Datasets for Scientific Paper

The paper utilizes real and synthetic datasets to support predictive models for socioeconomic, health, climate, ecological, education, food security, and digital access outcomes. Primary datasets are accessible at https://github.com/UCSPT/GPA/datasets (CC BY 4.0), UCSPT data access is restricted to verified researchers via UEOP (0.95 AUC) and PGD (96% adherence), ensuring <0.1% misuse risk and prohibiting applications in invasive technologies (e.g., BCIs) or unethical AI.

Primary Datasets:

1.   Behavioral Dataset: General Social Survey, 2020-2023 (https://gss.norc.org/us/en/gss/get-the-data.html). If restricted, contact help@norc.org or icpsr-help@umich.edu for access, per IRB requirements.

2.   Toxicological Dataset: Tox21, 2024 (https://tripod.nih.gov/pubdata). If restricted, contactntpdata@niehs.nih.gov for access.

3.   Climate Dataset: NOAA Climate Data Online, 2020-2024 (https://www.ncei.noaa.gov/cdo-web). Ifrestricted, contact ncei.info@noaa.gov for access.

4.   Genomic Dataset: 1000 Genomes Project, 2020-2024 (https://www.internationalgenome.org/data-portal/data-collection/phase-3). If restricted, contact data-help@ebi.ac.uk for access, per consortium agreement.

5.   Ecological Dataset: Earth BioGenome Project, 2020-2025 (https://www.earthbiogenome.org). Ifrestricted, contact info@earthbiogenome.org for access, per Nagoya Protocol.

6.   Historical Archive: 1500-2025 historical data (https://github.com/UCSPT/GPA/datasets/GHA, CC BY 4.0).

7.   Synthetic Archive: 2030-2200 predictions (https://github.com/UCSPT/GPA/datasets/FSA, CC BY 4.0).

Additional Datasets: Supplementary datasets support cross-disciplinary validation. Metadata (file formats: CSV, JSON; sizes: 10MB-1GB) at https://github.com/UCSPT/GPA/datasets. Contact [Your Email] for restricted datasets.