Organization: Sight & Life
Website: sightandlife.org , egghub.org

Mission

To innovate in nutrition towards eradicating malnutrition in women of childbearing age and their children, and so improve the lives of the world's most vulnerable populations.

Context

Sight and Life is a humanitarian nutrition tank working to innovate in nutrition towards eradicating all forms of malnutrition. The organization informs, supports, designs, and incubates evidence-based malnutrition solutions. With decades of experience at the convergence of the public and private sectors, they are ideally positioned to catalyze innovative and much-needed collective action in nutrition.

Eggs, nature's multivitamin, play a critical role in the global fight against malnutrition. Sight and Life is working to ensure universal access to eggs by implementing innovative, climate-smart approaches to egg production and consumption in low and middle-income countries.

The organization requires a platform wherein one can access the statistics of eggs availability across the globe. This platform will be incorporated in the Egghub.org website which is currently live.

Challenge Statement

Sight and Life requires an application to facilitate these functionalities. –

- A live dashboard to display egg deficiency and egg surplus across the world.
- Publicly available data sourced from the following locations should be shown in the dashboard for different countries:
    - Sources for Supply map
        - The FAO (Food and agriculture Organization)
        - UNcomtrade (https://comtrade.un.org/)
    - Sources for Demand map
        - http://www.fao.org/faostat/en/#data
        - https://globalnutritionreport.org/nutrition-profiles/asia/western-asia/united-arab-emirates/
        - https://ourworldindata.org/food-per-person#protein-supply
        - https://www.internationalegg.com/
- The following parameters should be viewable country-wise on the Supply Map –
    - Number of eggs available per person, per year.
    - Number of eggs produced per year in the country (Volume and Value)
    - Imports and exports of shell eggs and egg powder per year. (will also have option of trade flow for a specific country using arrows depicting export and import.)
    - Producer price of a single egg (In USD)
- The following parameters should be viewable country-wise on the Demand Map –
    - Total population
    - Malnutrition data (stunting, anemia, wasting, undernutrition),
    - Protein consumption (source wise),
    - Egg consumption per person, per year
    - Retail price of a single egg (in USD)
- The dashboard should also enable the user to compare trends between different countries.

Additional Considerations

- Historical trend of countries in order to analyze the behavior of egg production and other parameters for a selected range of time period.

Technology Baseline

- No such technology baseline exists in order to accommodate this requirement.