**Exercise 2 – Datenorientierte Programmierparadigmen**

Group 5

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Chosen Question: 6

1. How did the number of deaths per year from natural disasters change over the last hundred years?
2. How does this vary by country? How does this vary by type of natural disaster?
3. Are there trends visible that could be due to climate change?

Datasets to use

Tbd

Plan to answer the questions:

Prediction: we think, that the number of deaths per year from natural disaster have increased over the years. We especially think that the number of natural disasters has increased due to climate change over the years. TBd

Working plan – who does what:

|  |  |  |
| --- | --- | --- |
| To Do | Who | Due |
| Clean and transform data, write powerpoint, summary | P1, P2 | 18.12.2022 |
| Check for outliers | P3, P4 | 25.12.2022 |
| Check missing data | P3, P4 | 25.12.2022 |
| Check for inconsistencies | P3, P4 | 25.12.2022 |
| **Meeting:**  - decide what to do about outliers, missing data, inconsistencies | | 27.12.2022 |
| Adapt outliers, write powerpoint, summary | P3, P4 | 30.12.2022 |
| Adapt missing data, write powerpoint, summary | P3, P4 | 30.12.2022 |
| Adapt inconsistencies, write powerpoint, summary | P3, P4 | 01.01.2023 |
| Work on question a) and Visualize data, include description, find correlations, write powerpoint, summary | P1, P2 | 03.01.2023 |
| Work on question b) and Visualize data, include description, find correlations, write powerpoint, summary | P3 | 06.01.2023 |
| Work on question c) and Visualize data, include description, find correlations, write powerpoint, summary | P4 | 06.01.2023 |
| **Meeting:** Discuss problems | | 08.01.2023 |
| Layout and finalize summary | P? | 15.01.2023 |
| Layout and finalize presentaiton | P? | 15.01.2023 |
| **Meeting:** Final Discussion and decision who presents what | | 17.01.2023 |
| Upload zip (Jupyter notebook, 2-paged summary, used data) | P? | 20.01.2023 |
| **Presentation and after party** | | 24.01.2023 |