

## Free Diagram Documentation

Link to schema: <https://app.quickdatabasediagrams.com/#/d/YG3XLa>

### DATA\_SOURCE

| Field       | Description | Type    | Default | Other |
|-------------|-------------|---------|---------|-------|
| DATA_SOURCE |             | VARCHAR |         | PK    |
| SOURCE_URL  |             | varchar |         |       |
| SOURCE_TYPE |             | varchar |         |       |

### NATURAL\_DISASTER

| Field       | Description | Type    | Default | Other  |
|-------------|-------------|---------|---------|--------|
| DATA_SOURCE |             | varchar |         | PK, FK |
| EVENT_ID    |             | varchar |         | PK     |
| event_date  |             | date    |         |        |
| event_type  |             | varchar |         |        |
| state       |             | varchar |         | FK     |
| event_rank  |             | integer |         |        |

### LOCATION

| Field          | Description | Type    | Default | Other    |
|----------------|-------------|---------|---------|----------|
| ZipCode        |             | VARCHAR |         | PK       |
| City           |             | VARCHAR |         |          |
| State          |             | VARCHAR |         | FK       |
| Latitude       |             | FLOAT   |         |          |
| Longitude      |             | FLOAT   |         |          |
| Classification |             | VARCHAR |         | NULLABLE |
| Population     |             | INTEGER |         | NULLABLE |

### FEMA

| Field               | Description | Type    | Default | Other      |
|---------------------|-------------|---------|---------|------------|
| ID                  |             | int     |         | PK         |
| DATA_SOURCE         |             | varchar |         | FK         |
| Disaster_Number     |             | varchar |         | FK, UNIQUE |
| IH_Program_Declared |             | boolean |         | NULLABLE   |
| IA_Program_Declared |             | boolean |         | NULLABLE   |
| PA_Program_Declared |             | boolean |         | NULLABLE   |
| HM_Program_Declared |             | boolean |         | NULLABLE   |
| State               |             | varchar |         | NULLABLE   |

| Field                      | Description | Type    | Default | Other    |
|----------------------------|-------------|---------|---------|----------|
| Declaration_Date           |             | date    |         |          |
| Disaster_Type              |             | varchar |         | NULLABLE |
| Incident_Type              |             | varchar |         | NULLABLE |
| Title                      |             | varchar |         | NULLABLE |
| Incident_Begin_Date        |             | date    |         |          |
| Incident_End_Date          |             | date    |         | NULLABLE |
| Disaster_Close_Out_Date    |             | date    |         | NULLABLE |
| Place_Code                 |             | integer |         | NULLABLE |
| Declared_County_Area       |             | varchar |         | NULLABLE |
| Declaration_Request_Number |             | integer |         | NULLABLE |

## WILD\_FIRE

| Field                   | Description | Type    | Default | Other      |
|-------------------------|-------------|---------|---------|------------|
| ID                      |             | int     |         | PK         |
| DATA_SOURCE             |             | varchar |         | FK         |
| OBJECTID                |             | varchar |         | FK, UNIQUE |
| X                       |             | FLOAT   |         |            |
| Y                       |             | FLOAT   |         |            |
| FOD_ID                  |             | INTEGER |         | NULLABLE   |
| FPA_ID                  |             | VARCHAR |         | NULLABLE   |
| SOURCE_SYSTEM_TYPE      |             | VARCHAR |         | NULLABLE   |
| SOURCE_SYSTEM           |             | VARCHAR |         | NULLABLE   |
| NWCG_REPORTING_AGENC    |             | VARCHAR |         | NULLABLE   |
| NWCG_REPORTING_UNIT_ID  |             | VARCHAR |         | NULLABLE   |
| NWCG_REPORTING_UNIT_N   |             | VARCHAR |         | NULLABLE   |
| SOURCE_REPORTING_UNIT   |             | INTEGER |         | NULLABLE   |
| SOURCE_REPORTING_UNIT_  |             | VARCHAR |         | NULLABLE   |
| LOCAL_FIRE_REPORT_ID    |             | INTEGER |         | NULLABLE   |
| LOCAL_INCIDENT_ID       |             | VARCHAR |         | NULLABLE   |
| FIRE_CODE               |             | VARCHAR |         | NULLABLE   |
| FIRE_NAME               |             | VARCHAR |         | NULLABLE   |
| ICS_209_INCIDENT_NUMBER |             | VARCHAR |         | NULLABLE   |
| ICS_209_NAME            |             | VARCHAR |         | NULLABLE   |
| MTBS_ID                 |             | VARCHAR |         | NULLABLE   |
| MTBS_FIRE_NAME          |             | VARCHAR |         | NULLABLE   |
| COMPLEX_NAME            |             | VARCHAR |         | NULLABLE   |
| FIRE_YEAR               |             | INTEGER |         |            |

