**Modeling Approach (Prediction Goal)**

The goal is to **predict perceived mental health status** using economic, social, and environmental predictors:

* **Regression Models:**
  + **Multivariate Linear Regression** (simple baseline).
  + **Time Series Regression** with exogenous variables (e.g., ARIMAX, SARIMAX).
  + **Random Forest Regression** or **XGBoost** for non-linear relationships.
* **Classification Models (Optional):**
  + If predicting mental health levels as categories (e.g., Good vs. Poor), use:
    - **Logistic Regression**
    - **Random Forest Classifier**
    - **Gradient Boosting Classifier**