**Mortality Swiss Cities – Christoph Kestenholz**

**: Mortality for Swiss cities 1941 - 1969**

Graphical user interface, chart

Description automatically generated

Blue dots: Total mortality counts per week

Red line: Mortality for residents per week

Green line: Mortality for non-residents per week

Gray line: Mortality for residents + non-residents per week -> same as Total mortality per week

**Q for Ana:** Do we stratify by residents / non-residents or do we focus on the total mortality counts per city?

**Answer:** Only have the residents data and not the total!

* Also, check with Evan’s municipality data that I have the mortality counts for the city without the Agglomeration

IDAweb Daily Mean Temperature Selection:

Graphical user interface, application

Description automatically generated with medium confidence

* This is OK to have just Daily Mean Temperature! But is the last step and focus on Mortality and Excess Mortality for now!

**Next steps:**

* Regression for weekly all-cause mortality -> include the step
* Meteorological variables (Tmean)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 191 | Bern | 351 | 194 | | Bern | | 2 | 79503 |
| 210 | Biel/Bienne | 371 | 207 | | Bern | | 2 | 29440 |
| 936 | La Chaux-de-Fonds | 6421 | 1945 | | Neuchâtel | | 24 | 20705 |
| 986 | Lausanne | 5586 | 1660 | | Vaud | | 22 | 60538 |
| 1073 | Luzern | 1061 | 510 | | Luzern | | 3 | 40999 |
| 1695 | St. Gallen | 3203 | 1004 | | St. Gallen | | 17 | 37874 |
| 2025 | ZÃƒÂ¼rich | 261 | 155 | | Zürich | | 1 | 212406 |
| 1 | 2701 | 867 | | Basel | |
| 1 | 6621 | 1986 | | GenÃƒÂ¨ve | |
| 1 | 230 | 142 | | Winterthur | |

**29.11.2021 – Data Preparation**

Data 1941 – 1969 prepared for 10 cities (Basel, Bern, Biel, LCDF, Geneva, Lausanne, Lucerne, StGallen, Winterthur, Zurich)

Diagram

Description automatically generated with medium confidence

Chart, line chart

Description automatically generated

Cut out 1962-1968:

Chart

Description automatically generated

Fit does not look summer nice -> add more df by having more sine cosine terms?

With the corrected denominator (52 weeks) and separate fit functions for 41-62 and 69-18

Chart

Description automatically generated

Chart, background pattern

Description automatically generated

Chart

Description automatically generated

Chart, background pattern

Description automatically generated

Chart

Description automatically generated

Chart, background pattern

Description automatically generated

Chart

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Chart, line chart

Description automatically generated