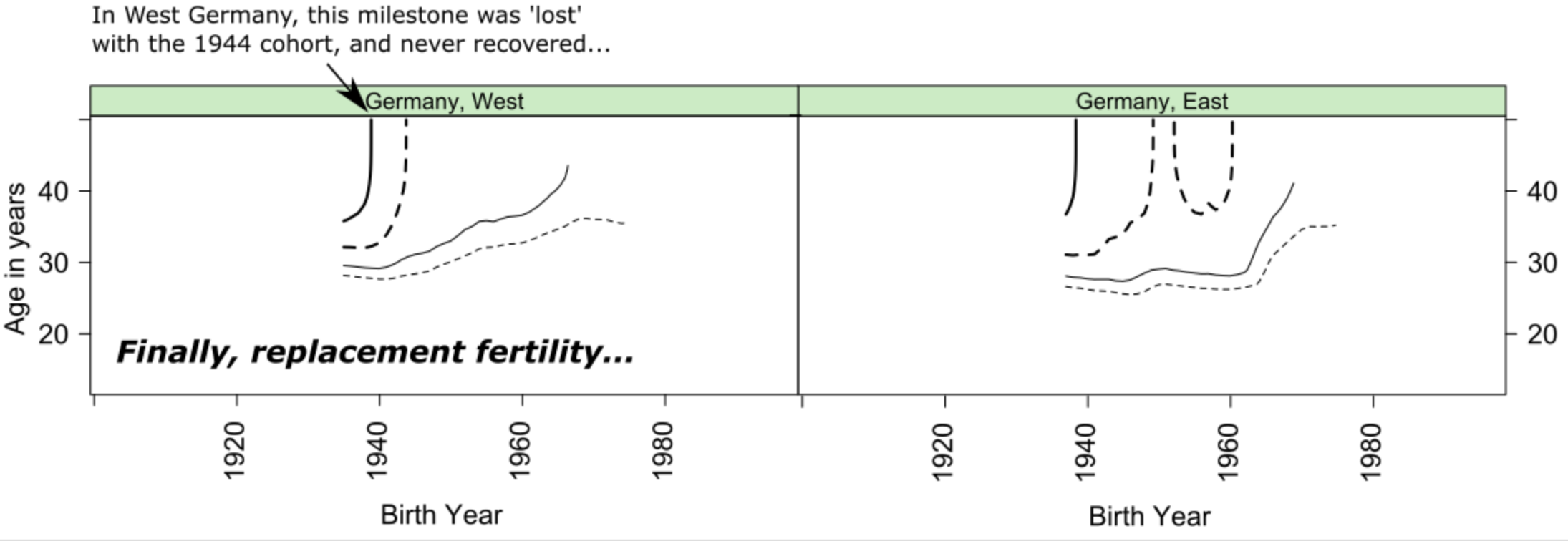

In West Germany, this milestone was 'lost'
with the 1944 cohort, and never recovered...
In East Germany, this milestone was...
Germany, West
Germany, East
Age in years
40
30
20
Now consider the 1.8 cohort...
1920
1940
1960
1980
Birth Year

