Aviation Demand plots

Total Aviation Demand

EDGE−T scenarios

- SSP1_noCOVID
- SSP1
- SSP2_noCOVID
- SSP2
- SSP5_noCOVID
- SSP5

Reference scenarios

- reference AIM, SSP1
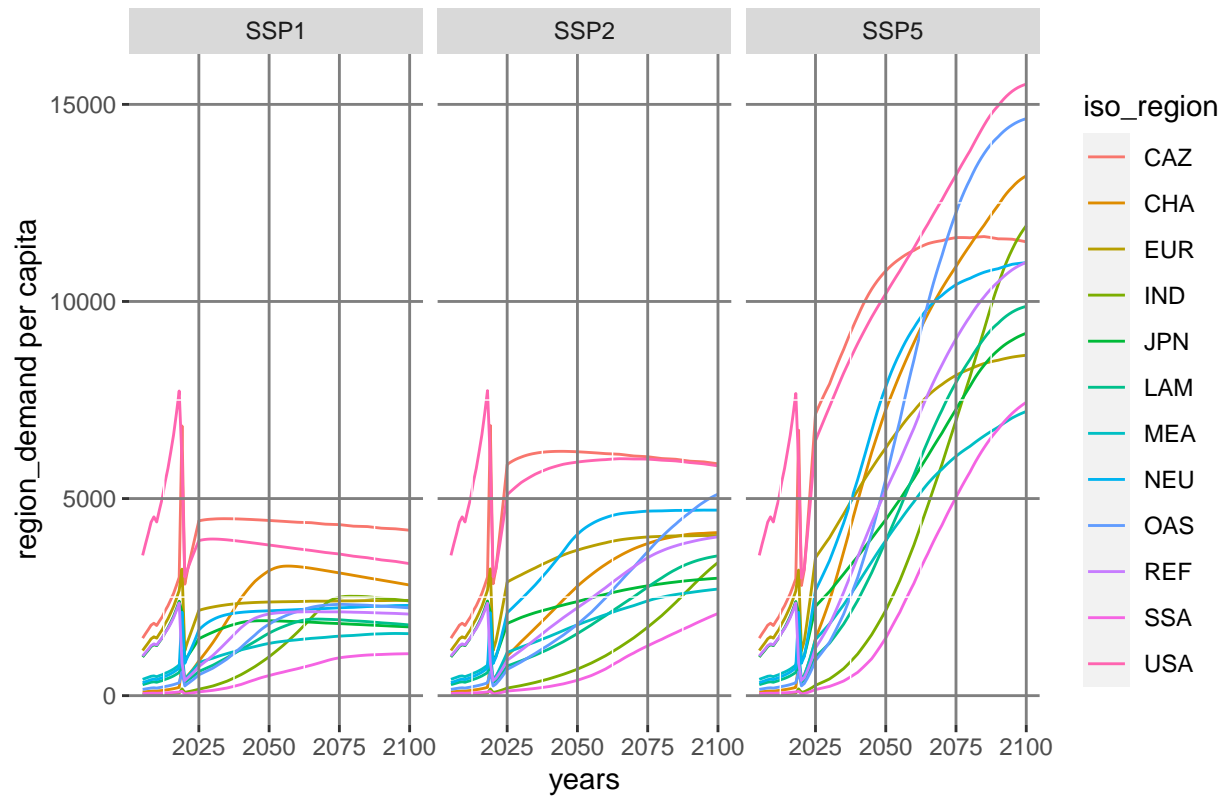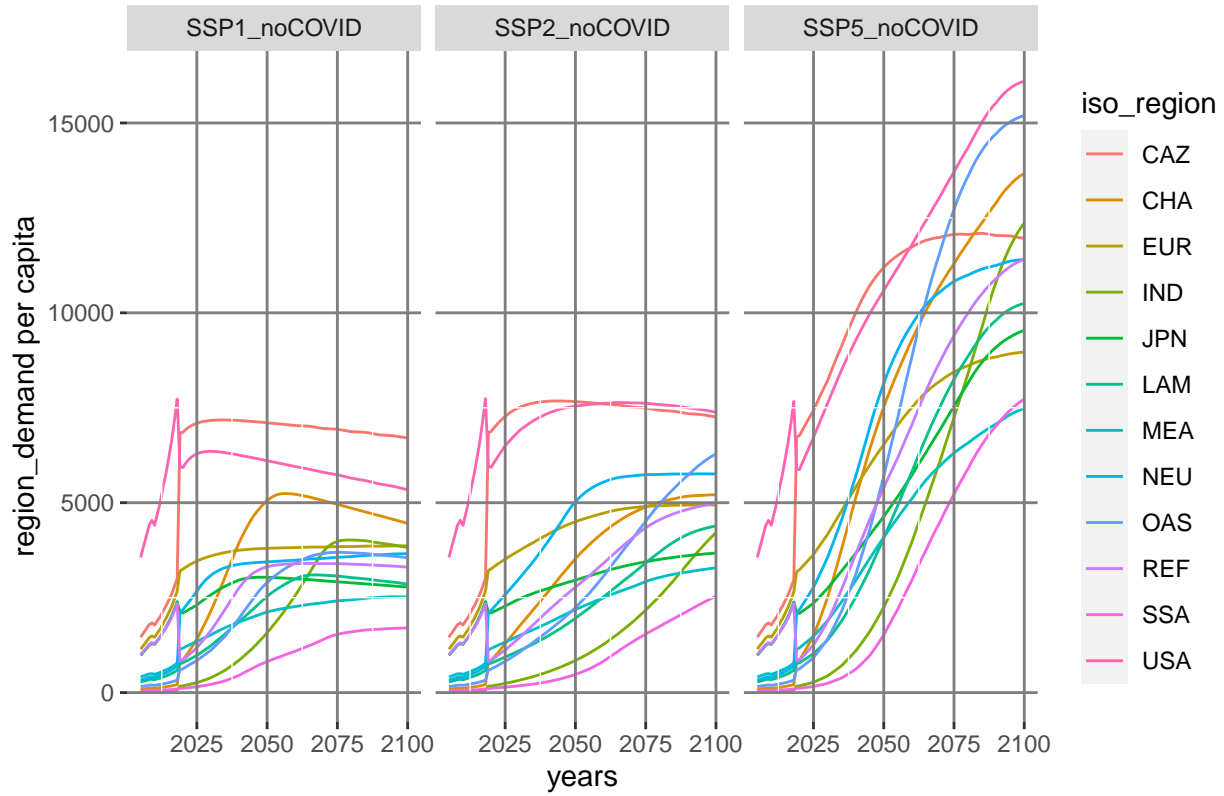- reference AIM, SSP2
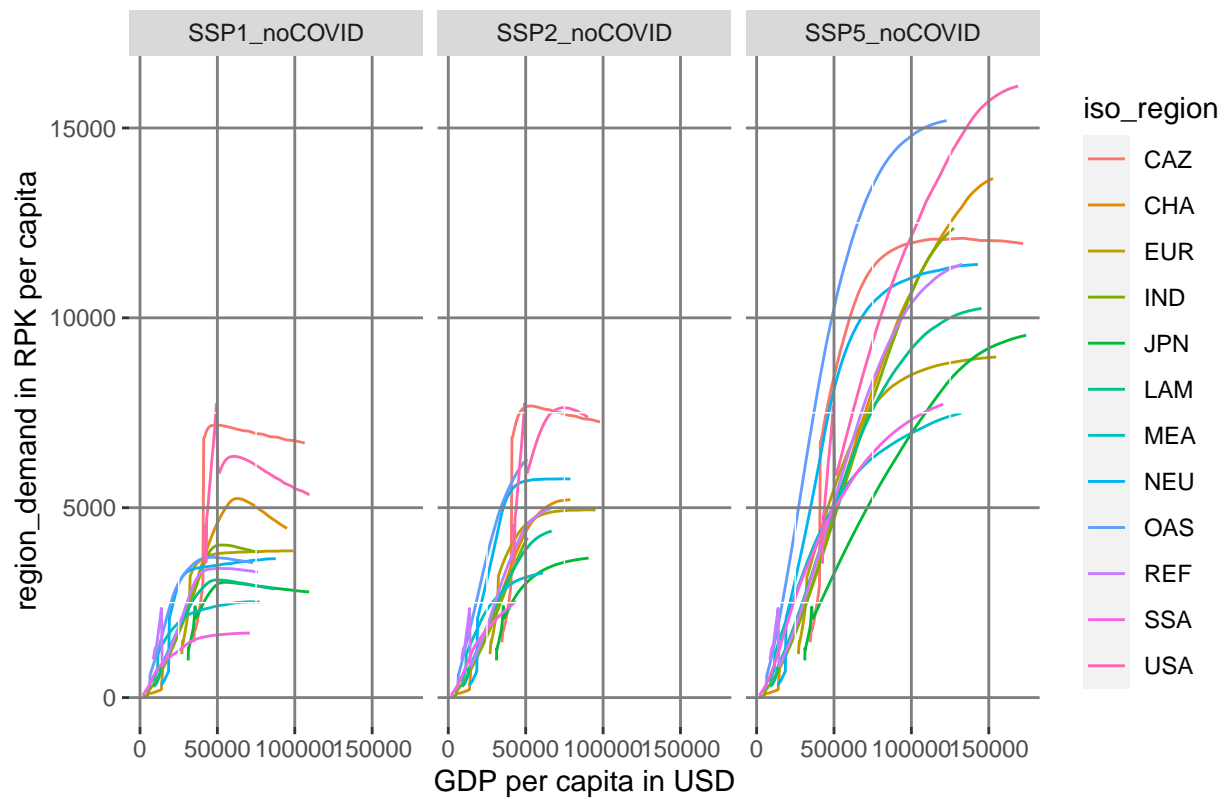- reference AIM, SSP5
