

## **Appendix A. Supplementary figures**

This document provides figures for all the age strata considered in the work. The contents are structured in two sections: one presenting yearly statistics for the whole UK, and the other providing plots of yearly mortality rates by country.

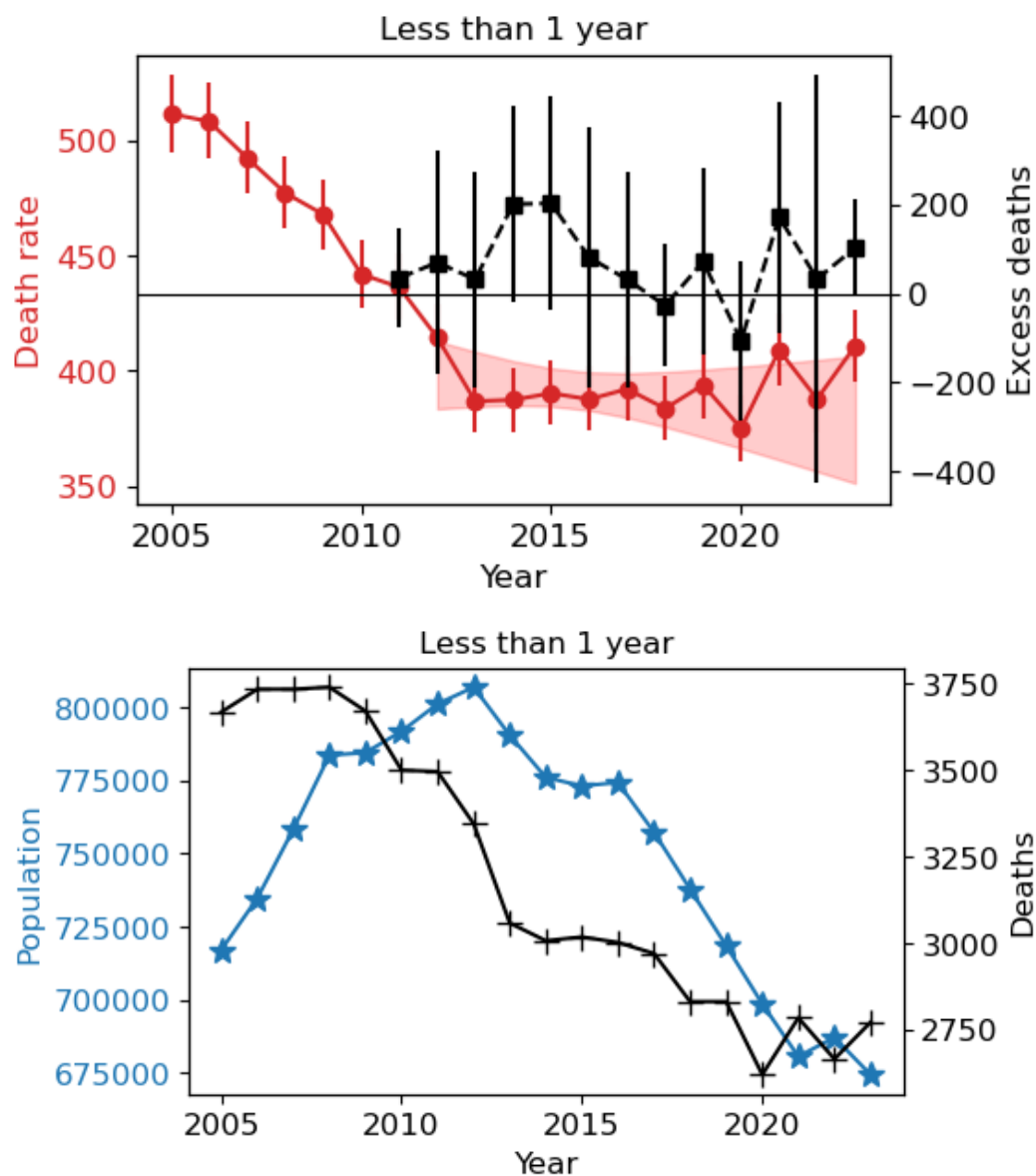
### **Contents**

#### **1. Yearly mortality rates, excess mortality, population and deaths in the UK**

- Less than 1 year
- 1 to 29 years
- 30 to 34 years
- 35 to 39 years
- 40 to 44 years
- 45 to 49 years
- 50 to 54 years
- 55 to 59 years
- 60 to 64 years
- 65 to 69 years
- 70 to 74 years
- 75 to 79 years
- 80 to 84 years
- 85 to 89 years
- 90 years and above

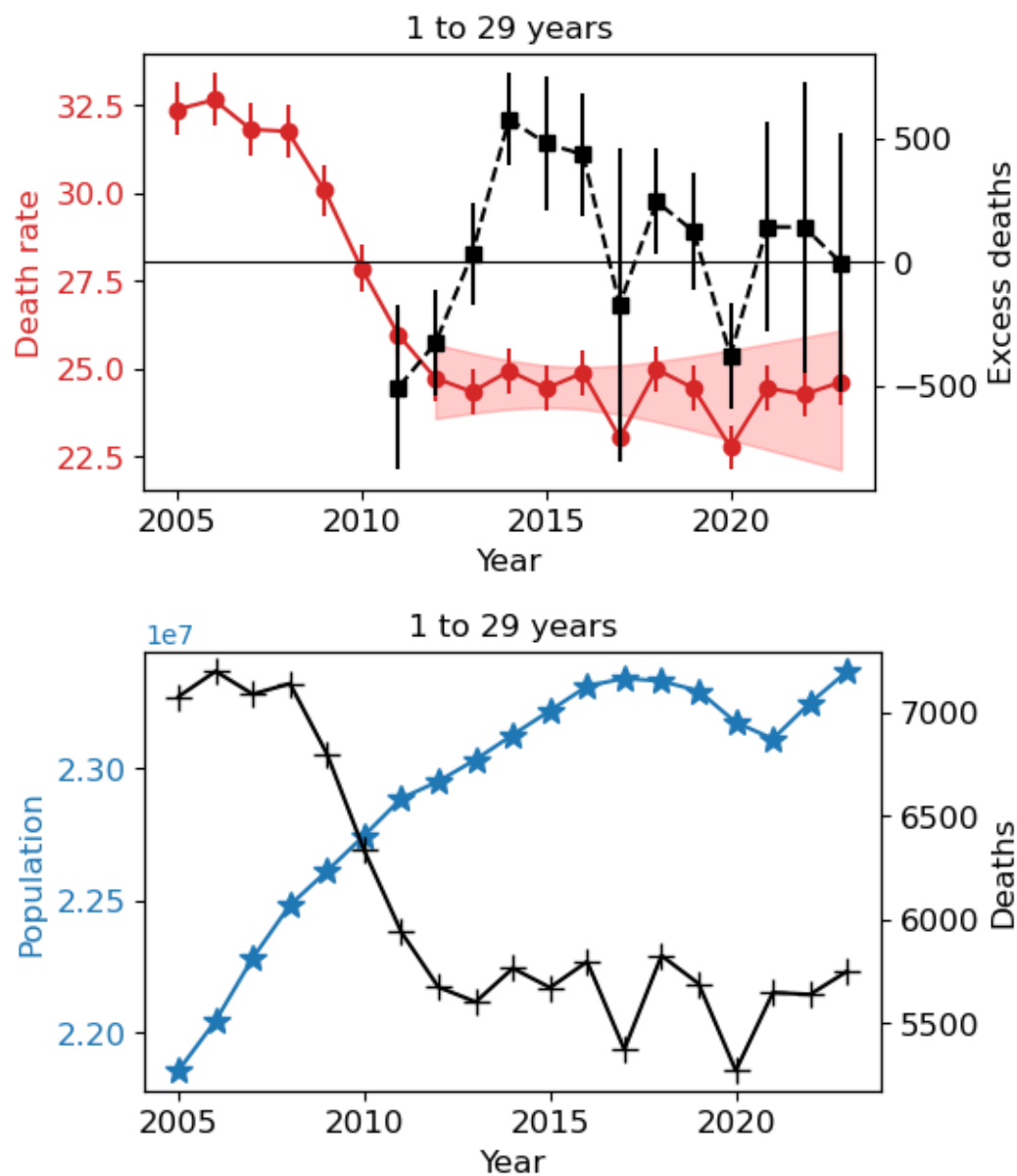
#### **2. Mortality rates by country**

- Less than 1 year
- 1 to 29 years
- 30 to 34 years
- 35 to 39 years
- 40 to 44 years
- 45 to 49 years
- 50 to 54 years
- 55 to 59 years
- 60 to 64 years
- 65 to 69 years
- 70 to 74 years
- 75 to 79 years
- 80 to 84 years
- 85 to 89 years
- 90 years and above



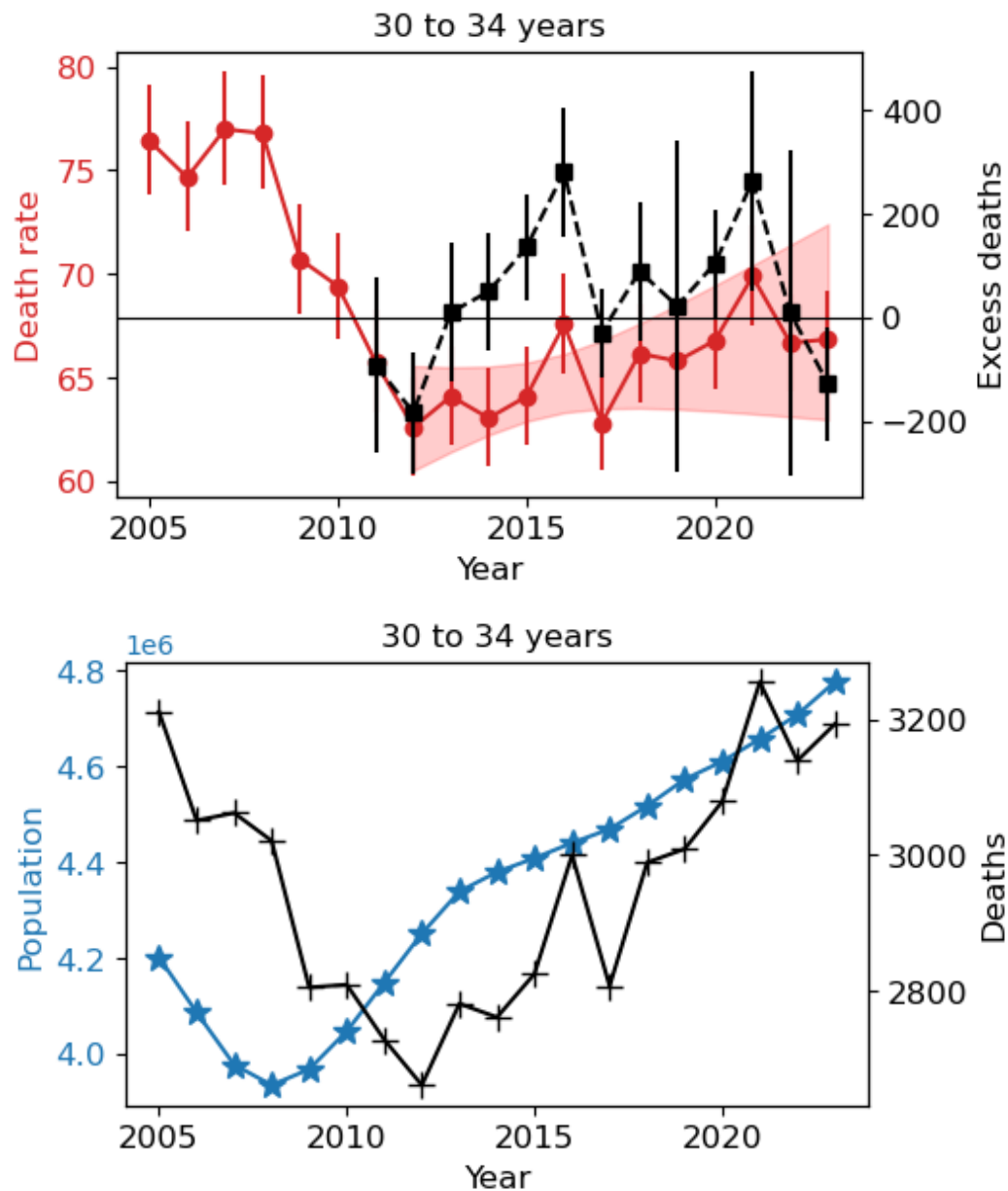
**Figure 1:** Yearly mortality statistics for **less than 1-year-olds** in the UK. Upper panel: Mortality rates (red circles) and excess mortality (black squares). The shaded red region represents the 95% confidence interval for a linear fit to the mortality rate from 2012 to 2019. The extended region for 2020-2023 predicts the death rate assuming pre-pandemic trends had continued. Lower panel: Population (blue stars) and number of deaths (black crosses).

