

# Net-Migration in the Human Mortality Database and related mortality databases.

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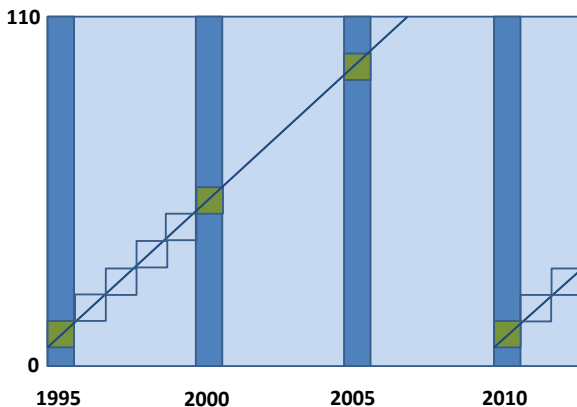
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University of Southern Denmark

Recent Trends and Future Uncertainties in Longevity  
The 5th Human Mortality Database Symposium  
Berlin, 13<sup>th</sup>–15<sup>th</sup> May, 2019

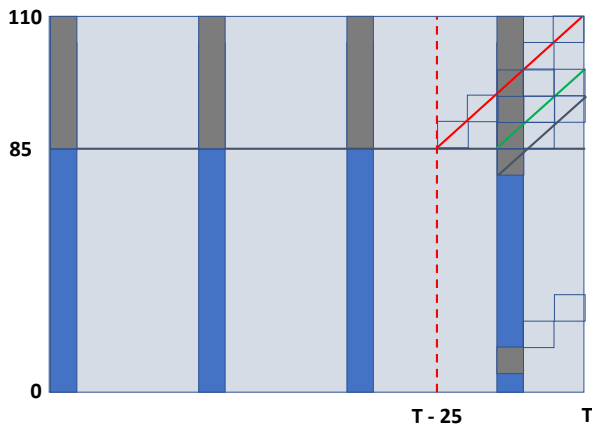
# Outline

- 1 Building the Exposure Denominators**
- 2 Uniform Migration Assumption
- 3 Examples: Exposure versus a Benchmark
- 4 Examples: Net-Migration

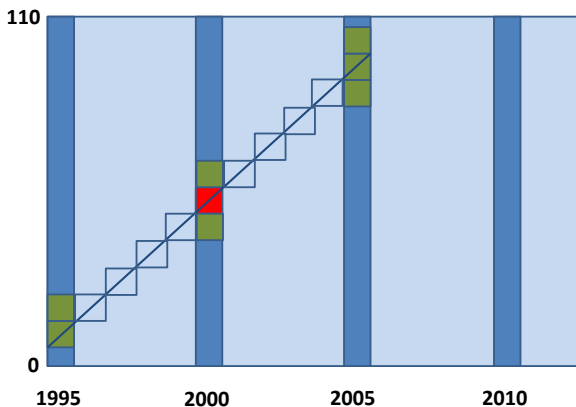
# Exposure from Censuses and Deaths



# Exposure from Deaths: Extinct Cohorts



# Exposure errors produce **Cohort** effects

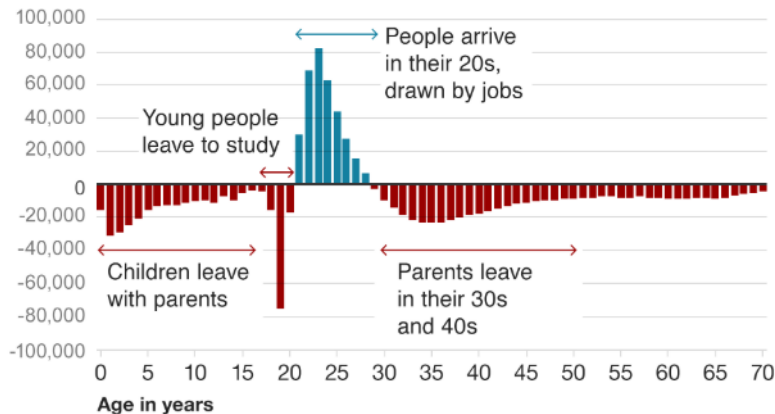


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# People in their 20s move to London, but people in their 30s and 40s move out