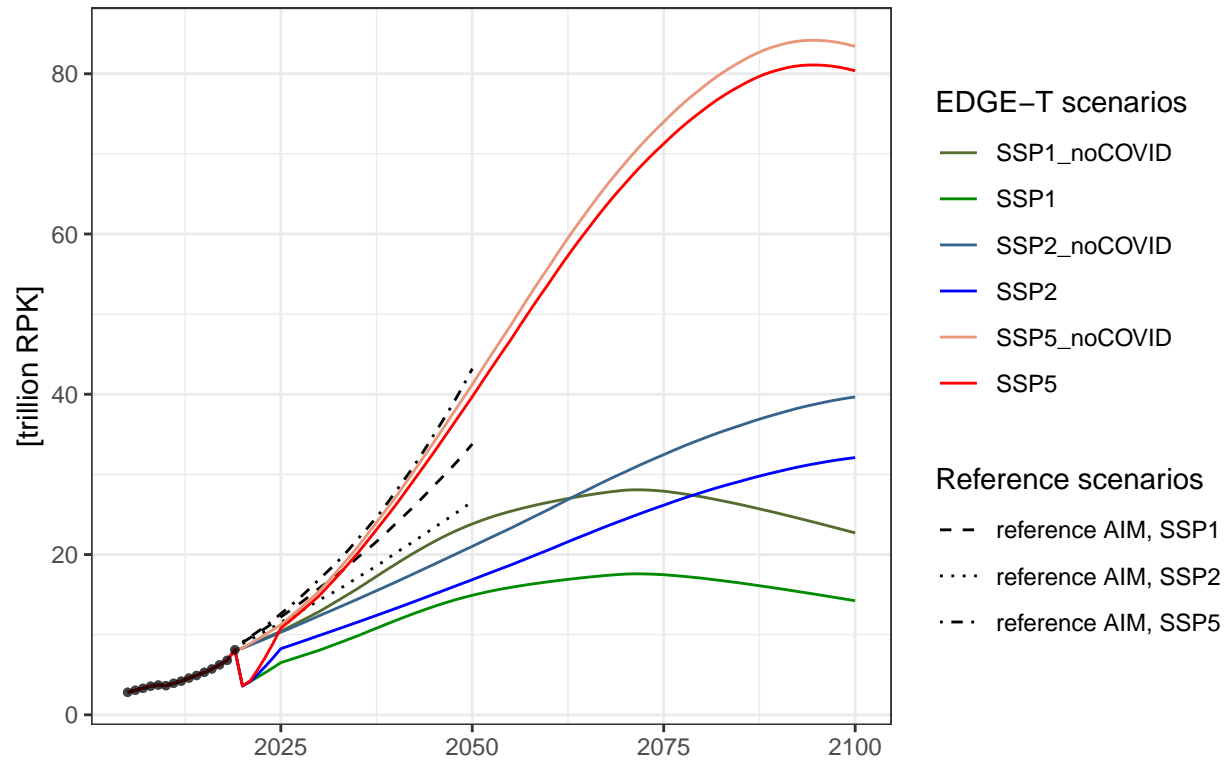
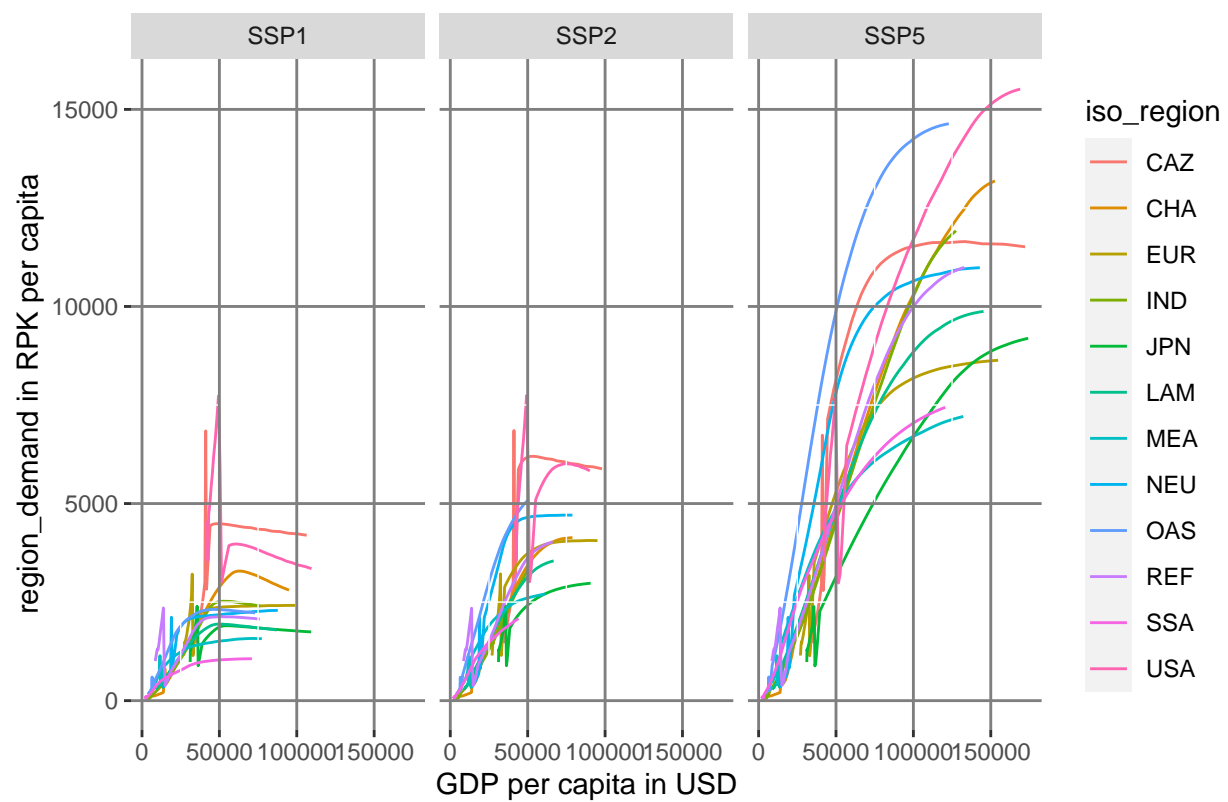Total Aviation Demand
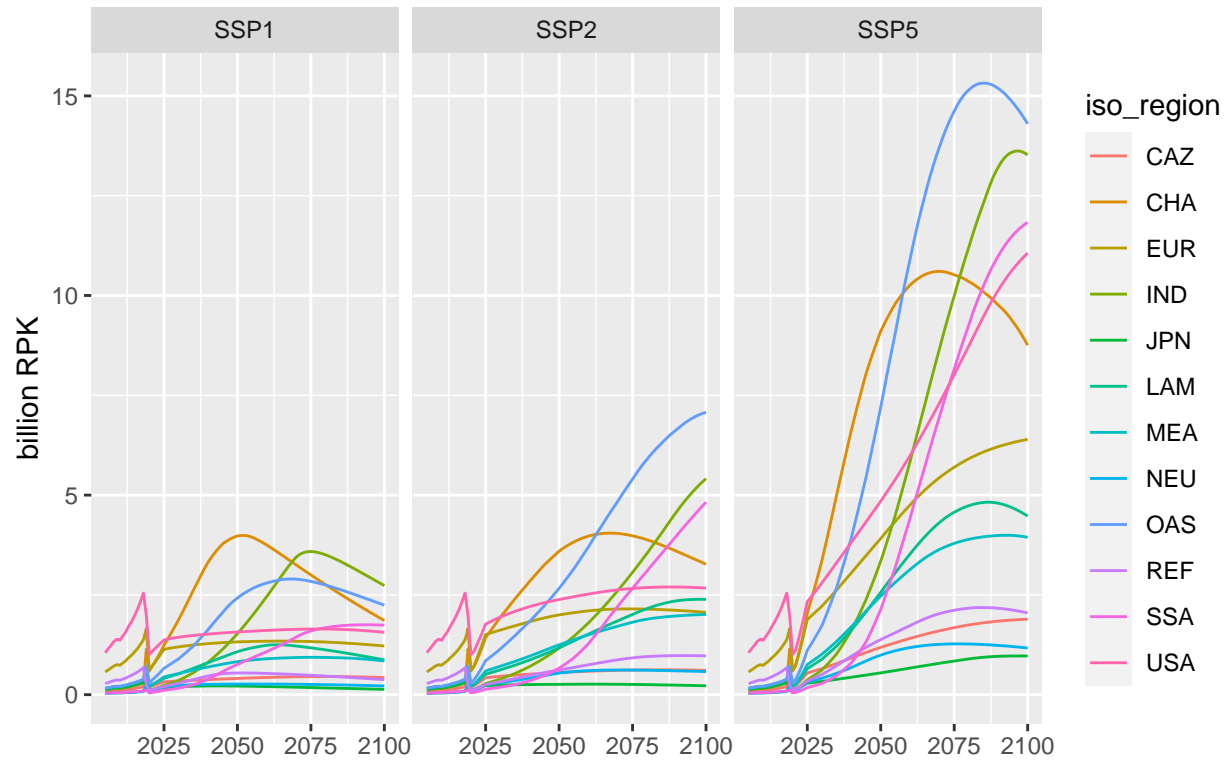
