Exploratory Data Analysis for EU ETS

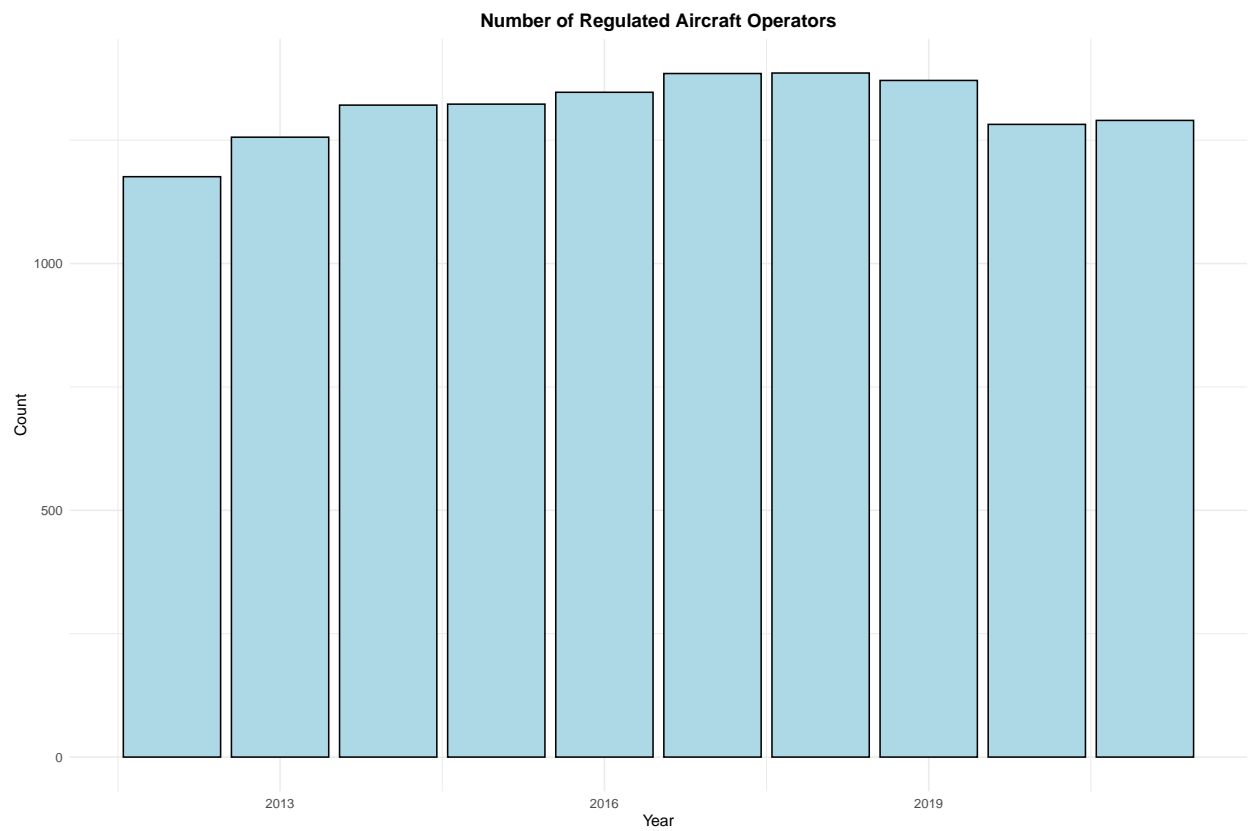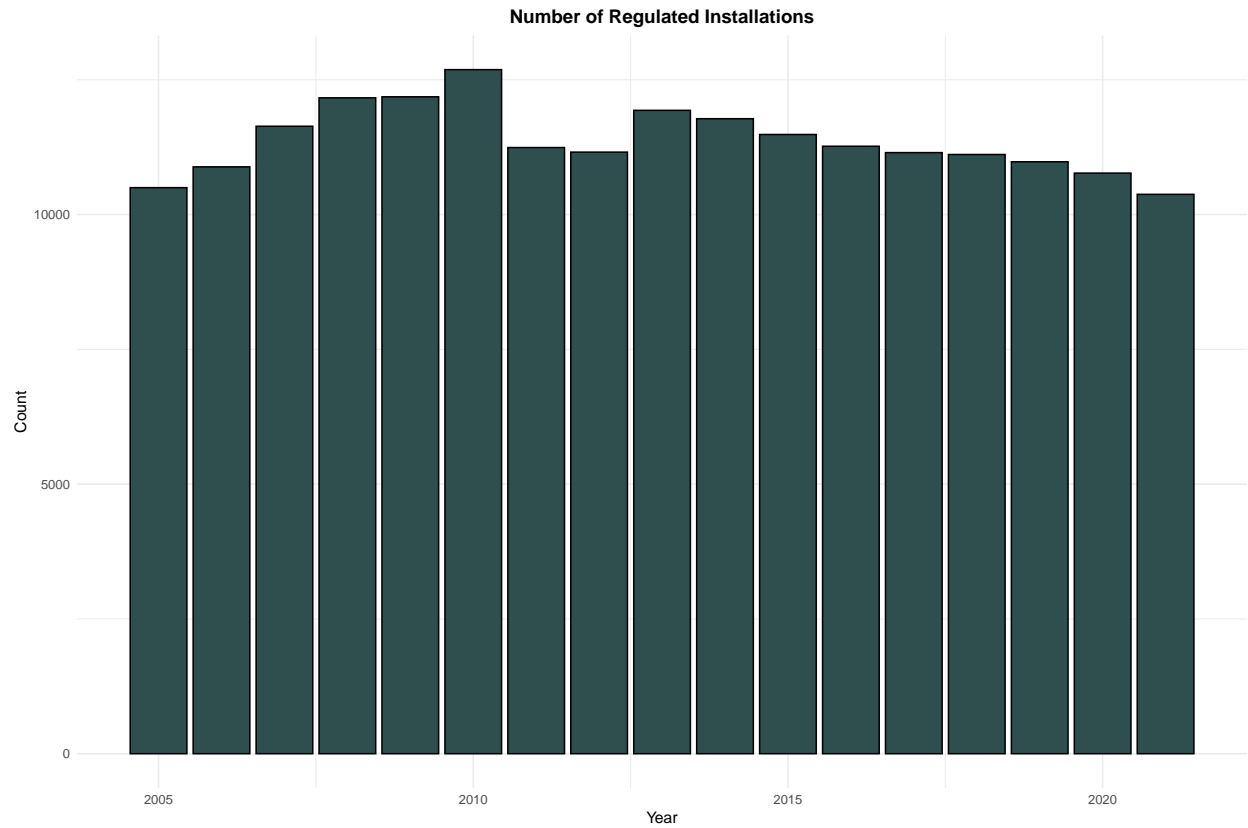This is an R notebook that documents the EDA for the EU ETS.