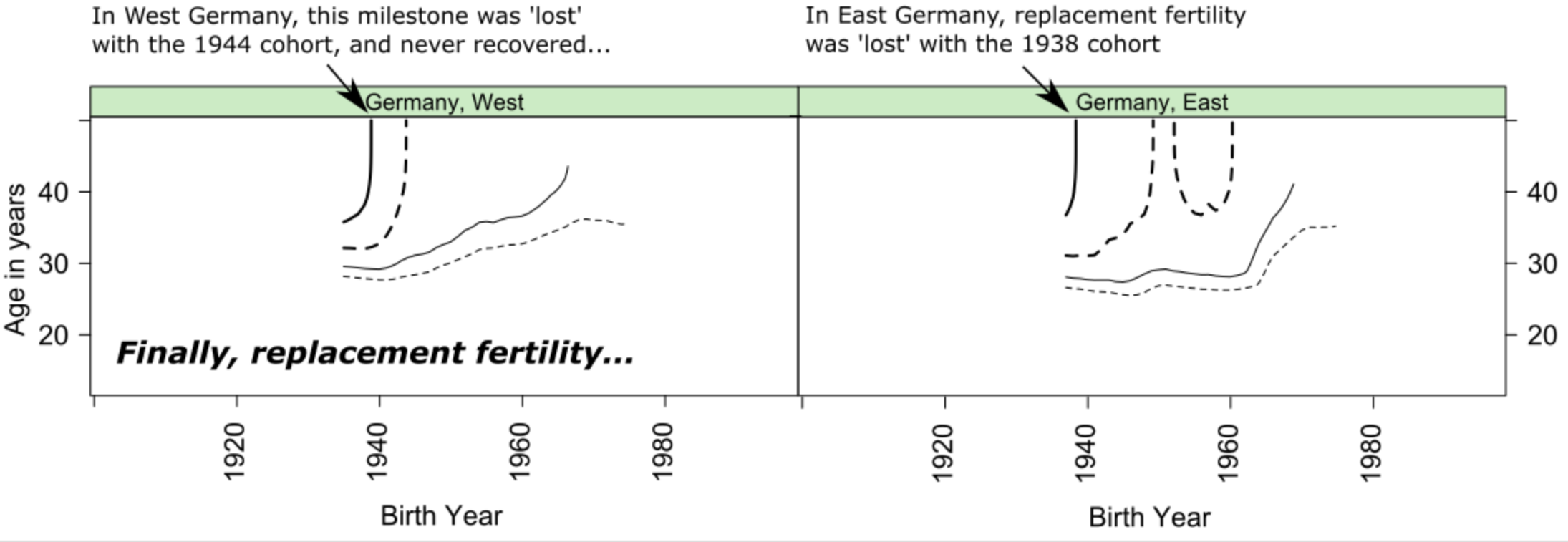

In West Germany, this milestone was 'lost'
with the 1944 cohort, and never recovered...
In East Germany, this milestone was...
...'lost' for 1949 cohort..
Germany, West
Germany, East
Age in years
40
30
20
Now consider the 1.8 cohort...
1920
1940
1960
1980
Birth Year


In West Germany, this milestone was 'lost'
with the 1944 cohort, and never recovered...
In East Germany, this milestone was... ..then regained for 1952 cohort...
...'lost' for 1949 cohort..
Germany, West
Germany, East
Age in years
40
30
20
Now consider the 1.8 cohort...
1920
1940
1960
1980
Birth Year