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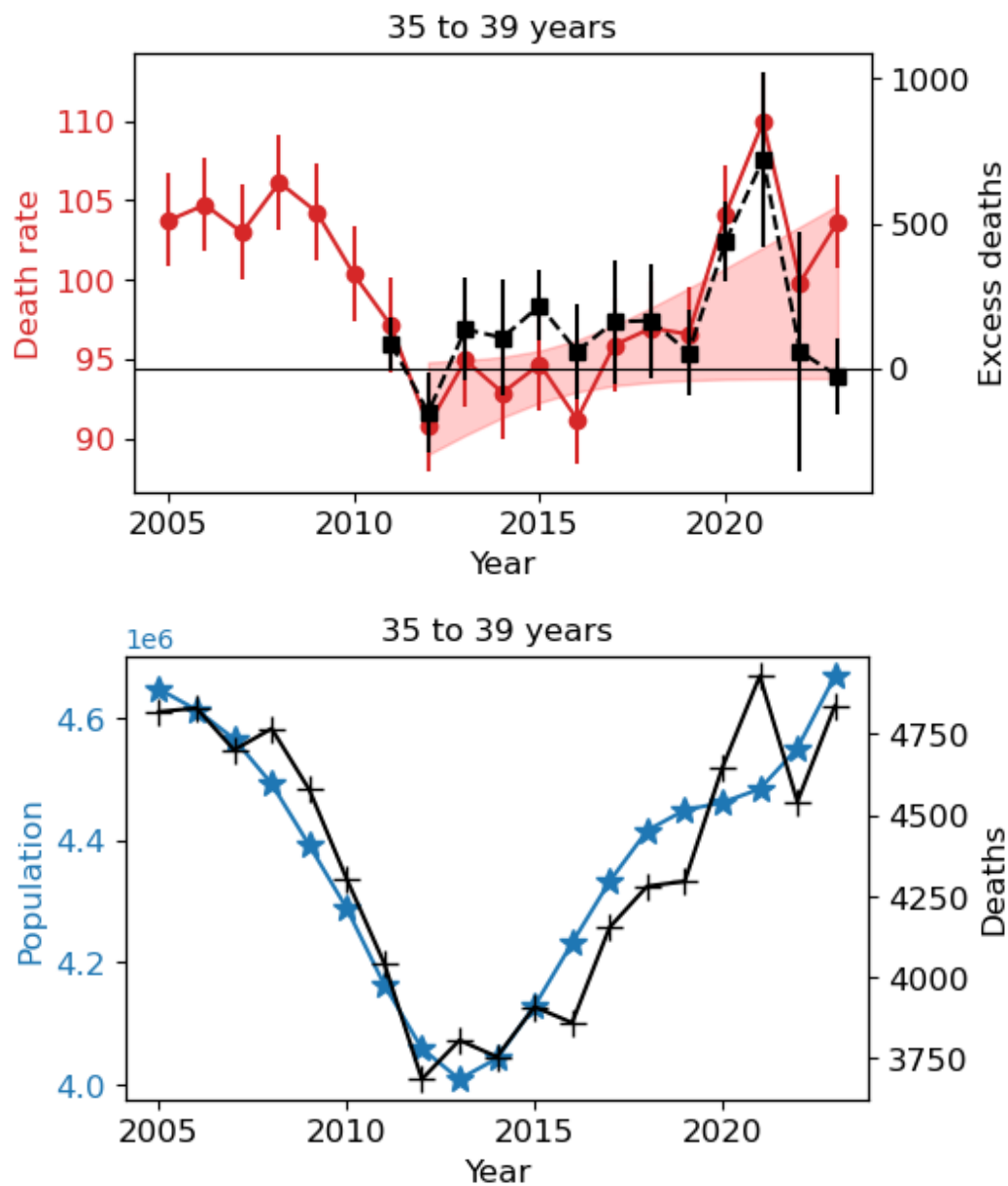
**Figure 2:** Yearly mortality statistics for **1 to 29-year-olds** in the UK. Upper panel: Mortality rates (red circles) and excess mortality (black squares). The shaded red region represents the 95% confidence interval for a linear fit to the mortality rate from 2012 to 2019. The extended region for 2020-2023 predicts the death rate assuming pre-pandemic trends had continued. Lower panel: Population (blue stars) and number of deaths (black crosses).

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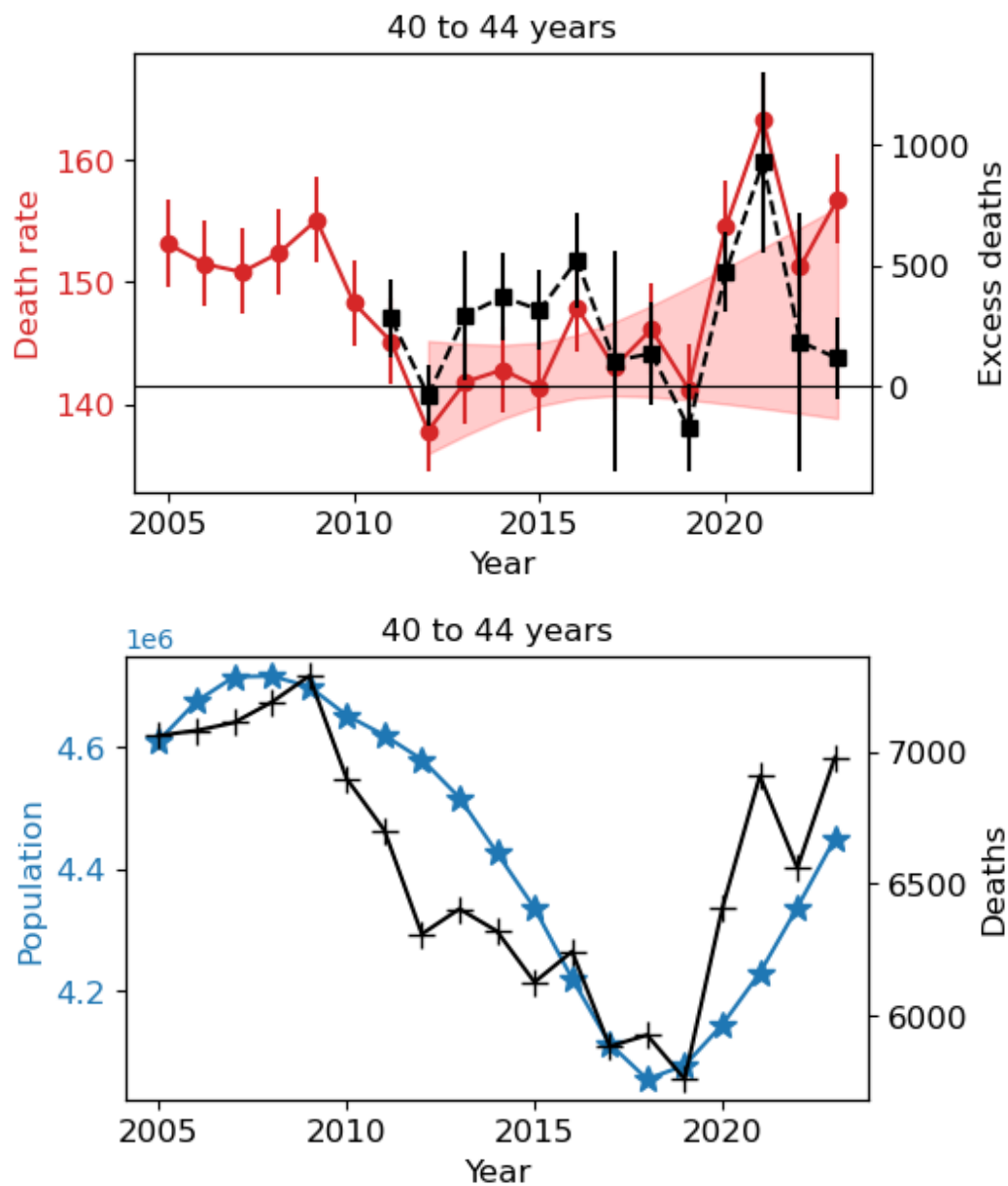
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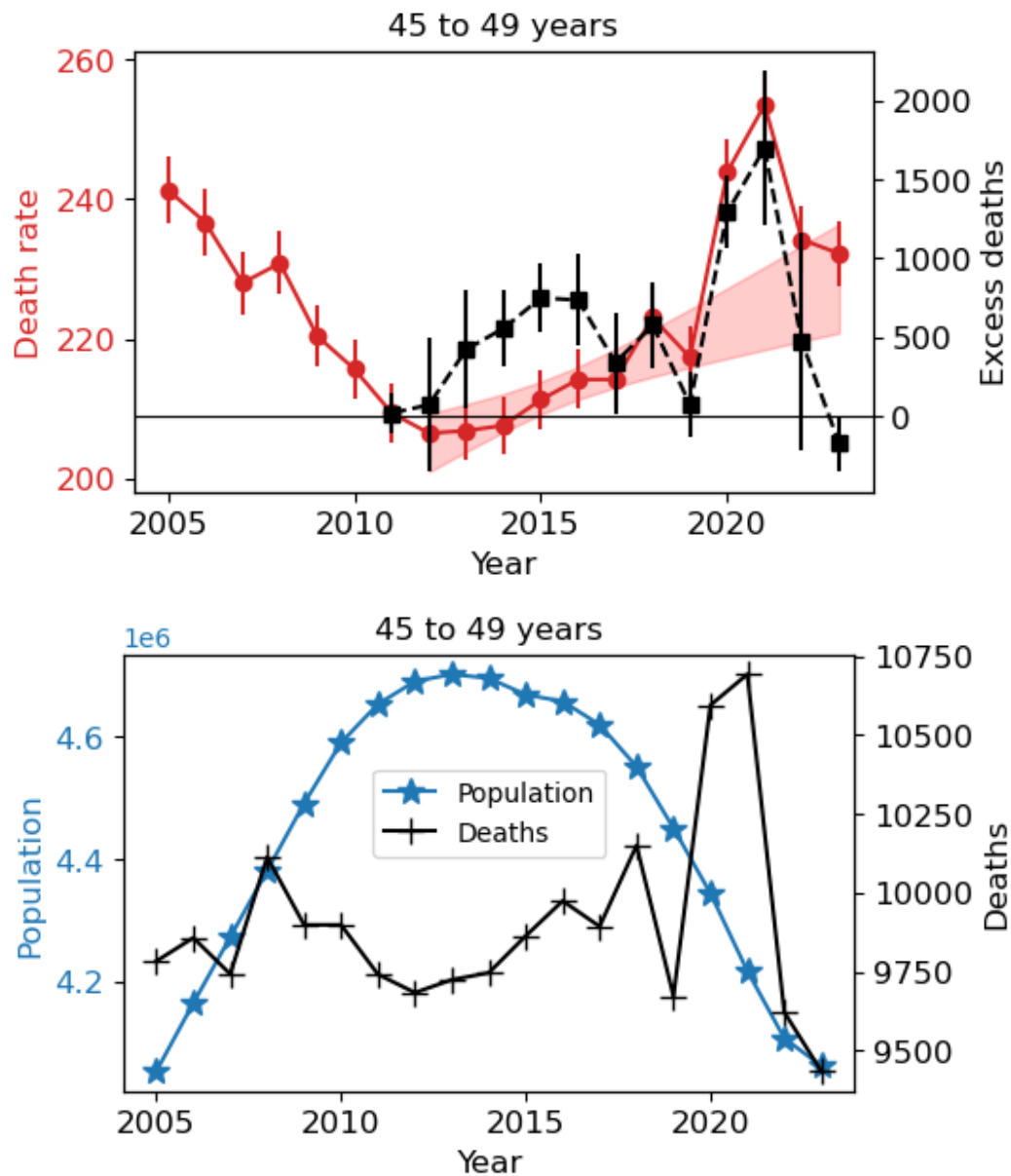
**Figure 4:** Yearly mortality statistics for **35 to 39-year-olds** in the UK. Upper panel: Mortality rates (red circles) and excess mortality (black squares). The shaded red region represents the 95% confidence interval for a linear fit to the mortality rate from 2012 to 2019. The extended region for 2020-2023 predicts the death rate assuming pre-pandemic trends had continued. Lower panel: Population (blue stars) and number of deaths (black crosses).

