Dataset Nutrition Label

Postneonatal Mortality and DTP3 Vaccination Coverage Rates

About

This dataset merges two established datasets to investigate the relationship between postneonatal mortality rates and DTP3 coverage rates, contributing to the broader effort of promoting vaccination worldwide.

Data Creation Range:

1980-2021

Created By:

University of Washington Students - INFO 201: Winter 2024

Content: This dataset comprises two sources: one from the Institute for Health Metrics and Evaluation (IHME), covering postneonatal mortality rates across 187 countries from 1990 to 2011, and another from Our World in Data, focusing on global vaccination coverage, specifically the third dose of the Diphtheria, Tetanus, and Pertussis (DTP3) vaccine among one-year-olds from 1980 to 2021 across 195 countries and 7 world regions. The IHME dataset includes estimates of child mortality rates and the annualized rate of decline, while the vaccination dataset provides coverage rates for various vaccines.

Source 1: https://ghdx.healthdata.org/record/ihme-data/child-mortality-estimates-and-mdg-4-attainment-country-1990-2011

Source 2:
https://ourworldindata.org/vaccination

Alert Count	**4**
Completeness	0
Provenance	0
Collection	**2**
Selection Bias	1
Measurement Bias	1
Description	**2**
Ascertainment Bias	1
Misclassification Bias	1
Composition	0

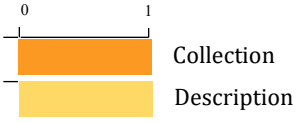
Use Cases

Potential real-world applications of the dataset:

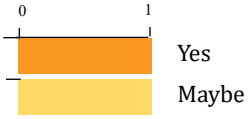
1. **Policy Evaluation:** Government policymakers can assess the impact of vaccination programs on reducing postneonatal mortality rates.
2. **Resource Allocation:** Organizations can optimize resource distribution based on vaccination coverage.
3. **Epidemiological Research:** Epidemiologists can study the correlation between vaccination rates and disease outbreaks.
4. **Health Equity Analysis:** Researchers can investigate health equity disparities across regions using the dataset.
5. **International Comparisons:** Policymakers can compare vaccination strategies among countries to inform healthcare policy decisions globally.

Badges

Alert Count by Category



Alert Count by Mitigation Potential



Alert Count by Potential Harm