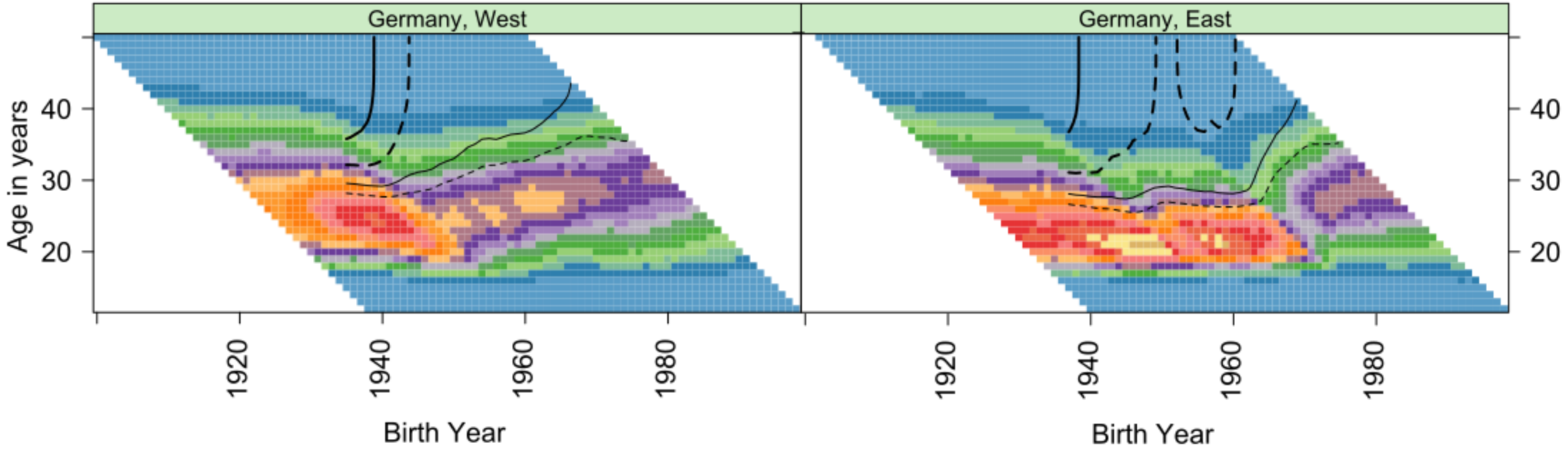

In West Germany, this milestone was 'lost'
with the 1944 cohort, and never recovered...
In East Germany, this milestone was... ..then regained for 1952 cohort...
...'lost' for 1949 cohort..
..then lost for 1960 cohort.
Germany, West
Germany, East
Age in years
40
30
20
Now consider the 1.8 cohort...
1920
1940
1960
1980
Birth Year


Germany, West
Germany, East
Age in years
40
30
20
Finally, replacement fertility...
1920
1940
1960
1980
Birth Year

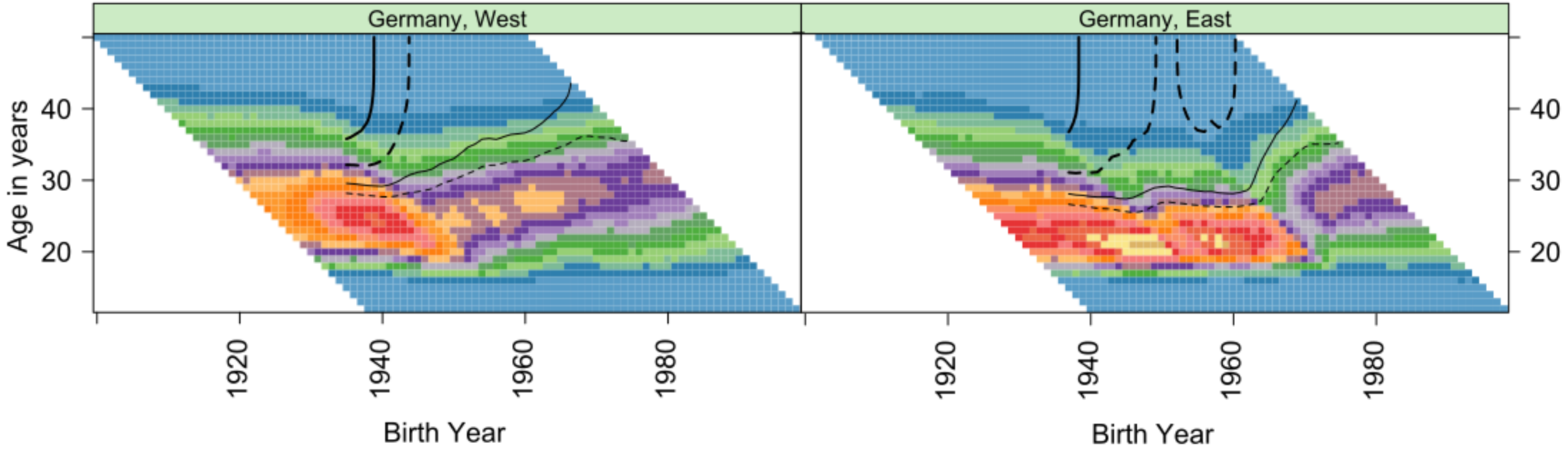

In West Germany, this milestone was 'lost'
with the 1944 cohort, and never recovered...
Germany, West
Germany, East
Age in years
40
30
20
Finally, replacement fertility...
1920
1940
1960
1980
Birth Year


