```
setwd("..//")
library(dplyr)
source("data/utils/geography.R")
ghg df <- read.csv('data/total-ghg-emissions.csv') %>%
  # Rename columns
  rename('co2eq' = Annual.greenhouse.gas.emissions.in.CO..equivalents) %>%
  # Convert from tonnes to kilograms
 mutate(co2eq = co2eq * 1000) %>%
  rename('Country' = Entity) %>%
  # Filter to most recent year
  filter(Year == max(Year)) %>%
  # Filter to country-level
  filter(Code != '') %>%
  merge(stack(regions), by.x = "Code", by.y = "values", all.x = T) %>%
  # Rename columns
  dplyr::rename('region' = ind) %>%
  # Link continents
 merge(stack(continents), by.x = "region", by.y = "values", all.x = T) %>%
  # Rename columns
  dplyr::rename('continent' = ind)
Numcars <- read.csv('data/Number of Cars Per Country.csv')
EU_dieselandpetrol <- read.csv('data/road_eqs_carpda_page_spreadsheet.csv') %>%
  dplyr::rename('Country' = GEO..Labels.) %>%
  dplyr::rename('percent_Petroleum' = X..Petroleum) %>%
  dplyr::rename('percent_Diesel' = X..Diesel)
oil_Eff <- read.csv('data/Improving Oil Efficency - Average Fuel Consumption.csv') %>%
  dplyr::rename('Country' = X ) %>%
  dplyr::rename('km per letre' = X.2)
distancetravelled <- read.csv('data/average distance by car.csv') %>%
  dplyr::rename('km by car' = km.travelled.by.car.per.annum)
country var <- ghg df$Code
km increase in efficiency <- c(0:20)
total increase in efficiency <- merge(</pre>
 ghg_df, Numcars[c('Country', 'Total_Car')], by='Country', all.x = T) %>%
merge(oil_Eff[,c('Country', 'km_per_letre')], by='Country', all.x = T) %>%
 merge(EU_dieselandpetrol[,c('Country', 'percent_Petroleum')], by='Country', all.x = T)
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  merge(EU_dieselandpetrol[,c('Country', 'percent_Diesel')], by='Country', all.x = T)
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 merge(distancetravelled[,c('Country', 'km_by_car')], by='Country', all.x = T) %>%
 mutate(
    impute_flag_petrol = ifelse(is.na(percent_Petroleum), "*",''),
    impute_flag_diesel = ifelse(is.na(percent_Diesel), "*",''),
    percent_Petroleum = if_else(
      impute_flat_petrol == "*", mean(percent_Petroleum, na.rm = T), percent_Petroleum),
    percent_Diesel = if.else(
      impute flat_diesel == "*", mean(percent_Diesel, na.rm = T), percent_Diesel),)
  group_by(region) %>%
  mutate(
    impute_flag_kmperletre = ifelse(is.na(km_per_letre), "**", ''),
    km per letre = if else(
      impute_flag_kmperletre == "**", mean(km_per_letre, na.rm = T), km_per_letre)
  #The impute thing does not work (I was basing it off of the reduce flight code)
```