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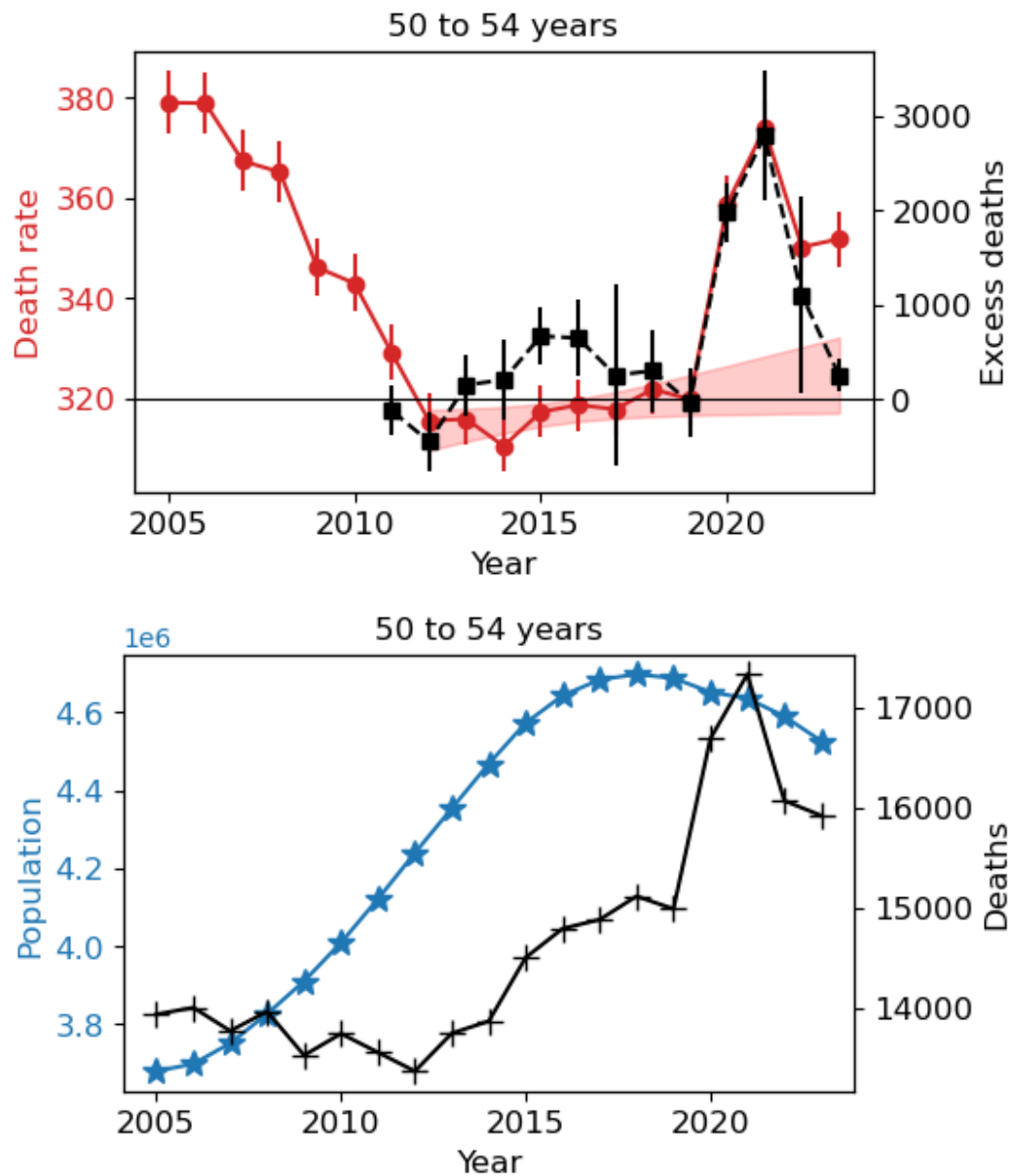
**Figure 5:** Yearly mortality statistics for **40 to 45-year-olds** in the UK. Upper panel: Mortality rates (red circles) and excess mortality (black squares). The shaded red region represents the 95% confidence interval for a linear fit to the mortality rate from 2012 to 2019. The extended region for 2020-2023 predicts the death rate assuming pre-pandemic trends