Net migration to the capital by age, 0-70 years old



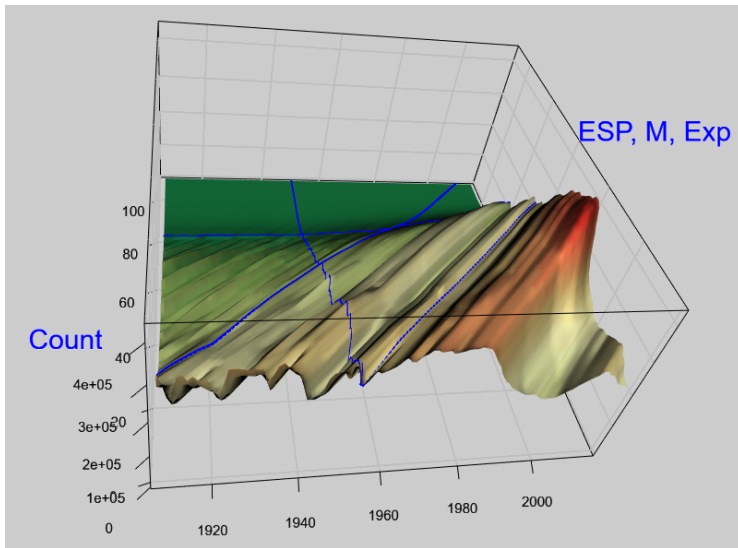
Source: Centre for Cities

BBC

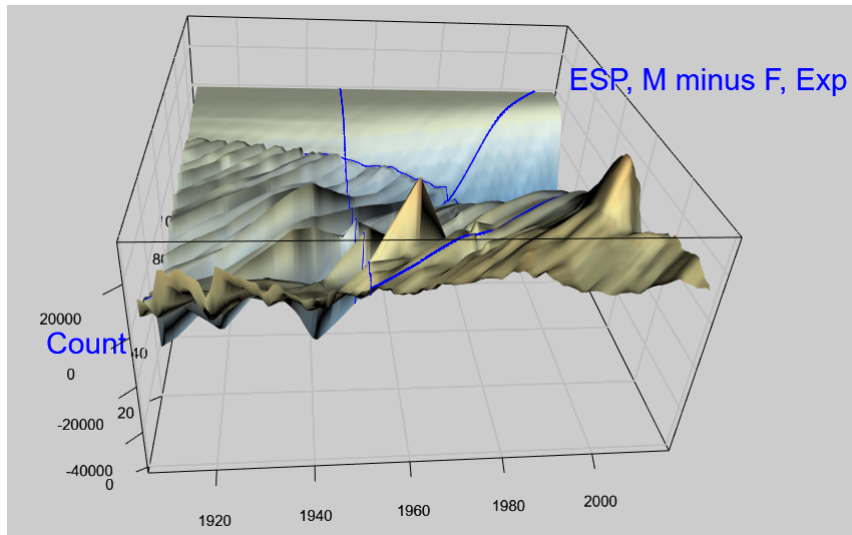
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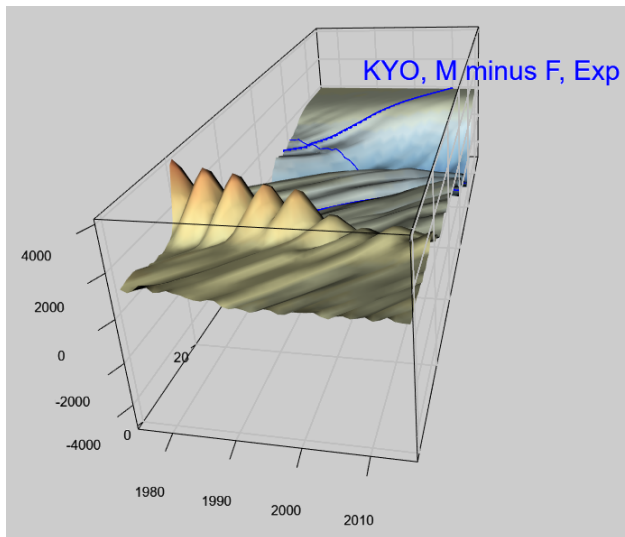
# Spain Exposure: Male



