# DataViz-Project

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| Group First and last names of all group members | * Victoria Hummel * Gianmaria Pallecchi * Leonard Augustus Kieffer |
| Topic  * What should be the focus of the data visualization/project? * Which aspects should be addressed? * Which question(s) should the visualization answer? | Focus: Creating an interactive visualization map that displays the distribution of various types of livestock, such as cattle, sheep, and goats in Swiss municipalities.  Aspects to Address:  The geographical distribution and density of different livestock types.  Comparisons of livestock populations between different municipalities and cantons.  Questions to Answer:  What are the most common types of livestock in each Swiss commune?  How do livestock populations vary geographically within Switzerland?  Is there a correlation between human and livestock population in swiss communes? |
| MessageWhat is your key message? | The key message of the visualization is to showcase the diversity and distribution of livestock across Switzerland, highlighting the significance of livestock to rural economies and cultural landscapes. Additionally, the visualization illustrates the distribution of slaughterhouses throughout the country, emphasizing their strategic placement in relation to livestock density and their role in supporting local agricultural practices and the meat production industry. |
| TitleWhat title could the data visualization have? | Swiss Livestock |
| Publication MediumWhere could the data visualization(s) be published? | The visualization would be published on a dedicated but simple web-based interactive dashboard, potentially hosted on an educational or governmental platform to ensure accessibility for all audiences. |
| Target group(s)Which target group(s) do you want to reach?  à Personas | 1. policymakers interested in livestock management. Developing support programs for less developed regions can help improve their agricultural infrastructure. Preventing bottlenecks through the targeted distribution of slaughterhouse locations ensures efficient processing and reduces logistical issues. Additionally, providing guidance on breeding preferences and promoting genetic diversity and livestock health can enhance the overall productivity and sustainability of livestock farming.  Persona: "**Lukas**, a Swiss agricultural policy advisor, looking for detailed livestock distribution data to aid in decision-making.  2. farmers can make decisions about expanding or reducing their herds and plan and optimize breeding preferences.  Persona: " **Emma** is a livestock farmer, managing a mid-sized cattle farm with a focus on sustainability and genetic quality. She seeks accurate information to make informed decisions about herd expansion and breeding preferences, aiming to improve efficiency, productivity, and livestock health.” |
| Visualizations  * How many visualizations are needed? * Which type(s) of visualization are suitable? | Number Needed: Multiple visualizations integrated into a single, interactive map interface.  Types Suitable:  Choropleth maps for geographical distribution.  Pie charts or bar graphs for displaying livestock types within each commune when selected.  Infographics to convey quick facts and statistics. |

As a rough reference:

https://tierstatistik.identitas.ch/de/cattle-map-canton.html

Ein Bild, das Text, Screenshot, Karte enthält.

Automatisch generierte Beschreibung