had continued. Lower panel: Population (blue stars) and number of deaths (black crosses).

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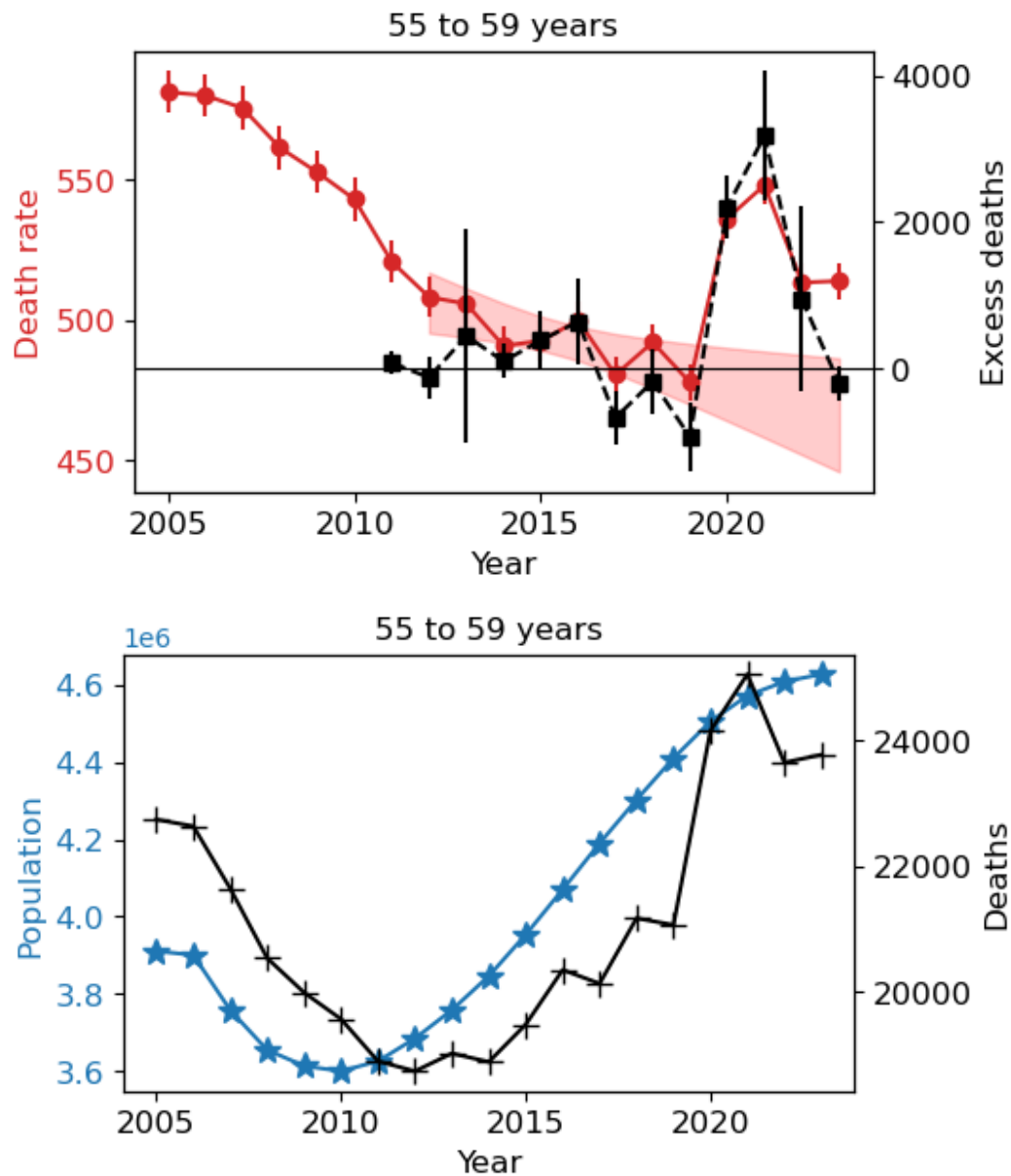
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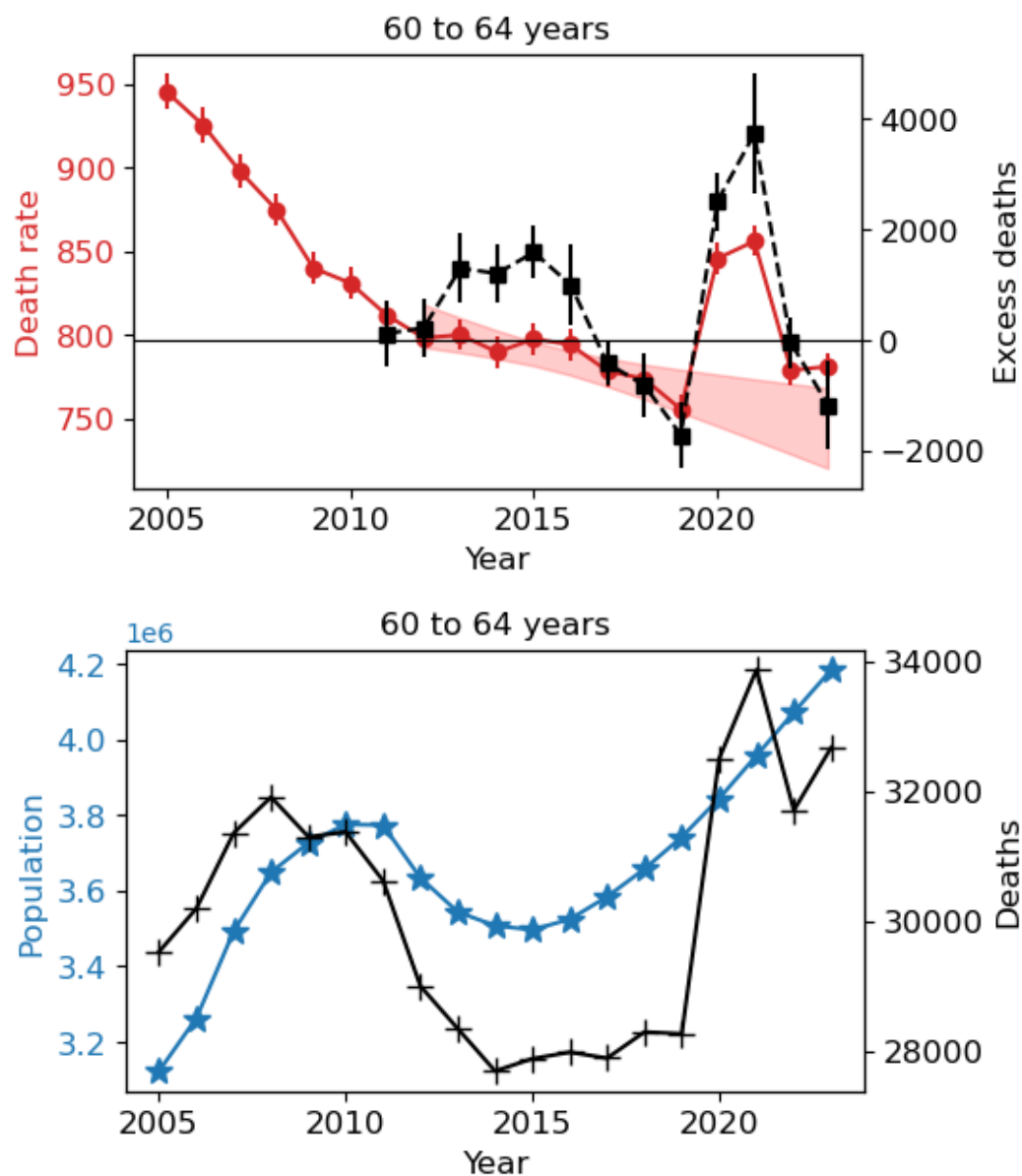
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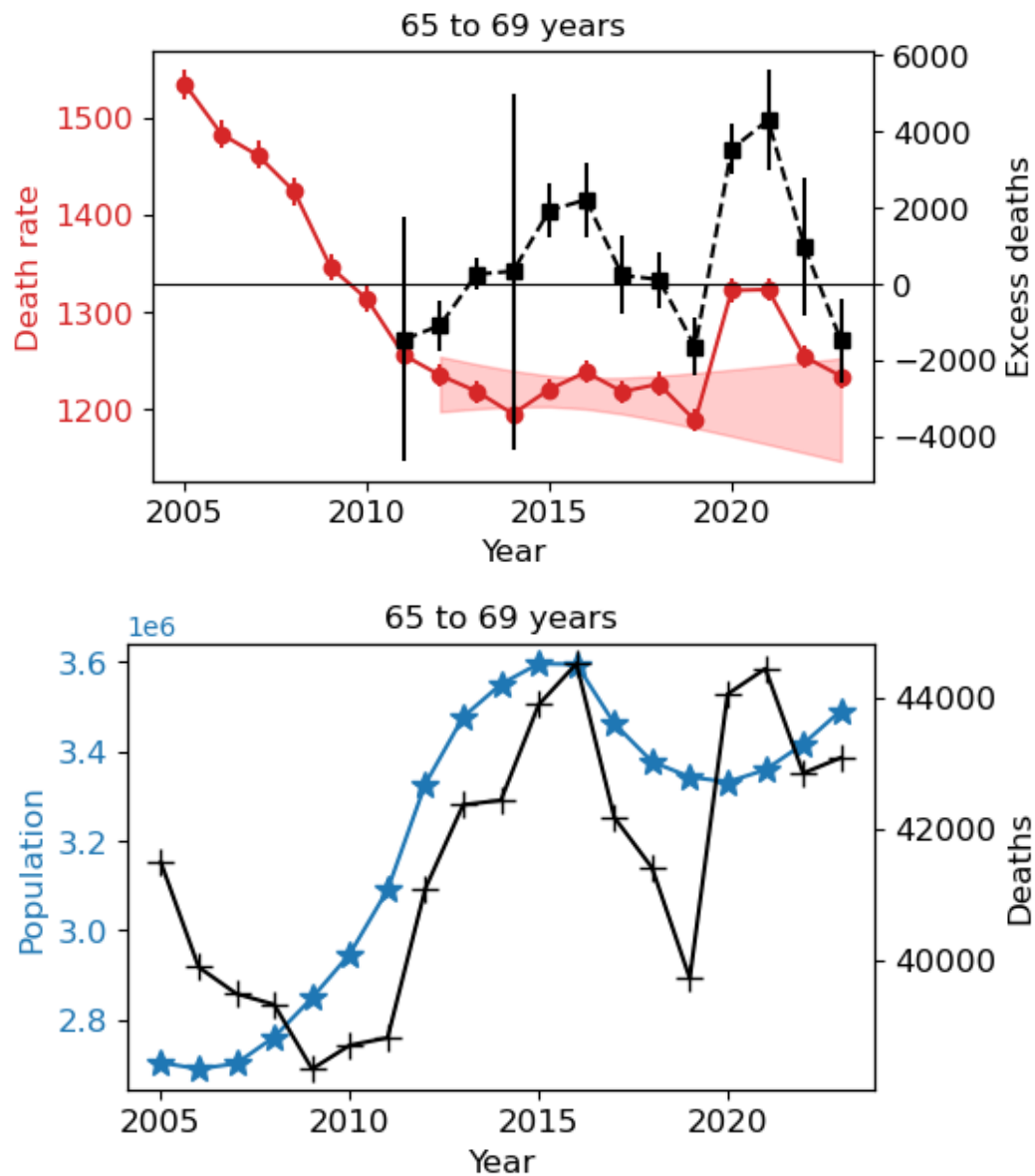
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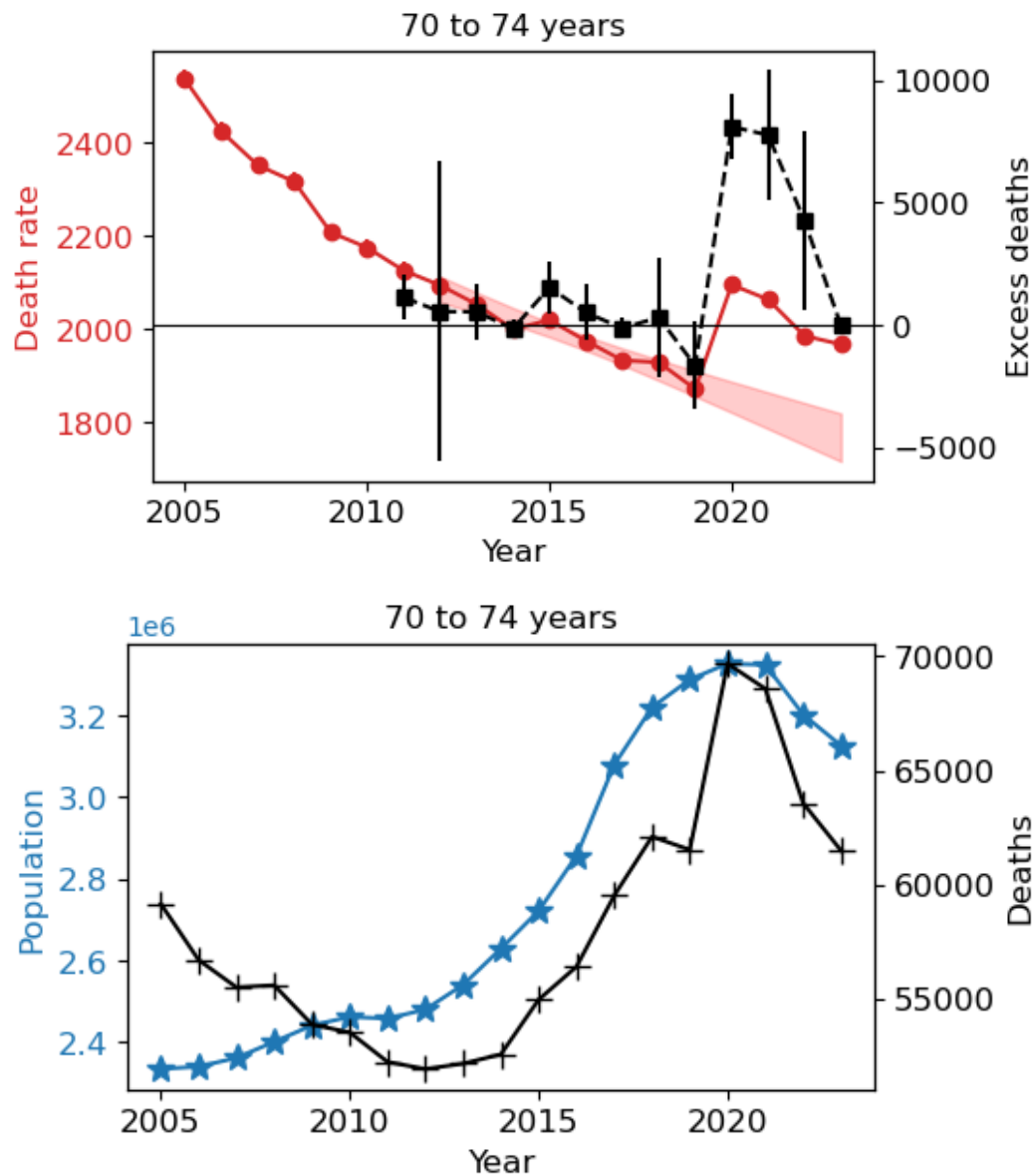