In West Germany, this milestone was 'lost'
with the 1944 cohort, and never recovered...
In East Germany, replacement fertility
was 'lost' with the 1938 cohort
Germany, West
Germany, East
Age in years
40
30
20
Finally, replacement fertility...
1920
1940
1960
1980
Birth Year

*When both cells and contours are visible it's easier to see the associations between age-specific fertility and cumulative fertility milestones..*

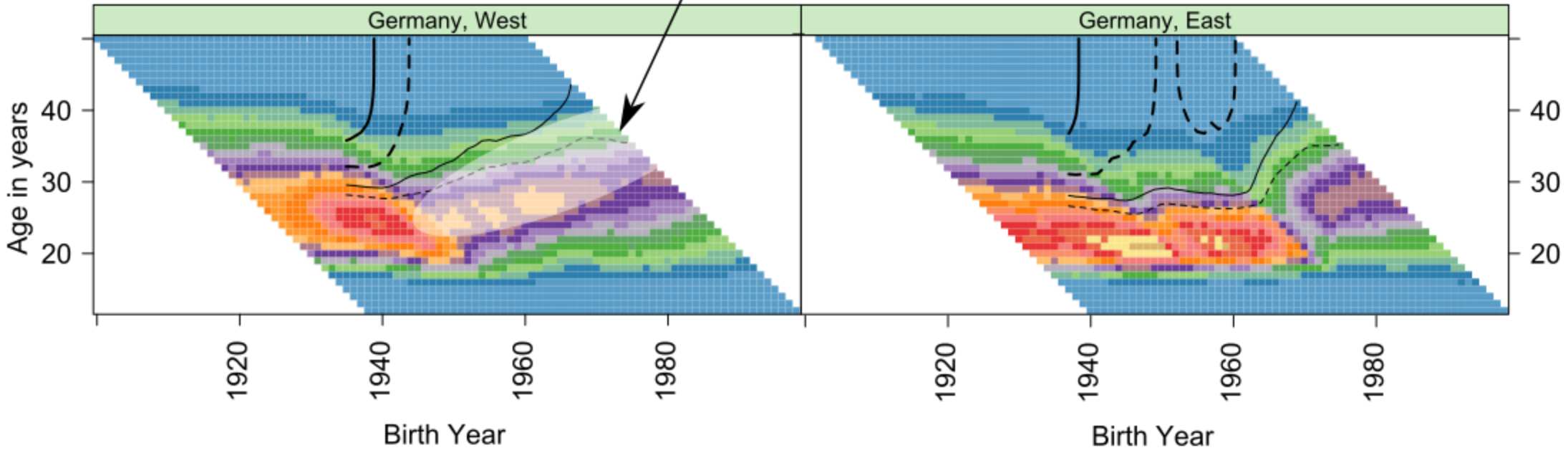


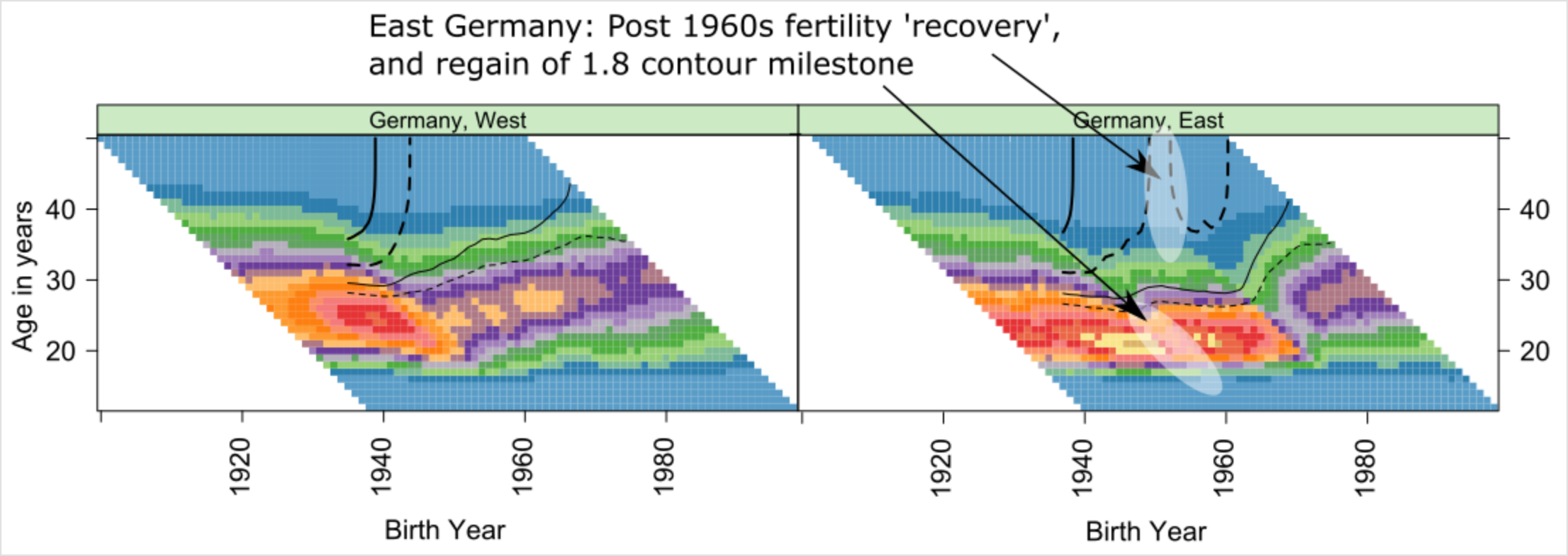
*For example...*

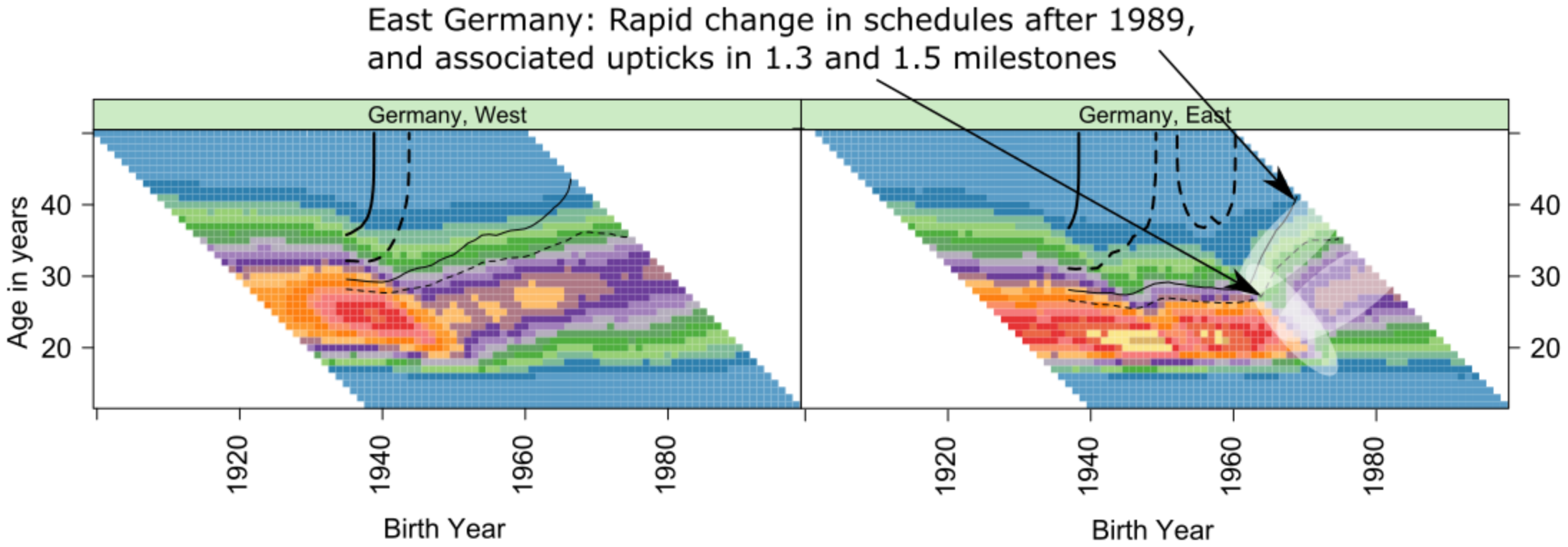

Germany, West
Germany, East
Age in years
40
30
20
1920
1940
1960
1980
Birth Year

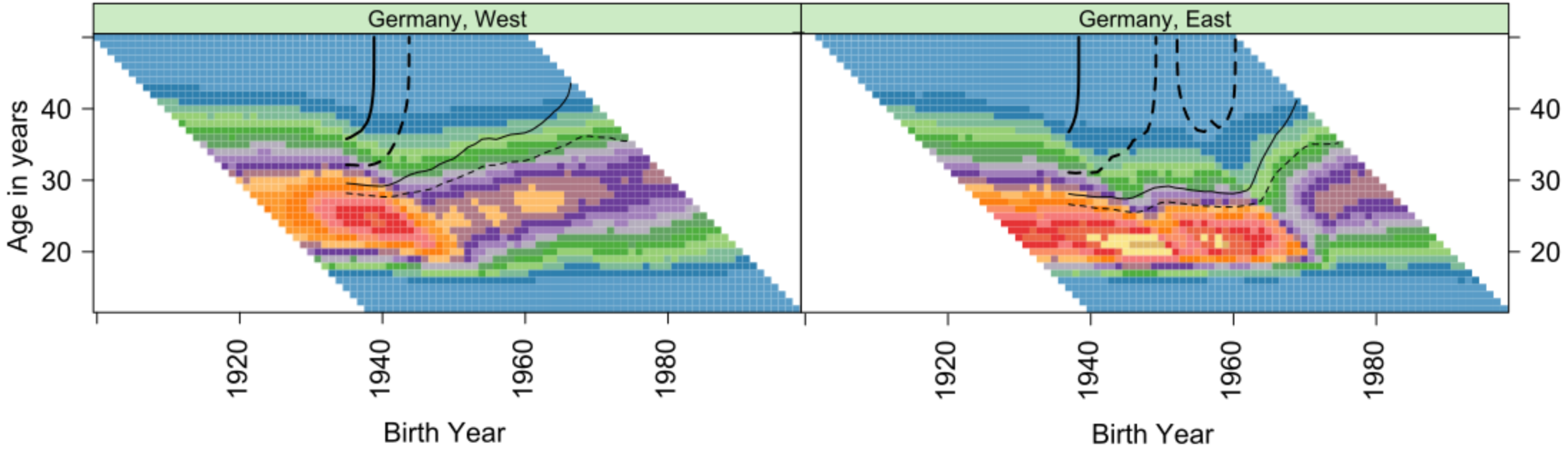
*For example...*

West Germany: increasing age of peak fertility,
and upwards trend in 1.3/1.5 milestones




East Germany: Post 1960s fertility 'recovery',
and regain of 1.8 contour milestone
Germany, West
Germany, East
Age in years
40
30
20
1920
1940
1960
1980
Birth Year


East Germany: Rapid change in schedules after 1989,
and associated upticks in 1.3 and 1.5 milestones
Germany, West
Germany, East
Age in years
40
30
20
1920
1940
1960
1980
Birth Year


Germany, West
Germany, East
Age in years
40
30
20
1920
1940
1960
1980
Birth Year