# DataViz-Project (Plan)

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| Group First and last names of all group members | * Penelope Plos * Nicole Cieplinski * Xenia Zbinden * Elisabeth Hermann |
| Topic  * What is the topic of your DataViz project? * Which thematic aspects should be addressed? * Which question(s) should the DataViz project answer? | Topic:- The topic of our project is the History of past Pandemics in Switzerland. **Thematic Aspects:**  - The development and spread of pandemics in Switzerland.  - Cases, mortality rates, and excess mortality across different time periods.  - The geographical distribution of pandemics and their impact on different cantons.  - The causes of deaths and epidemiological transitions over time.  **Questions to answer**:  - What trends and patterns can be observed in past pandemics?  - How did pandemics spread across Switzerland?  - How did mortality and morbidity rates change over time?  - Which regions were most affected, and why?  - What lessons can we learn from past pandemics to improve preparedness for future outbreaks? |
| MessageWrite a key message for your DataViz project. | By visualizing historical data on cases, mortality, and geographic spread, we can gain valuable insights into how pandemics evolved and how society responded. Learning from the past is key to protecting the future |
| TitleWrite a title based on your key message. The title can be provisional and can be changed later. | Lessons from the Past: Visualizing Switzerland’s Pandemic History to Prepare for the Future. |
| Visualization ProductWhat form should the visualization product take? For example, dashboard or data story? | We chose Data Story to present insights clearly and engagingly by combining visuals with narratives for better understanding. |
| Publication MediumWhere should your DataViz project be published, e.g., website of a company or organization, app, or intranet? | If the Visualizations are suitable, they will be published on the project website www.leaddata.ch |
| Target Group(s)Who is the target group?  Search data/information on the target group. This research will later help you to create the 2 personas. | - general public (interested in history and epidemiology, no knowledge - basic knowledge) - Researchers (deep knowledge) |
| Visualization  * How many visualizations are needed to adequately visualize the topic? * Which type(s) of visualization could be suitable? Static, dynamic? | **Dataset 1: approx. 3**  - Influenza/Covid deaths  - Compared to the population with influenza and Covid  - Excess mortality  **Dataset 2: approx. 7**  - Population of the individual cantons and Switzerland as a whole  - Influenza waves monthly and weekly (per canton and Switzerland)  - Comparison of influenza deaths and general deaths (per canton and Switzerland)  - Visualise 1957 and 1958 (weekly cases and monthly deaths)  **Dataset 3: approx. 3**  - Causes of death infectious diseases, respiratory organs, neoplasms, nervous system and circulatory organs, blood metabolism, digestive organs, haematopoietic system, violent death etc. by year  - Take a closer look at infectious diseases (subgroups) over the years  - Possibly also take a closer look at the other subgroups over the years   * Static since we have data that isn’t changing and is already past. |
| Sources List the sources you used for your DataViz project. Include which data sources you searched and which datasets you specifically used. | **The data sets come form the Project ‘** *Bridging the gap: Dialogues between scientists and the public, policymakers, and journalists about lost past pandemic experiences*.  The project is funded by the Swiss National Science Foundation (SNSF).’ From the leaddata website |