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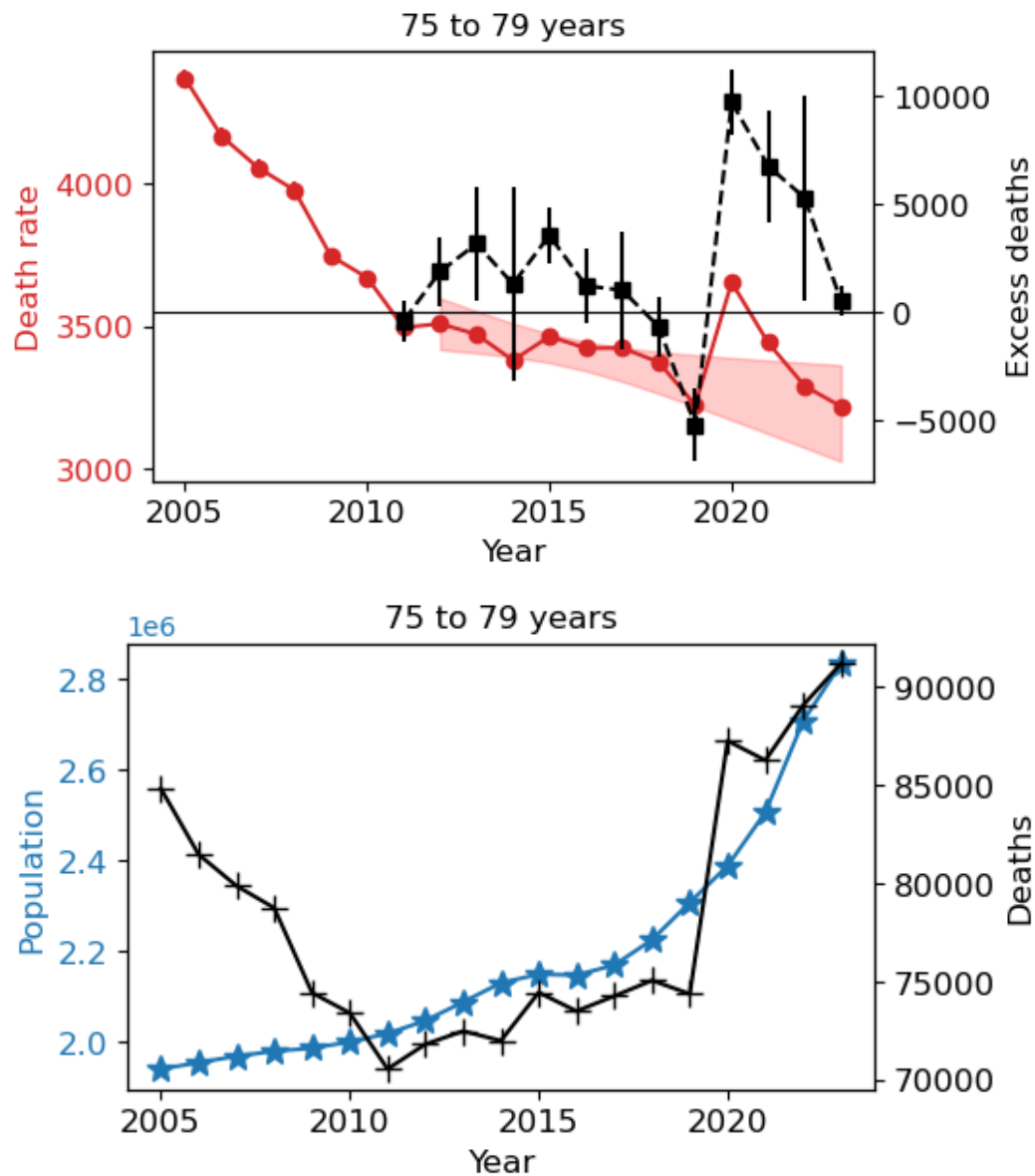
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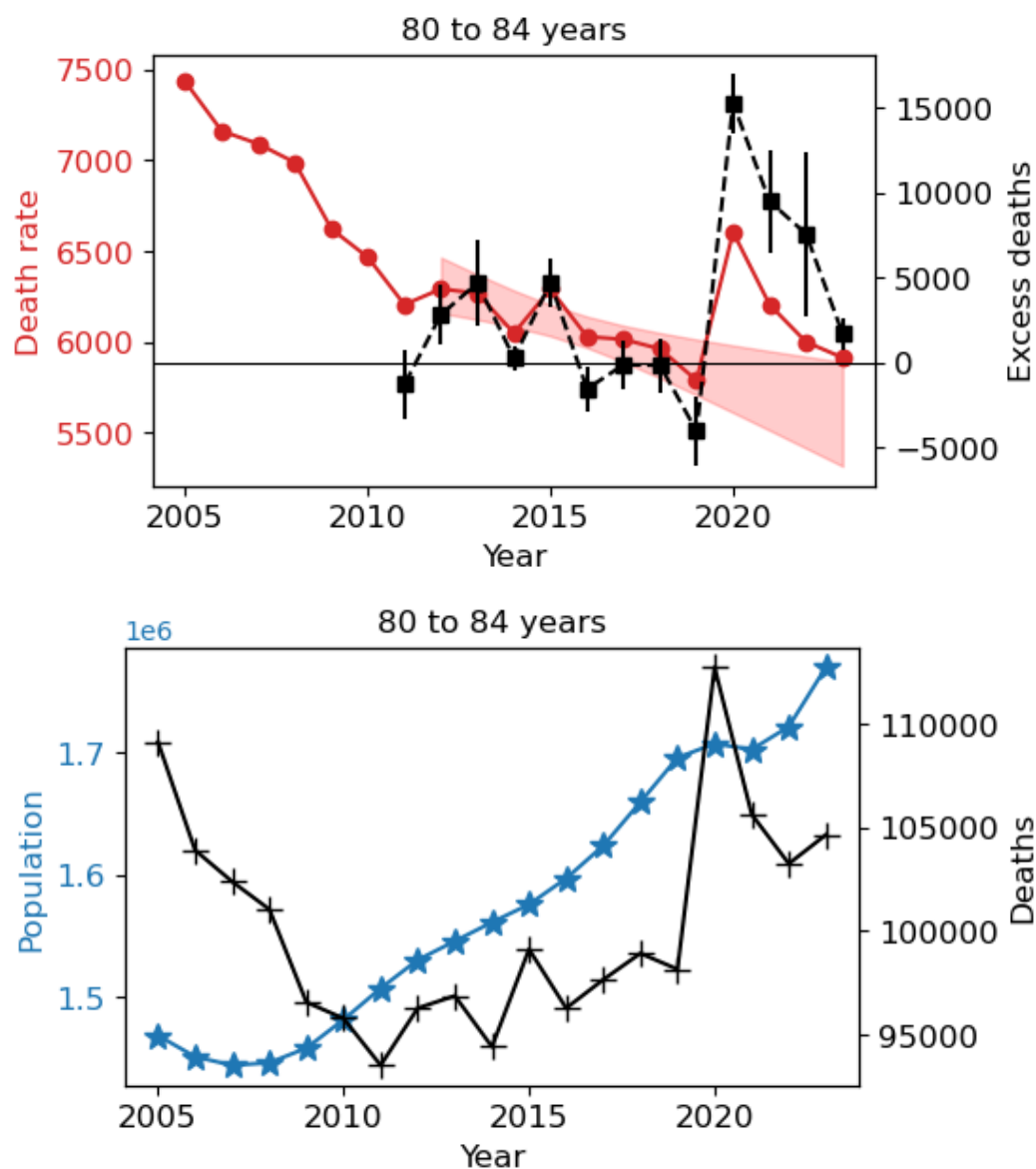
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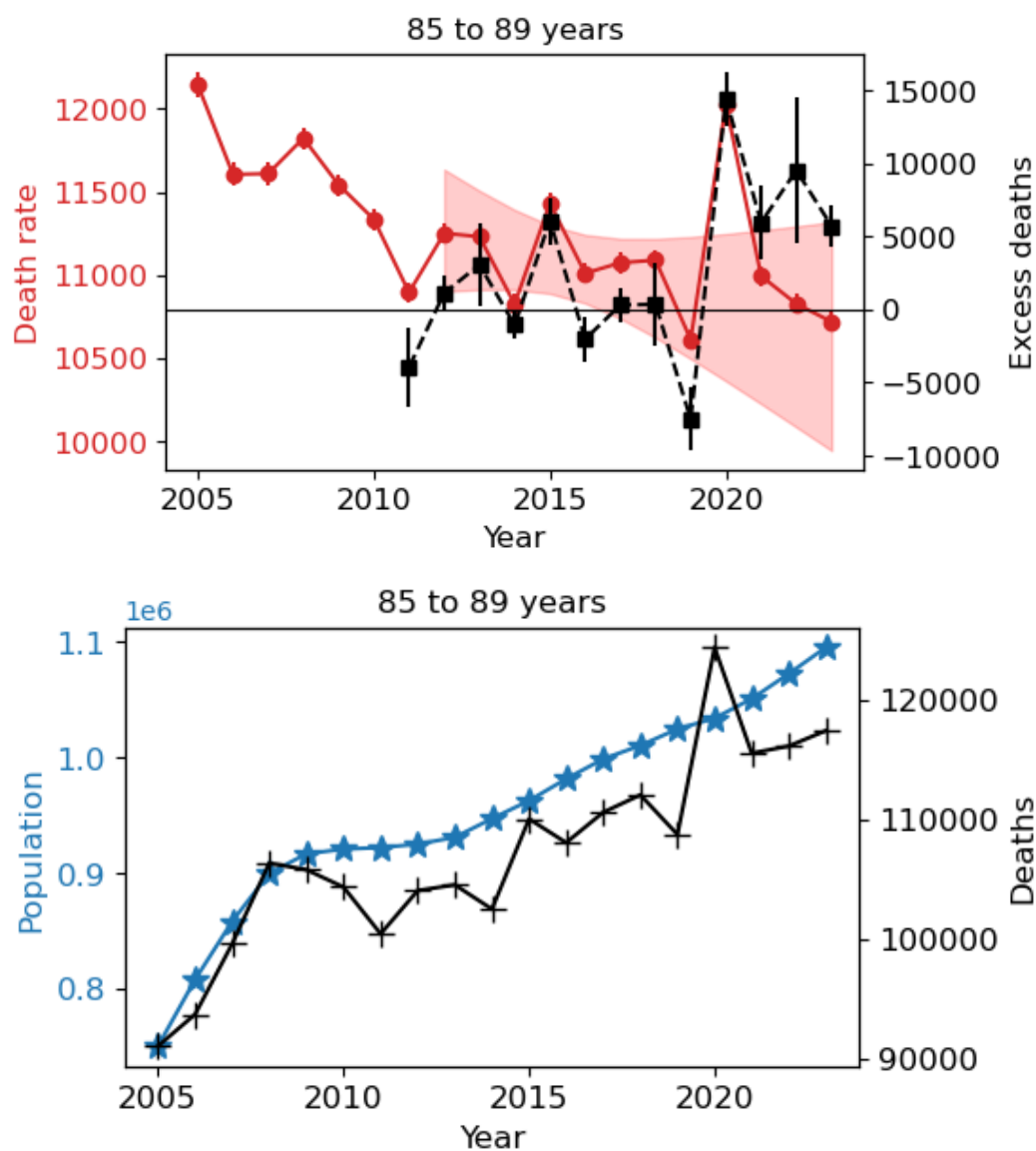
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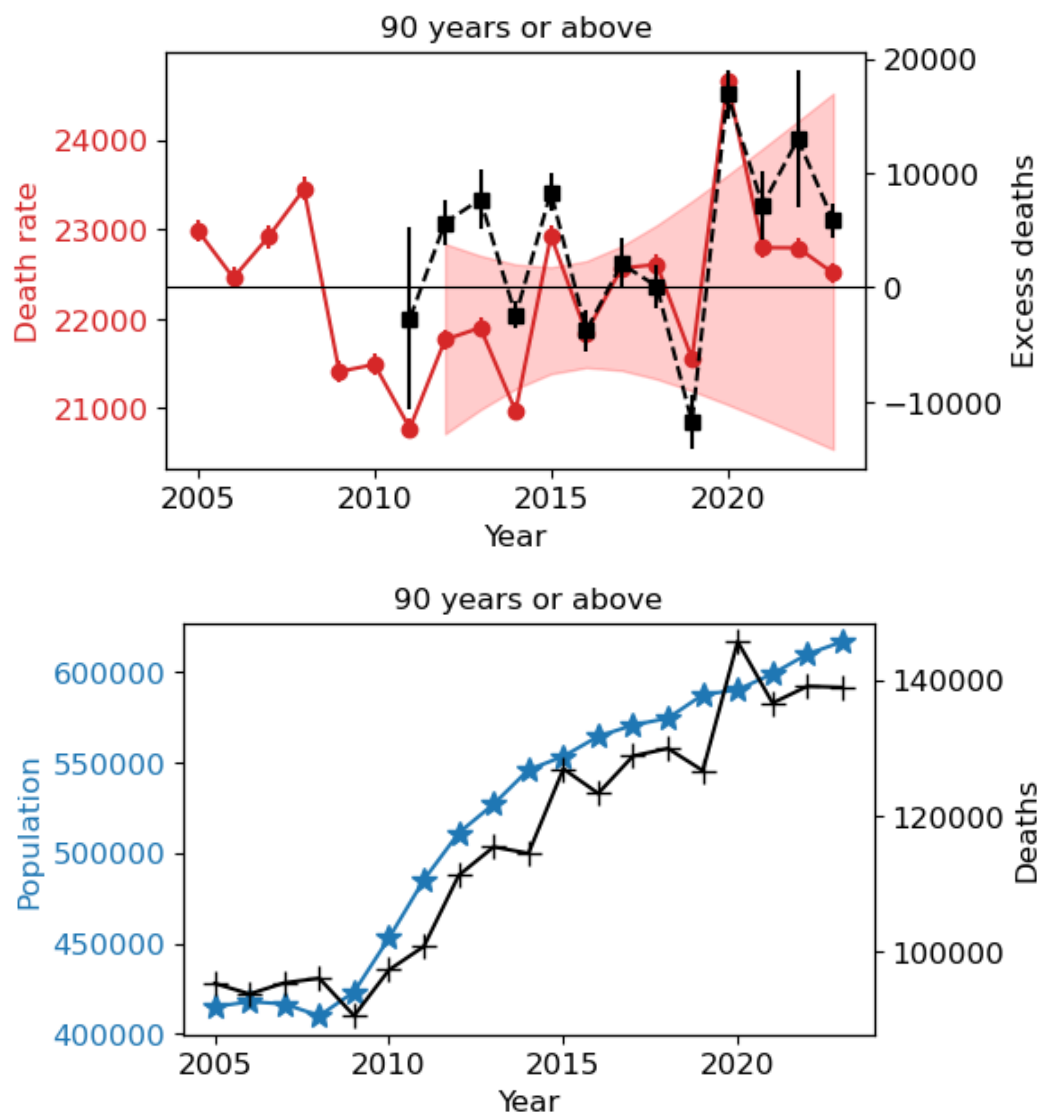
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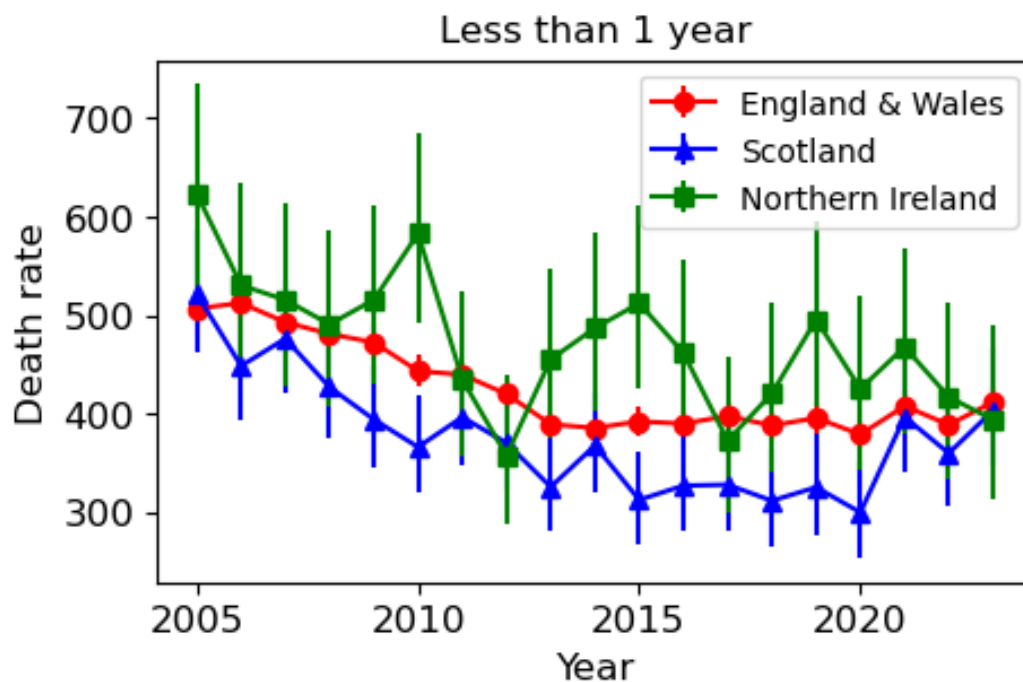
