

## Statement of Purpose

The electric vehicle market is segmented into four distinct categories: cars, buses, vans, and trucks. China experienced a substantial surge in the stock of electric vehicles from 2019 to 2021, with cars being the primary contributor to this growth. The purpose of this visualization is to illustrate the dominance of cars in this expansion.

## Note

1. Data comes from International Energy Agency (IEA). The tidy format of data imported in Tableau has been processed in R, with the R code below.

```
1 library(readr)
2 library(tidyverse)
3 library(writexl)
4
5 # data wrangling
6
7 temp_2 <-
8   read_csv('data_own/IEA-EV-data.csv') %>%
9   filter(region %in% c('China')) %>%
10  filter(year %in% c(2019, 2021)) %>%
11  filter(parameter == 'EV stock',
12         category == 'Historical') %>% |
13  select(mode, year, value)
14
15 # export the data, and use it in Tableau
16
17 write_xlsx(temp_2, 'data_own/assigment6_chinaEV_19to21.xlsx')
18
```

2. My Tableau software appears to be unable to export a PDF file, which makes it impossible for me to refine the generated image using Adobe Illustrator. When I attempted to select the "Print" option, I received a message stating that no printer is installed. Thus, I am unable to select the option to print to PDF.