# Spain Exposure: Male minus Female



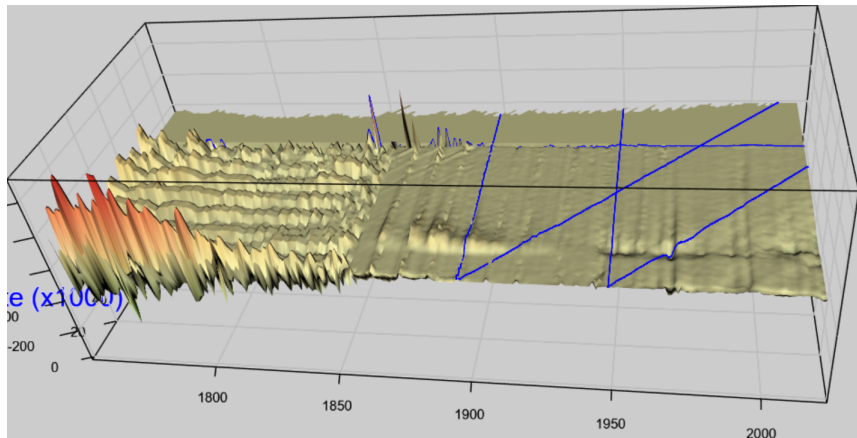
# Kyoto Exposure: Male minus Female



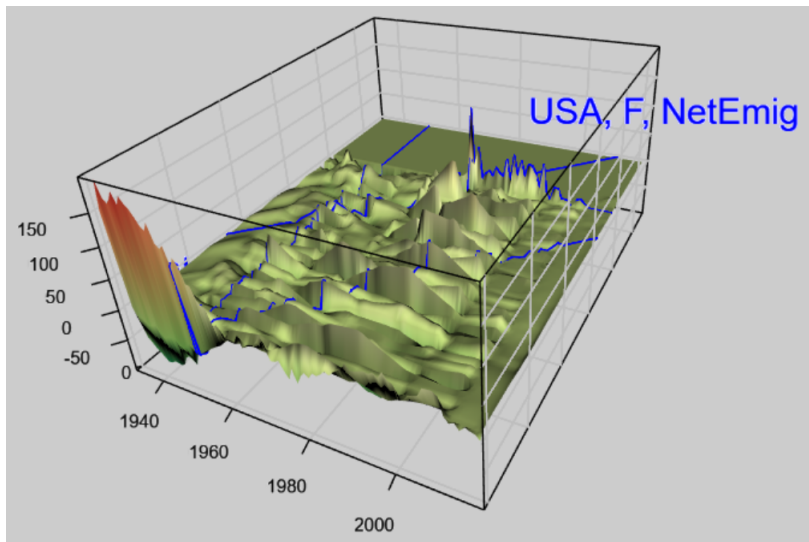
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# Sweden Female Net Emigration (x1000)



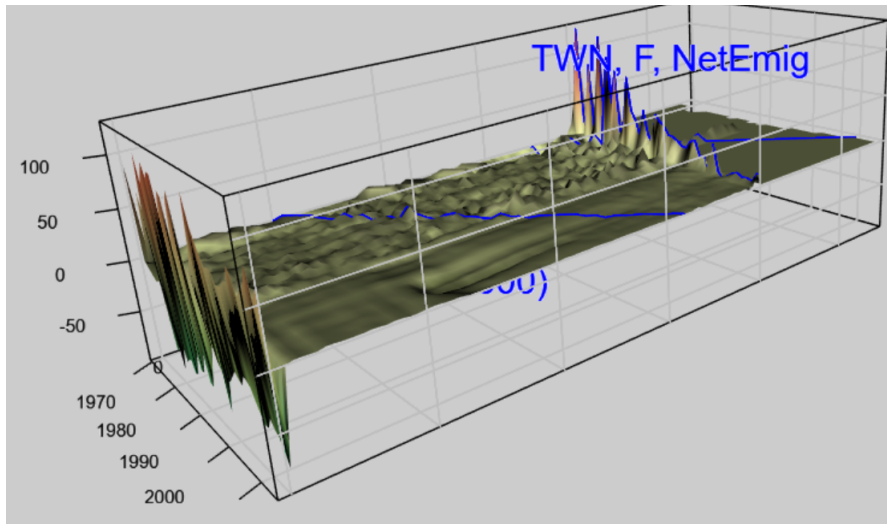
# USA Female Net Emigration (x1000)



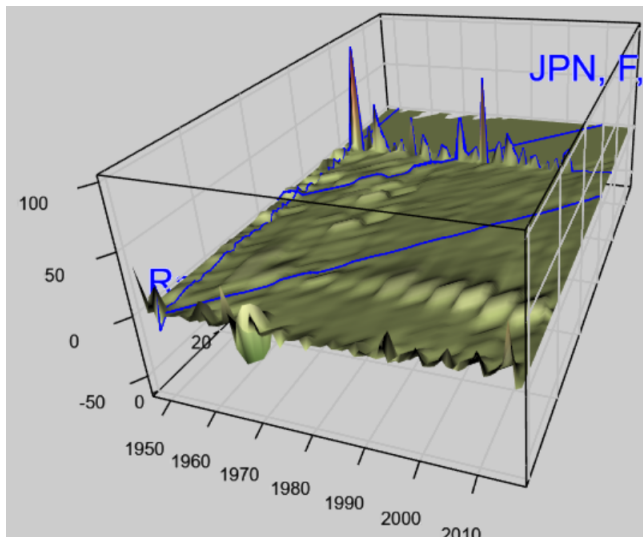
## FRATNP, F, No



# Taiwan Female Net Emigration (x1000)



# Japan Female Net Emigration (x1000)



# England & Wales Fem. Net Emign. (x1000)