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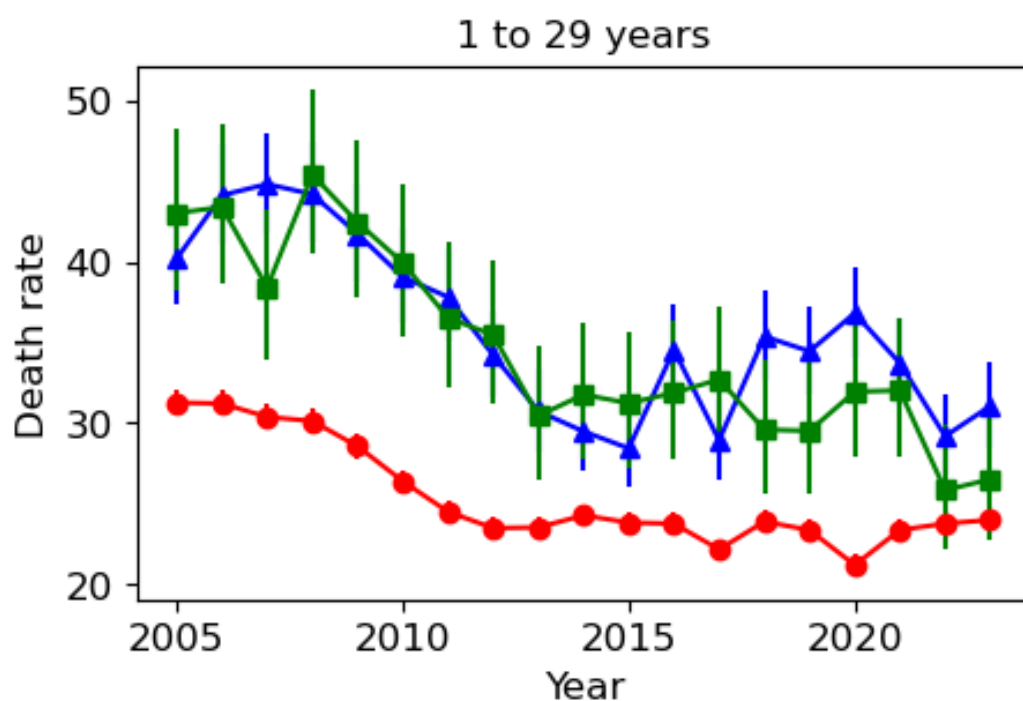
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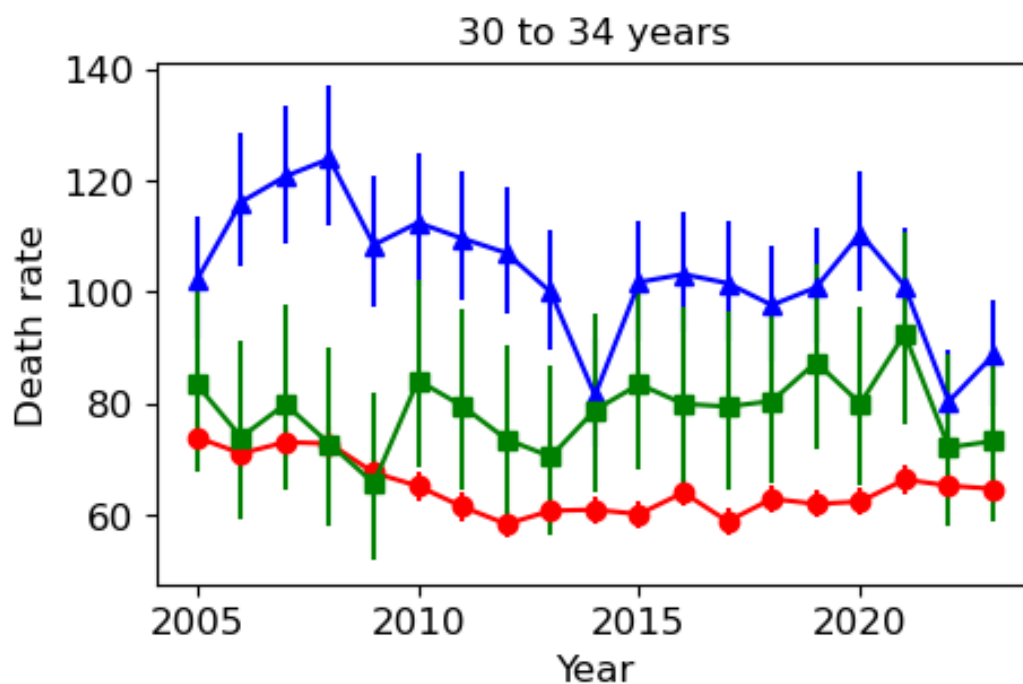
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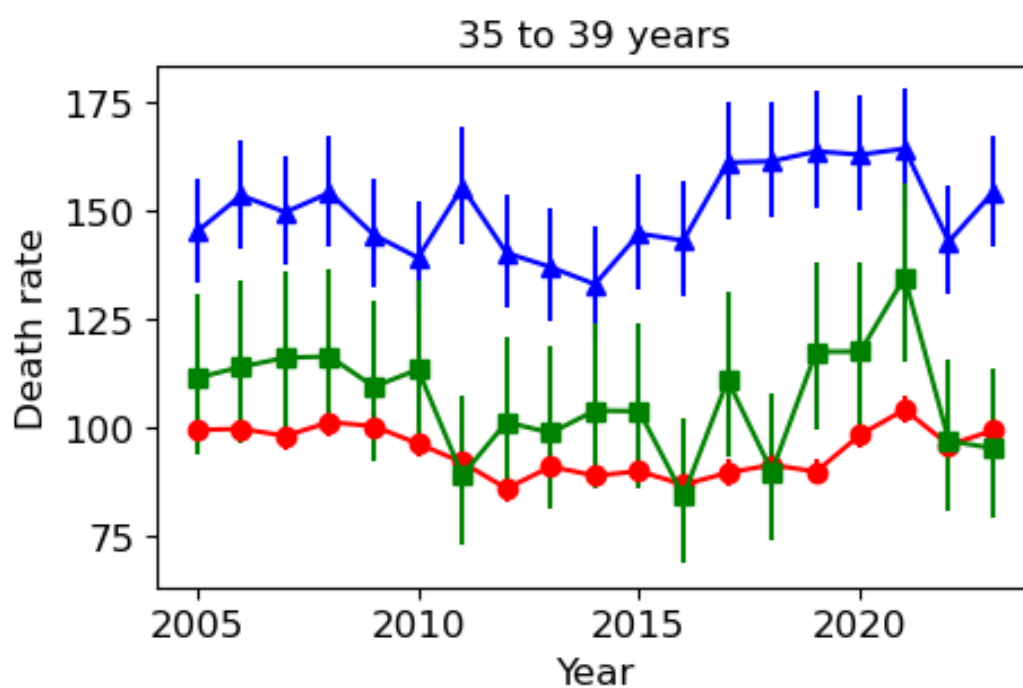
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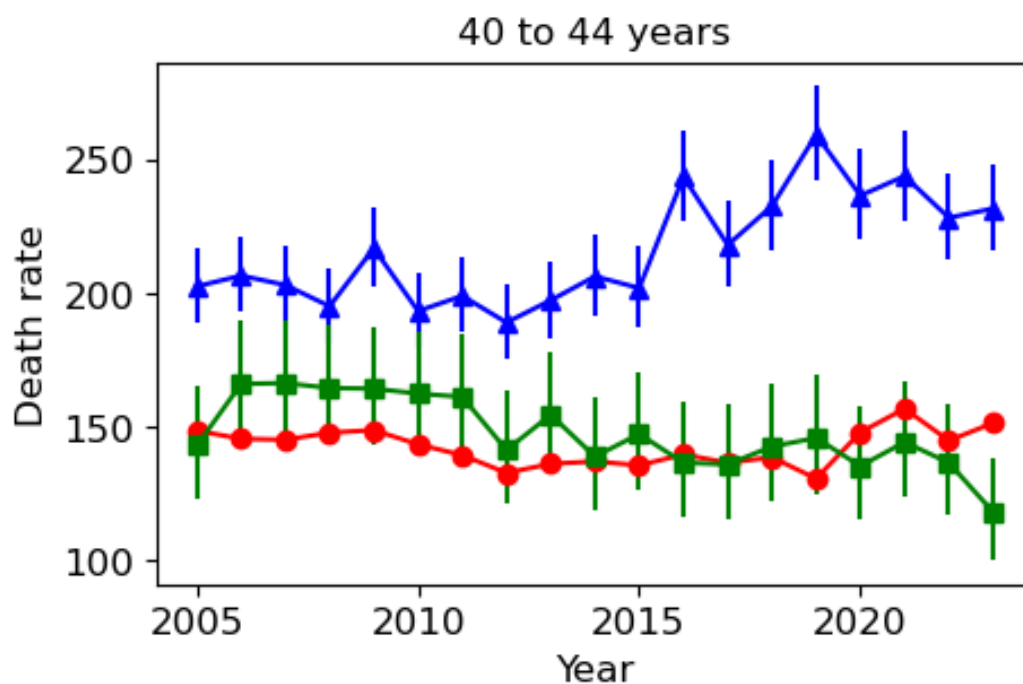
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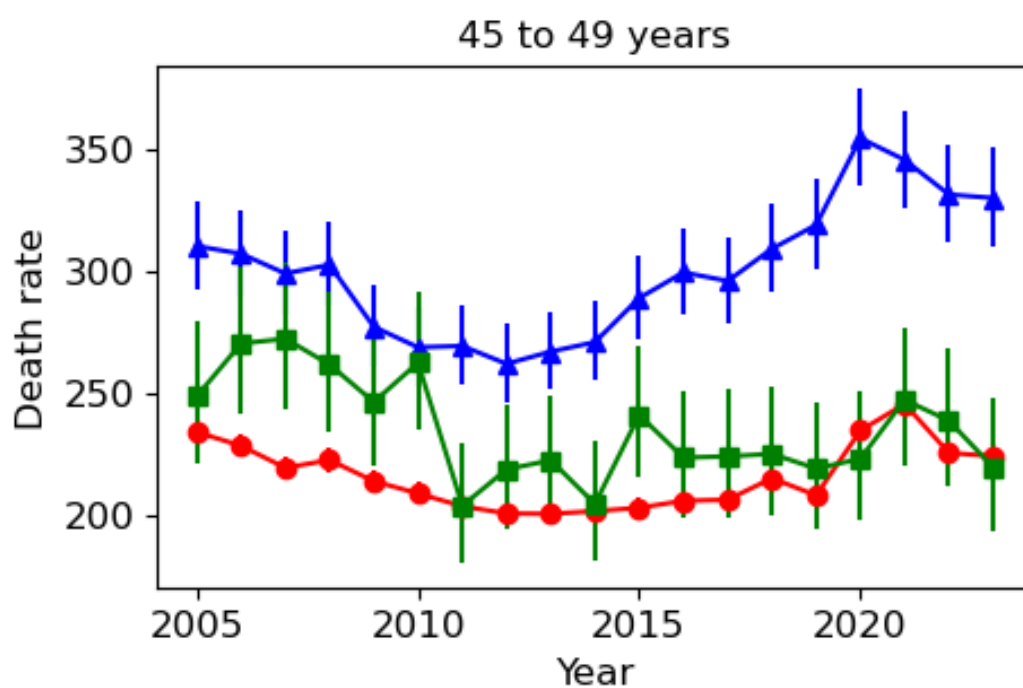