Total per capita Aviation Demand
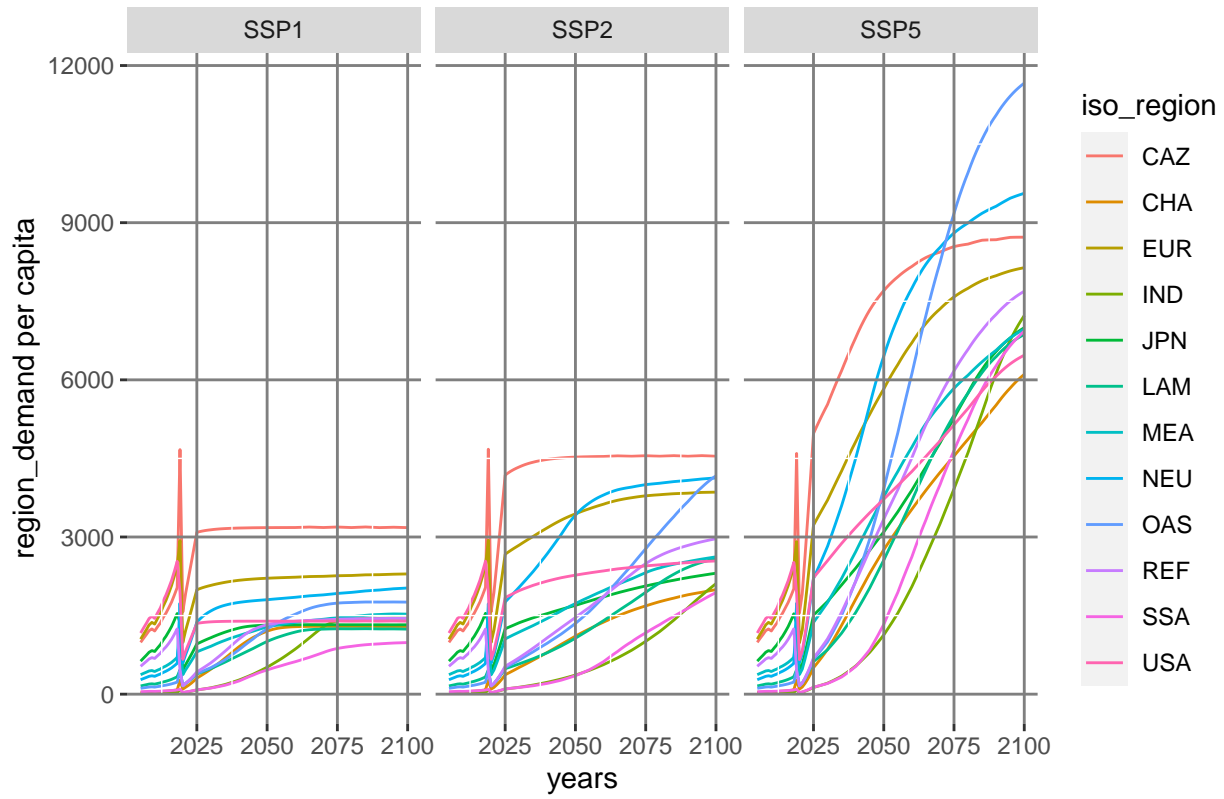
Total per capita Aviation Demand non COVID
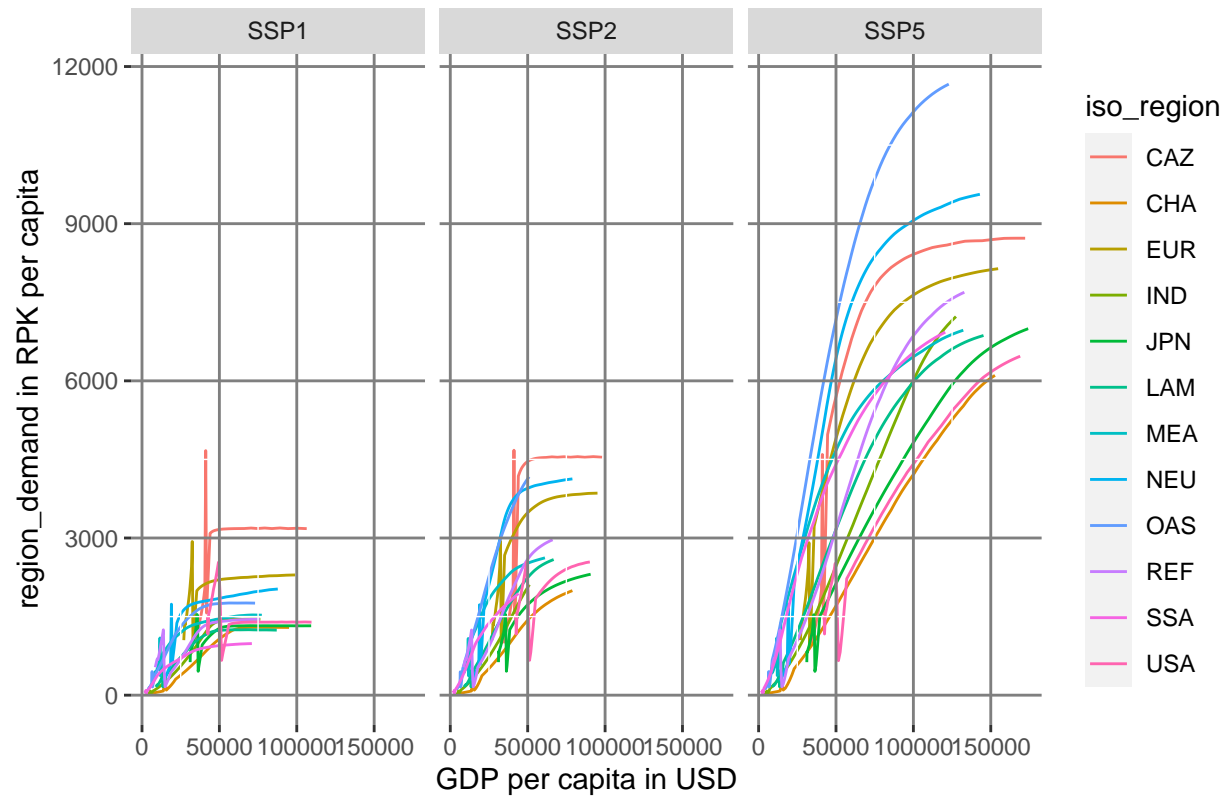
5

