1. Earthquake Data

Dataset: USGS Earthquake Catalog

Description: Includes earthquake location, magnitude, depth, and time.

Format: CSV, API available

Use: Train AI models for seismic pattern prediction

2. Flood Data

Dataset: Global Flood Database (GFDS)

Description: Satellite-based flood data from NASA and Dartmouth.

Format: Shapefile, GeoTIFF, CSV

Use: Train ML models for flood detection and impact prediction

3. Cyclone / Hurricane Data

Dataset: NOAA Hurricane Database (HURDAT2)

Description: Tracks of tropical cyclones from 1851 onward.

Format: Text/CSV

Use: Predict cyclone paths and intensity using time-series models.

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4. Weather and Environmental Data

Dataset: NASA POWER Data

Description: Meteorological and solar data for disaster forecasting.

Format: CSV, API

Use: Input for AI models detecting early signs of disasters.

5. Real-Time Sensor / IoT Data

Dataset: OpenWeatherMap API

Description: Real-time weather and environmental sensor data.

Format: JSON via API

Use: Real-time monitoring and AI model updates.

6. Satellite Imagery for Disaster Detection

Dataset: Sentinel Hub (Copernicus Program)

Description: Satellite imagery for floods, fires, and deforestation.

Format: GeoTIFF, JPG

Use: Train image classification models for disaster detection.

7. Historical Disaster Data

Dataset: EM-DAT: The International Disaster Database

Description: Historical data on all types of disasters worldwide.

Format: CSV

Use: General training and validation of AI prediction models.

8. Multilingual Chatbot Training (for alert system)

Dataset: Common Voice by Mozilla

Description: Open-source multilingual voice data.