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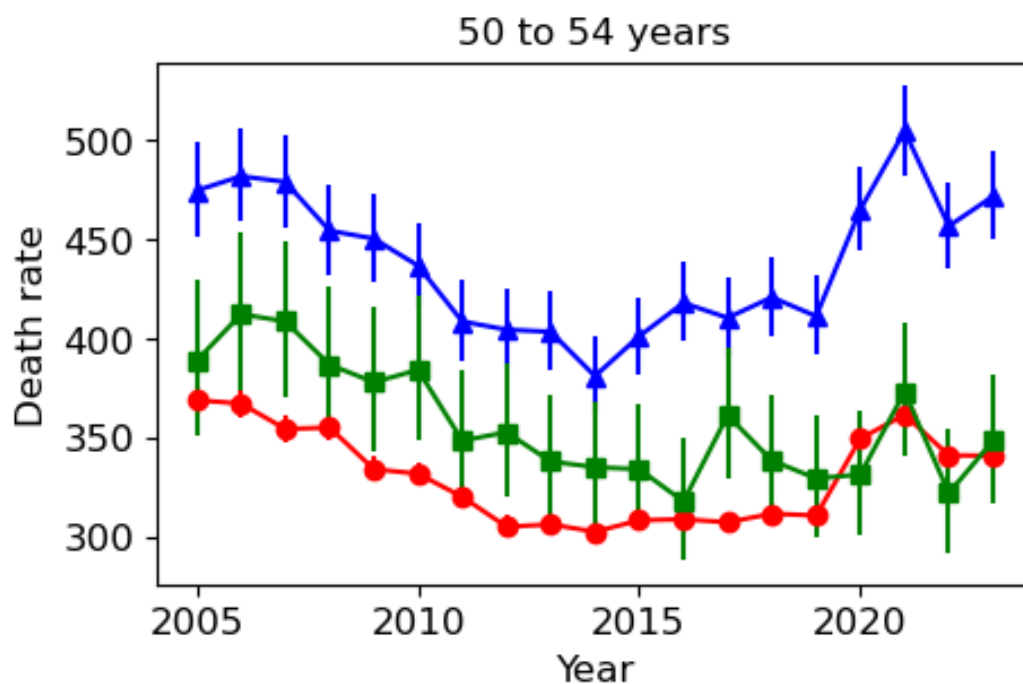
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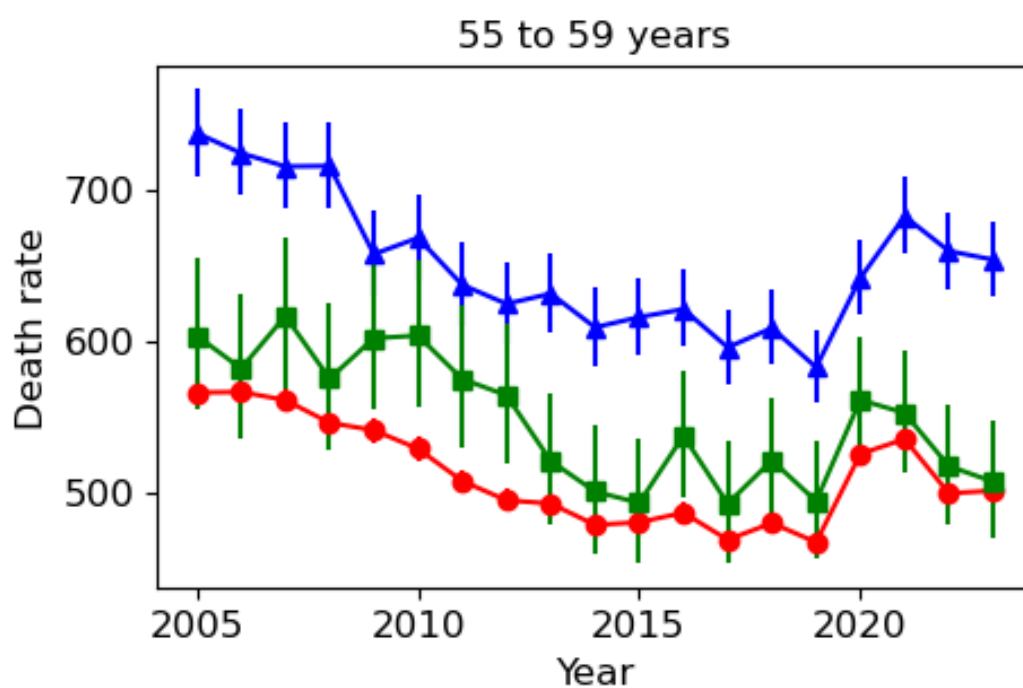
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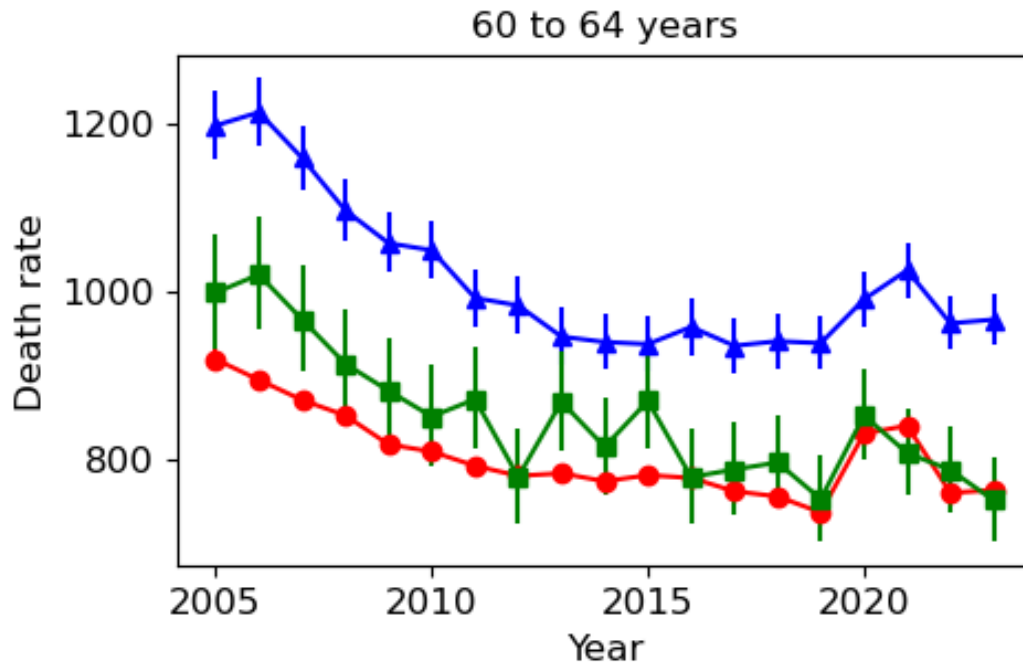
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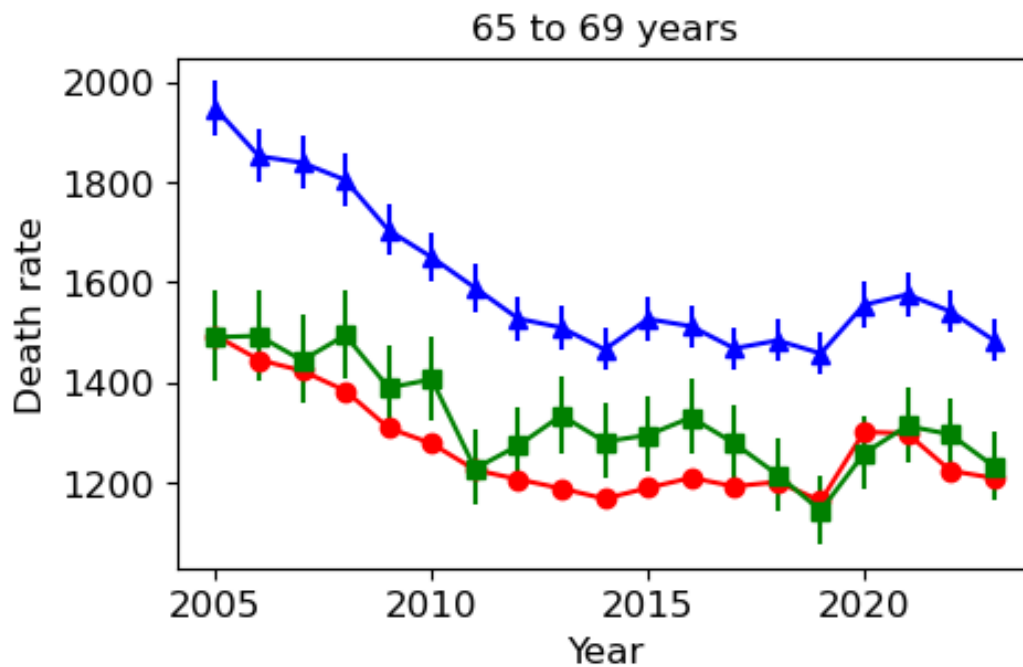
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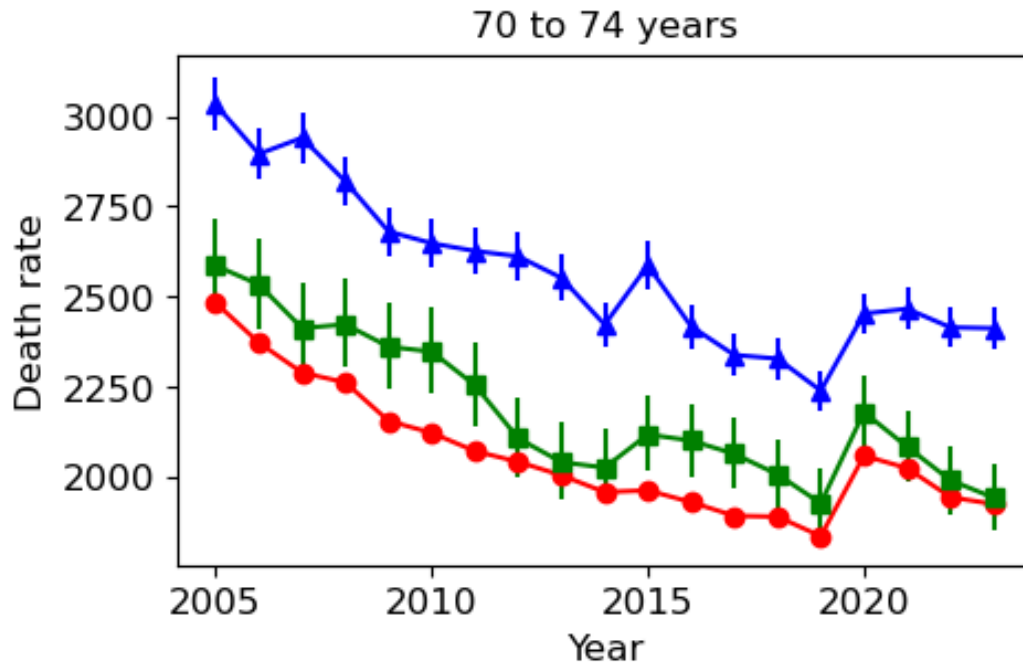