RPK per capita per GDP per capita non COVID

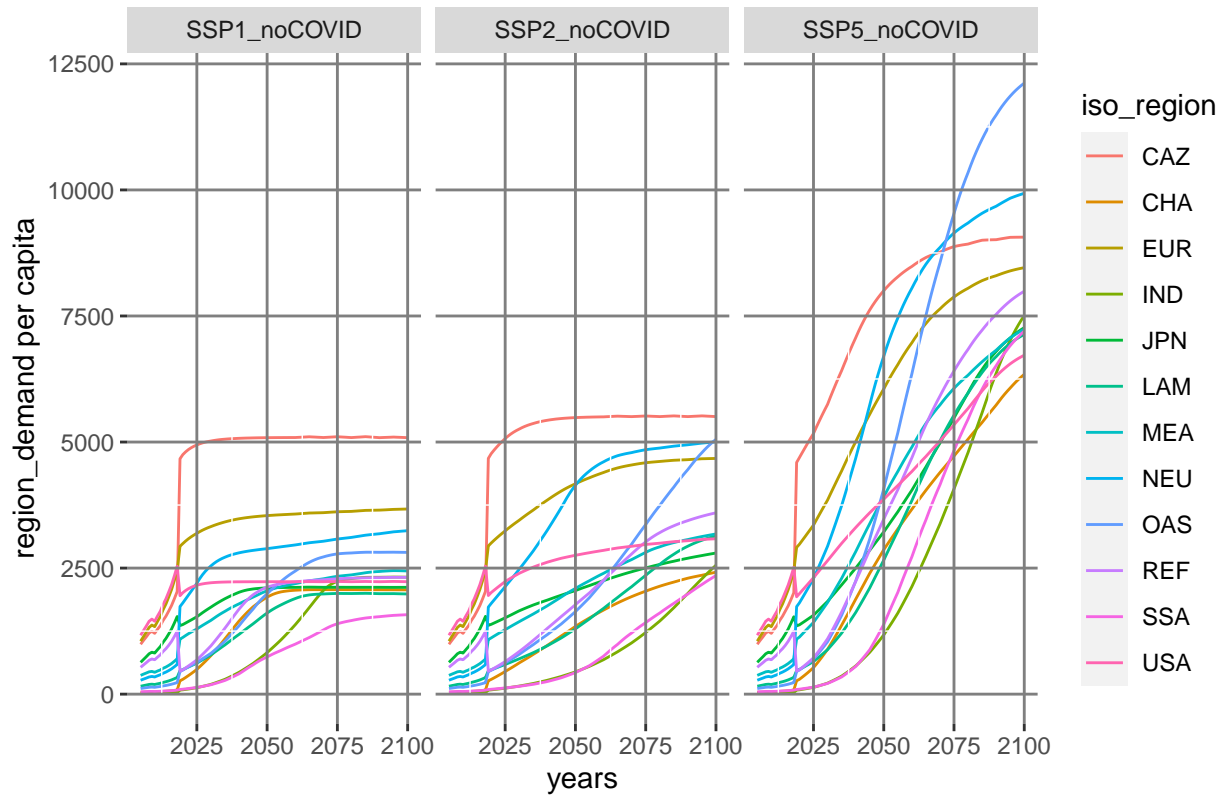## RPK per capita per GDP per capita COVID

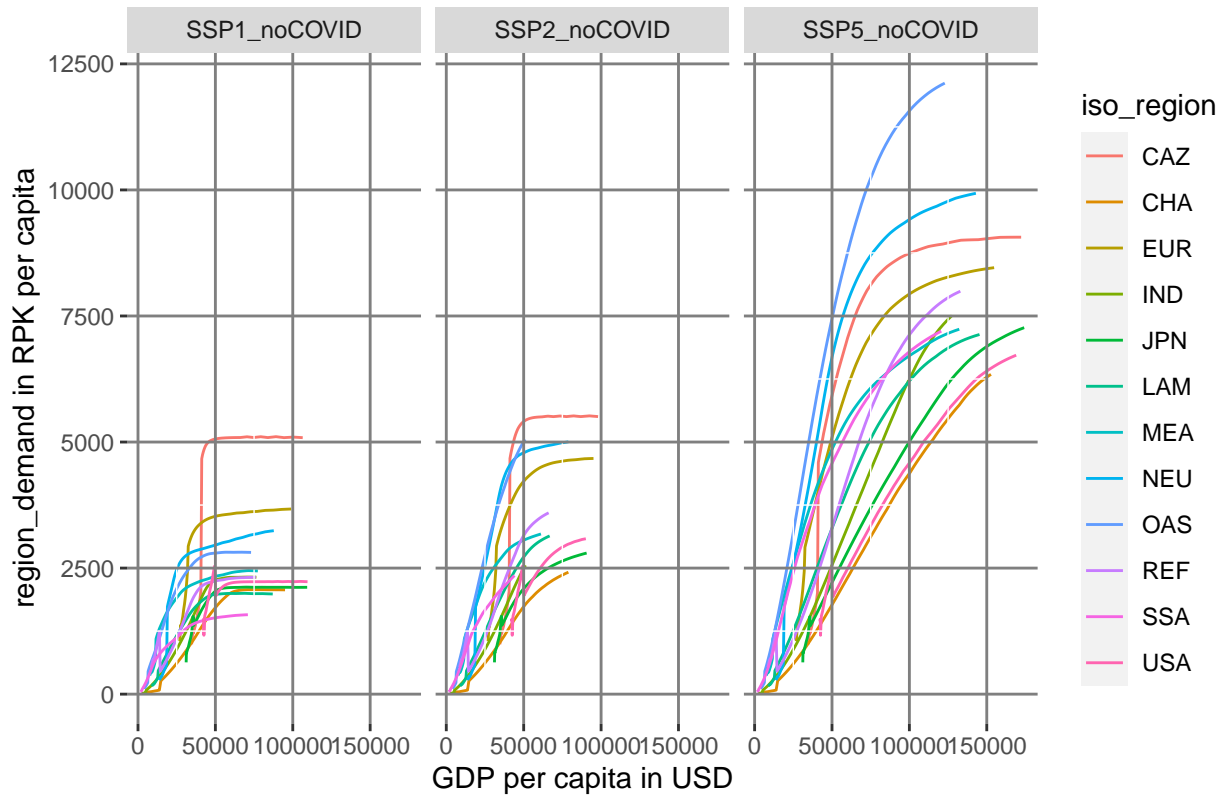# International per capita Aviation Demand COVID