Data Overview

The table below summarises the number of unique observations for different variables. There are 17,281 * 17 = 302,957 unique installation-year.

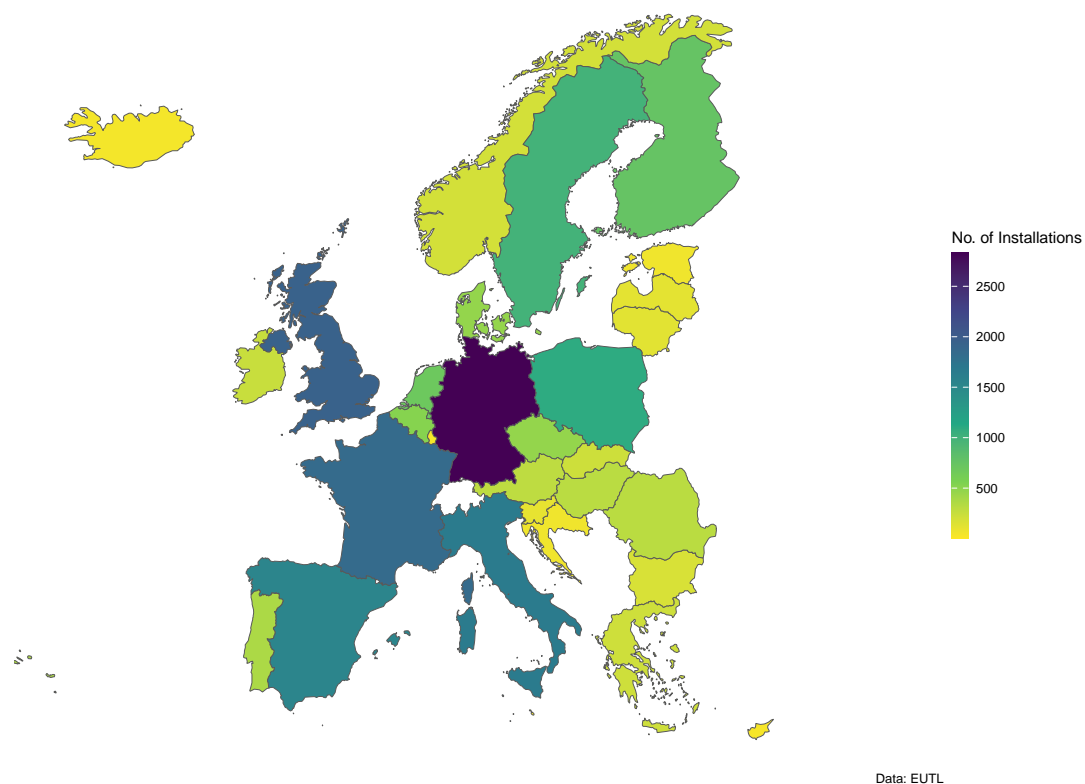| Variables	Unique Values
Account Holder ID	11605
Account ID	18782
Installation ID	17821
Compliance Year	17

Regulated Entities

The EU ETS covers both the installations and aircraft operators, with the latter being regulated starting from 2012. The two figures below show the number of regulated entities in each year for installations and aircraft operators, respectively.

Number of Regulated Installations

Count

10000

5000

0

2005   2010   2015   2020

Year

Number of Regulated Aircraft Operators

Count

1000

500

0

2013   2016   2019

Year

The plot below shows the number of ever regulated installations in by each countries.

Number of Ever Regulated Installations by Country
From 2005 to 2021

Data: EUTL

Regulated entities by EU ETS regulated activities, regrouped by acivitiy category.

Number of Ever−Regulated Entities by Activity Category