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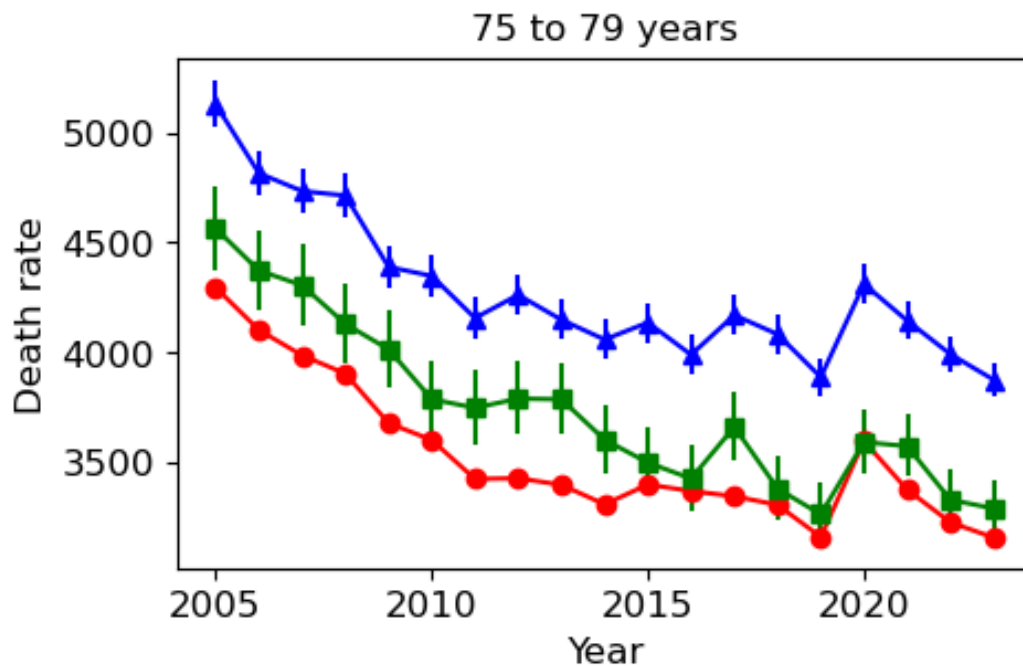
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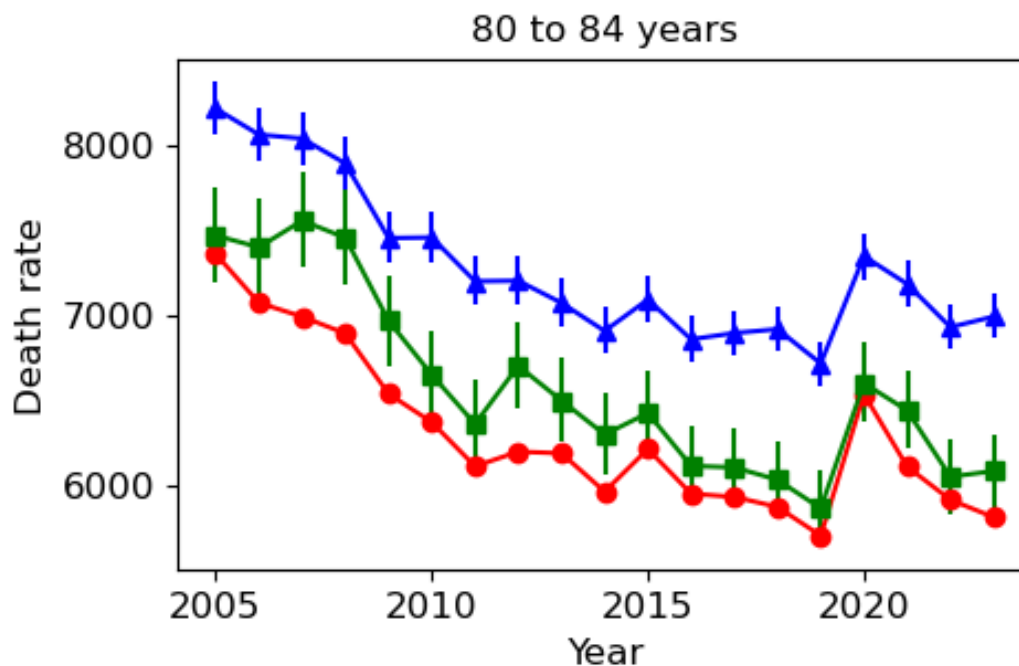
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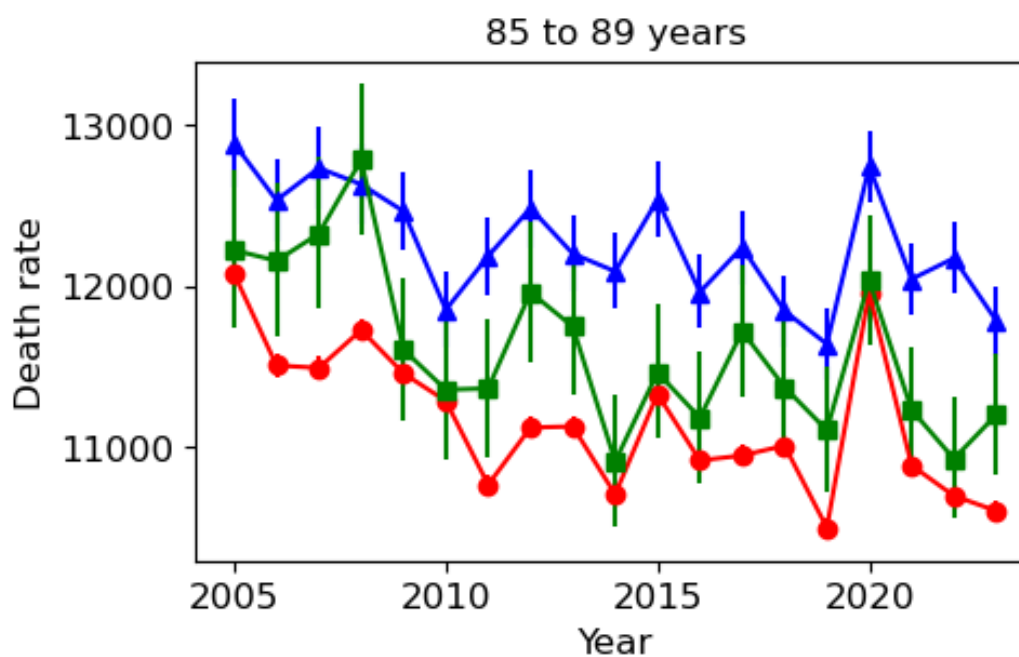
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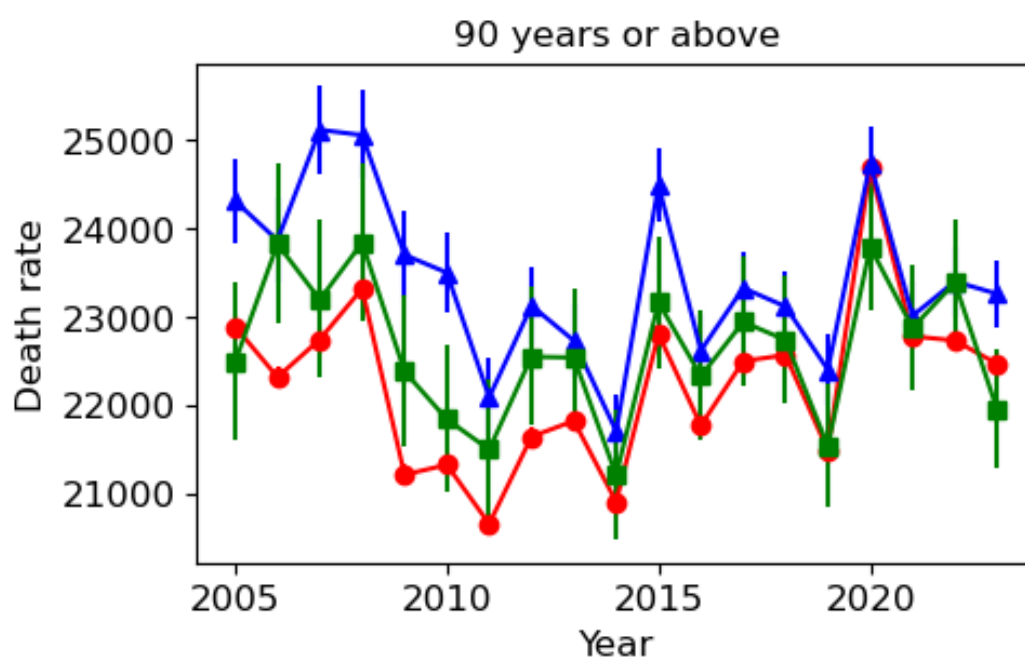
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