International RPK per capita per GDP per capita COVID

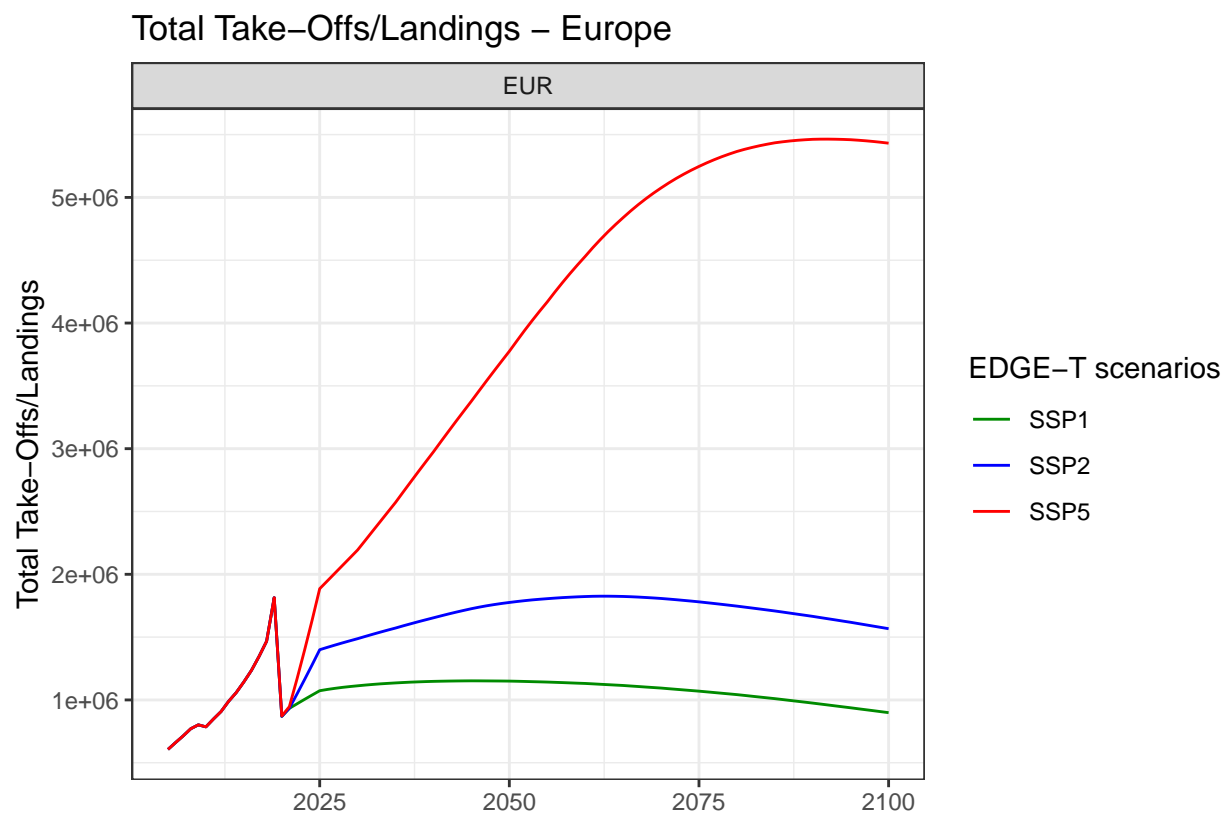International per capita Aviation Demand non COVID

International RPK per capita per GDP per capita no COVID

Total Take−Offs/Landings − Europe

Total Take−Offs/Landings − Sub−Saharan Africa
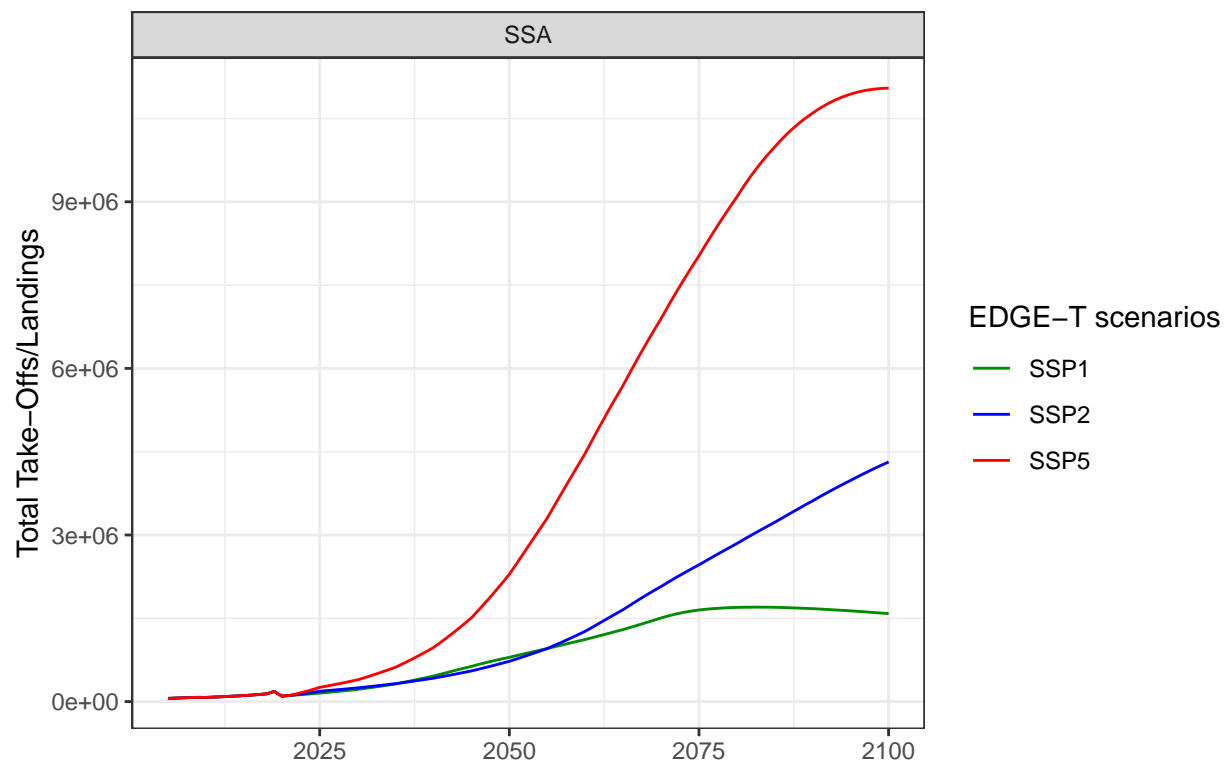
International Fuel Demand in Million barrels per day