| Field            | Description | Type    | Default | Other    |
|------------------|-------------|---------|---------|----------|
| DISCOVERY_DATE   |             | DATE    |         |          |
| DISCOVERY_DOY    |             | INTEGER |         |          |
| DISCOVERY_TIME   |             | INTEGER |         | NULLABLE |
| STAT_CAUSE_CODE  |             | INTEGER |         | NULLABLE |
| STAT_CAUSE_DESCR |             | VARCHAR |         | NULLABLE |
| CONT_DATE        |             | DATE    |         | NULLABLE |
| CONT_DOY         |             | INTEGER |         | NULLABLE |
| CONT_TIME        |             | INTEGER |         | NULLABLE |
| FIRE_SIZE        |             | FLOAT   |         | NULLABLE |
| FIRE_SIZE_CLASS  |             | VARCHAR |         | NULLABLE |
| LATITUDE         |             | FLOAT   |         | NULLABLE |
| LONGITUDE        |             | FLOAT   |         | NULLABLE |
| OWNER_CODE       |             | INTEGER |         | NULLABLE |
| OWNER_DESCR      |             | VARCHAR |         | NULLABLE |
| STATE            |             | VARCHAR |         | NULLABLE |
| COUNTY           |             | INTEGER |         | NULLABLE |
| FIPS_CODE        |             | INTEGER |         | NULLABLE |
| FIPS_NAME        |             | VARCHAR |         | NULLABLE |

## EARTHQUAKE

| Field            | Description | Type    | Default | Other      |
|------------------|-------------|---------|---------|------------|
| ID               |             | int     |         | PK         |
| DATA_SOURCE      |             | varchar |         | FK         |
| EQ_ID            |             | VARCHAR |         | FK, UNIQUE |
| Date             |             | VARCHAR |         |            |
| Time             |             | VARCHAR |         | NULLABLE   |
| Latitude         |             | FLOAT   |         |            |
| Longitude        |             | FLOAT   |         |            |
| Type             |             | VARCHAR |         | NULLABLE   |
| Depth            |             | FLOAT   |         | NULLABLE   |
| Magnitude        |             | FLOAT   |         | NULLABLE   |
| Magnitude_Type   |             | VARCHAR |         | NULLABLE   |
| Source           |             | VARCHAR |         | NULLABLE   |
| Location_Source  |             | VARCHAR |         | NULLABLE   |
| Magnitude_Source |             | VARCHAR |         | NULLABLE   |
| Status           |             | VARCHAR |         | NULLABLE   |

## TORNADO

| Field       | Description | Type    | Default | Other      |
|-------------|-------------|---------|---------|------------|
| ID          |             | int     |         | PK         |
| DATA_SOURCE |             | varchar |         | FK         |
| om          |             | varchar |         | FK, UNIQUE |
| yr          |             | INTEGER |         |            |
| mo          |             | INTEGER |         |            |
| dy          |             | INTEGER |         |            |
| date        |             | VARCHAR |         |            |
| time        |             | VARCHAR |         | NULLABLE   |
| tz          |             | INTEGER |         | NULLABLE   |
| st          |             | VARCHAR |         | NULLABLE   |
| stf         |             | INTEGER |         | NULLABLE   |
| stn         |             | INTEGER |         | NULLABLE   |
| mag         |             | INTEGER |         | NULLABLE   |
| inj         |             | INTEGER |         | NULLABLE   |
| fat         |             | INTEGER |         | NULLABLE   |
| loss        |             | INTEGER |         | NULLABLE   |
| closs       |             | INTEGER |         | NULLABLE   |
| slat        |             | FLOAT   |         |            |
| slon        |             | FLOAT   |         |            |
| elat        |             | FLOAT   |         | NULLABLE   |
| elon        |             | FLOAT   |         | NULLABLE   |
| len         |             | FLOAT   |         | NULLABLE   |
| wid         |             | INTEGER |         | NULLABLE   |
| ns          |             | INTEGER |         | NULLABLE   |
| sn          |             | INTEGER |         | NULLABLE   |
| sg          |             | INTEGER |         | NULLABLE   |
| f1          |             | INTEGER |         | NULLABLE   |
| f2          |             | INTEGER |         | NULLABLE   |
| f3          |             | INTEGER |         | NULLABLE   |
| f4          |             | INTEGER |         | NULLABLE   |
| fc          |             | INTEGER |         | NULLABLE   |