

Week-9 Final Project Documentation

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Webpage link

<https://zhizyii.github.io/>

Project Documentations

1. What is the topic that you have finalized? (Answer in 1 or 2 sentences)

- **Topic:** Greenhouse Gas Emissions Trends in the World
- Analyzing Greenhouse Gas Emissions Trends based on:
 - industry

```
library(dplyr)

##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union

# read csv file
data <- read.csv("Annual_Greenhouse_Gas_(GHG)_Air_Emissions_Accounts.csv")
distinct(data, Industry)

##
##                                     Industry
## 1                               Agriculture, Forestry and Fishing
## 2                                   Construction
## 3      Electricity, Gas, Steam and Air Conditioning Supply
## 4                                   Manufacturing
## 5                                   Mining
## 6                               Other Services Industries
## 7                                   Total Households
## 8      Total Industry and Households
## 9                               Transportation and Storage
## 10 Water supply; sewerage, waste management and remediation activities
```

– region

```
distinct(data, Country)
```

```
##                Country
## 1      Advanced Economies
## 2                Africa
## 3              Americas
## 4                Asia
## 5    Australia and New Zealand
## 6              Central Asia
## 7              Eastern Asia
## 8              Eastern Europe
## 9    Emerging and Developing Economies
## 10             Europe
## 11              G20
## 12              G7
## 13    Latin America and the Caribbean
## 14             Northern Africa
## 15             Northern America
## 16             Northern Europe
## 17              Oceania
## 18             South-eastern Asia
## 19             Southern Asia
## 20             Southern Europe
## 21             Sub-Saharan Africa
## 22             Western Asia
## 23             Western Europe
## 24              World
```

– gas types

```
distinct(data, Gas_Type)
```

```
##          Gas_Type
## 1    Carbon dioxide
## 2 Fluorinated gases
## 3    Greenhouse gas
## 4          Methane
## 5    Nitrous oxide
```

2. What are the data sources that you have curated so far? (Answer 1 or 2 sentences)

- Annual greenhouse gas emissions by activity and by region (2010 to 2021)