Domestic Fuel Demand in Million barrels per day

Fuel Efficiency curves – indexed in 2018

EDGE−T scenarios & Reference scenarios

— IATA − reference

— SSP1

— SSP2

— SSP5

Total Fuel Demand in million barrels per day

Global Average Income Elasticity
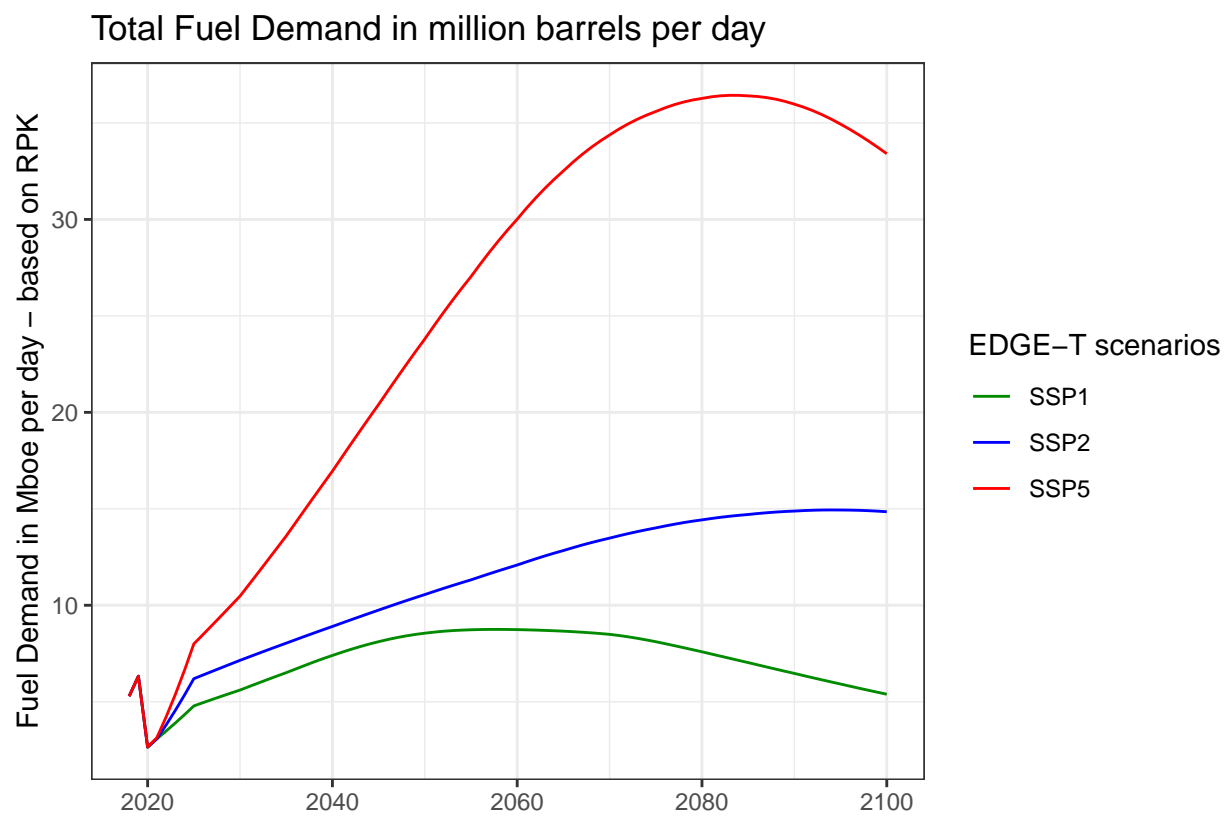
Regional Average Income Elasticity
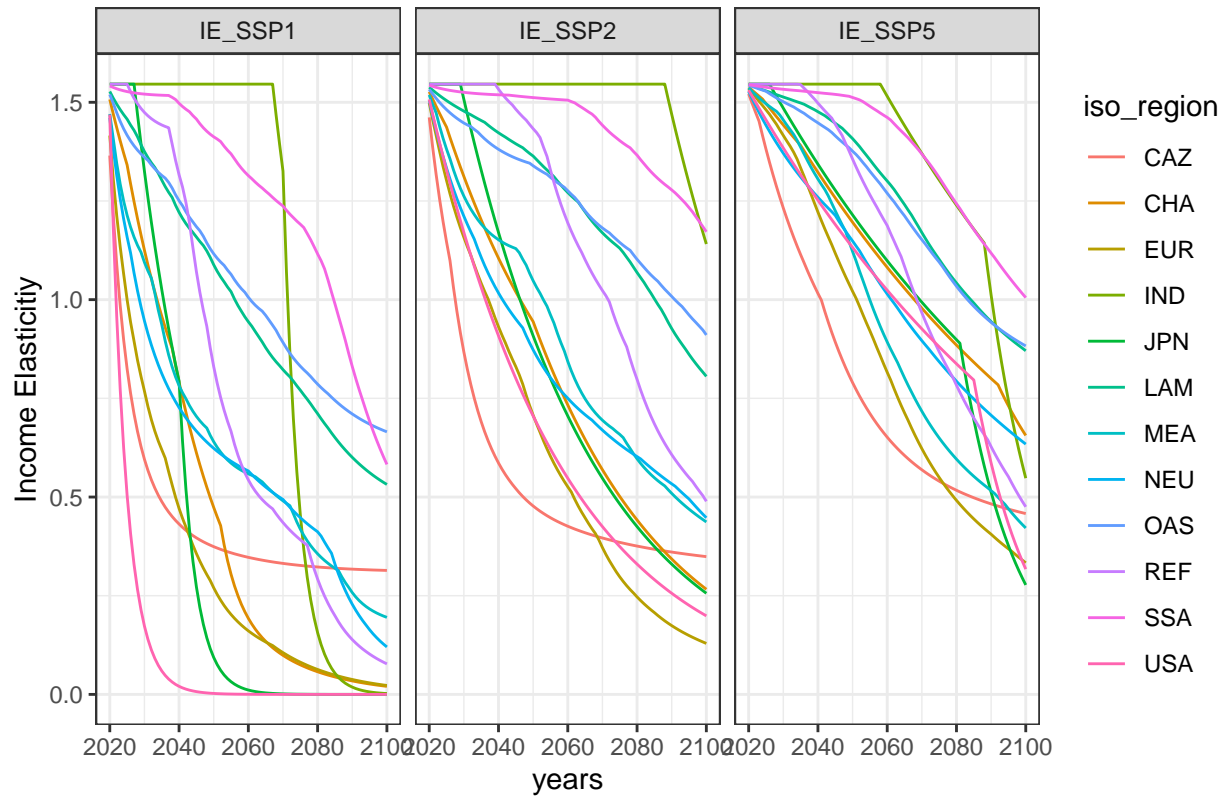
```
##    V1 V1 V1 V1 V1 V1 V1                data   SSP1   SSP2       SSP5
## 1:  1  1  1  1  1  1  1                  