Data Table Schema

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**Marine Litter Watch**

**Description:**

Data pulled from the Marine Litter Watch app in Europe tracking the beach cleanups on surrounding coasts.

*10 Columns, 3414 Rows*

**Source**: [Marine Litter Watch: Litter on the beach | Kaggle](https://www.kaggle.com/datasets/maartenvandevelde/marine-litter-watch-19502021?select=MLW_Data.csv)

|  |  |  |
| --- | --- | --- |
| Field | Type | Description |
| CommunityName | String | Name of the organizing community |
| BeachName | String | Name of the beach where event occurred |
| BeachCountrycode | String | Country Code |
| BeachRegionalSea | String | Name of the sea in beaches region |
| BeachLength\_m | Integer | Length of the beach (meters) |
| BeachLocation | String | Type of (washup) beach location |
| BeachType | String | Type of beach |
| EventDate | Integer | Date of the event |
| EventType | String | Type of event |
| WasteInstances | Integer | Number of occurrences of recorded marine waste |
| G Columns | Integer | Reference for waste occurrences by type (per MLW\_Meta table) |

**Marine Litter Watch**

**Notes:** In order to decrease the scope of the original dataset, I added the WasteInstances column to SUM the total number of marine waste occurrences recorded during each cleanup. The original dataset has these broken down into 100+ various types of waste materials (seen in the G-labeled columns, described in the metadata).

Table

Description automatically generated

# Mismanaged plastic waste

# Description:

“Mismanaged waste is material which is at high risk of entering the ocean via wind or tidal transport, or carried to coastlines from inland waterways. Inadequately disposed waste is that which has the intention of being managed through waste collection or storage sites, but is ultimately not formally or sufficiently managed. This includes disposal in dumps or open, uncontrolled landfills; this means the material is not fully contained and can be lost to the surrounding environment. This makes it at risk of leakage and transport to the natural environment and oceans via waterways, winds and tides.”

*5 columns, 194 rows*

**Source:** [Kaggle Mismanaged plastic waste](https://www.kaggle.com/datasets/kkhandekar/mismanaged-plastic-waste-around-the-world)

|  |  |  |
| --- | --- | --- |
| Field | Type | Description |
| country | String | Name of the country |
| Total\_MismanagedPlasticWaste\_2010 | Integer | Total mismanaged plastic waste in 2010 – measured in millions of tones |
| Total\_MismanagedPlasticWaste\_2019 | Integer | Total mismanaged plastic waste in 2019 – measured in millions of tones |
| Mismanaged\_PlasticWaste\_PerCapita\_2010 | Float | Mismanaged plastic waste per capita in 2010 – measured in kilograms per year |
| MismanagedPlasticWaste\_PerCapita\_2019 | Float | Mismanaged plastic waste per capita in 20190 – measured in kilograms per year |

**Share of Global Plastic Waste Emitted to the Ocean**

**Description:**

Amount of plastic emitted to the ocean via the world’s rivers by country

*4 columns, 171 rows*

**Source:** [Share of global plastic waste emitted to the ocean, 2019 (ourworldindata.org)](https://ourworldindata.org/grapher/share-of-global-plastic-waste-emitted-to-the-ocean?tab=table&country=Africa~Asia~Europe~South+America~North+America~Oceania)

|  |  |  |
| --- | --- | --- |
| Field | Type | Description |
| Entity | String | Name of the country |
| Code | String | Country Code |
| Year | Integer | Year of collected data |
| Share of global plastics emitted to ocean | Float | Amount of plastic emitted to oceans by nearby rivers – percentage |

**Global Plastic Fate**

**Description:**

”How has global plastic waste disposal method changed over time? In the chart we see the share of global plastic waste that is discarded, recycled or incinerated from 1980 through to 2015. Prior to 1980, recycling and incineration of plastic was negligible; 100 percent was therefore discarded. From 1980 for incineration, and 1990 for recycling, rates increased on average by about 0.7 percent per year. In 2015, an estimated 55 percent of global plastic waste was discarded, 25 percent was incinerated, and 20 percent recycled.”

*3 columns, 109 rows*

Sources: [How Do We Dispose of our plastic?](https://ourworldindata.org/plastic-pollution" \l "global-plastic-fate)

<https://drive.google.com/file/d/1sQru93objCouvTCk5PYPWAcMMI-6x-A9/view?usp=sharing>

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| **Entity** | String | Plastic disposal methods: discarded, recycled, or incinerated? |
| **Year** | Integer | Yearly comparison from 1980 to 2015 |
| **Estimated Historic Plastic Fate** | Float | Estimated Plastic Fate Percent |

Also See **global plastic waste chart by disposal, 1980 to 2015** next page

Chart, funnel chart

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