IE  1,546  1,546      1.546
## 2:  2  2  2  2  2  2  2       decay_rate_RPK   0,85    0,9      0.950
## 3:  3  3  3  3  3  3  3       decay_rate_GDP   0,95  0,975      0.990
## 4:  4  4  4  4  4  4  4        RPK_threshold   2000   4000   6000.000
## 5:  5  5  5  5  5  5  5        GDP_threshold  40000  40000  40000.000
## 6:  6  6  6  6  6  6  6 Price_elasticity        0      0      0.000
```
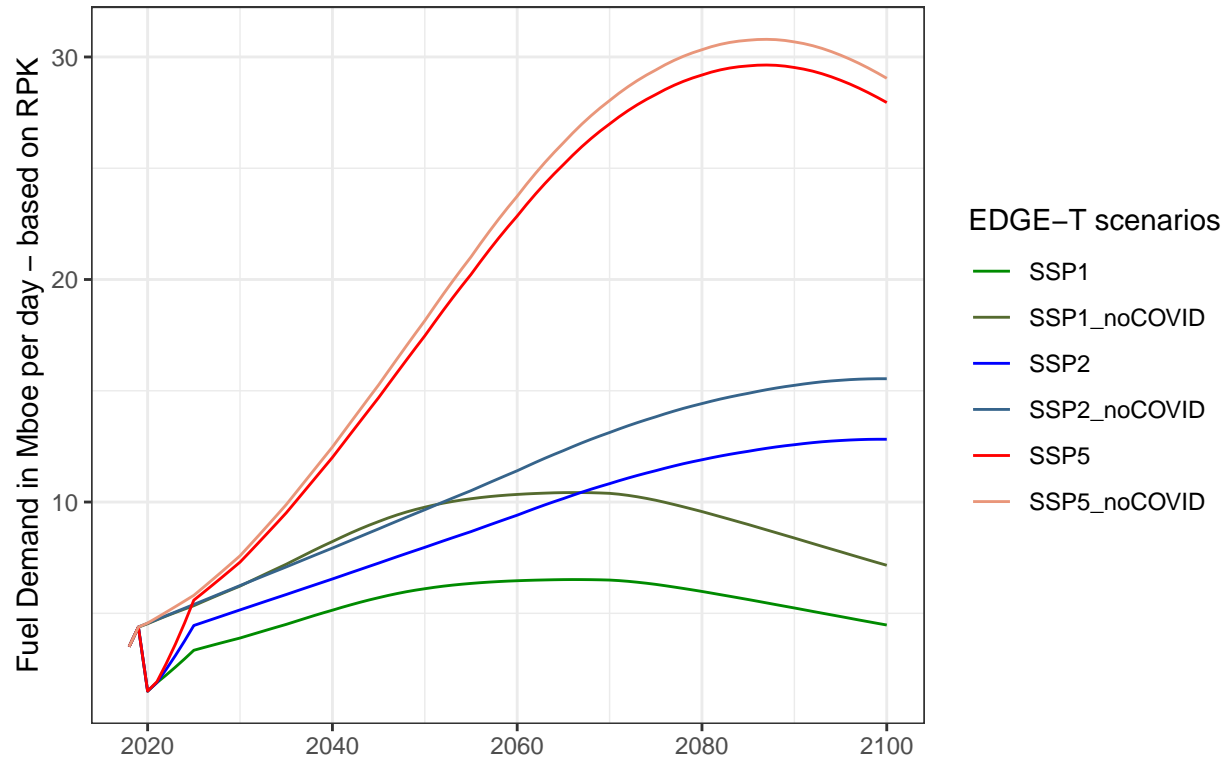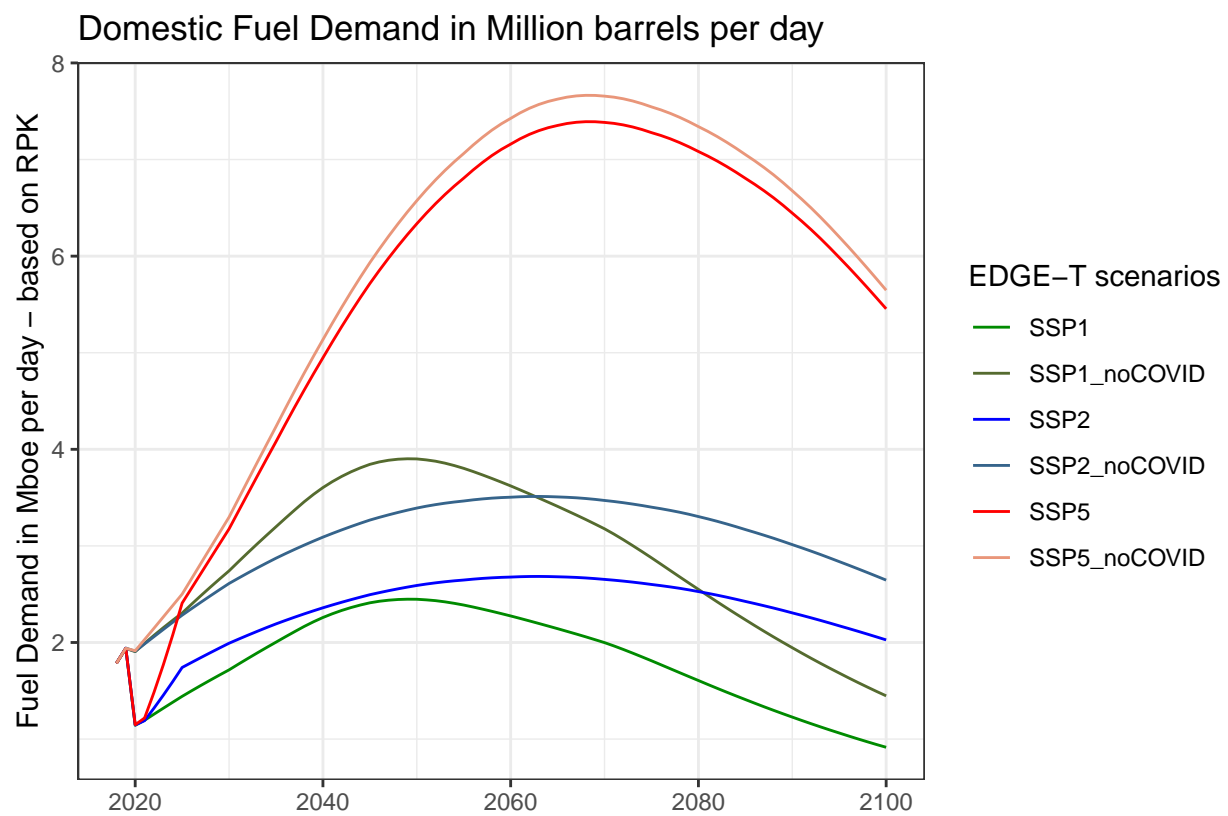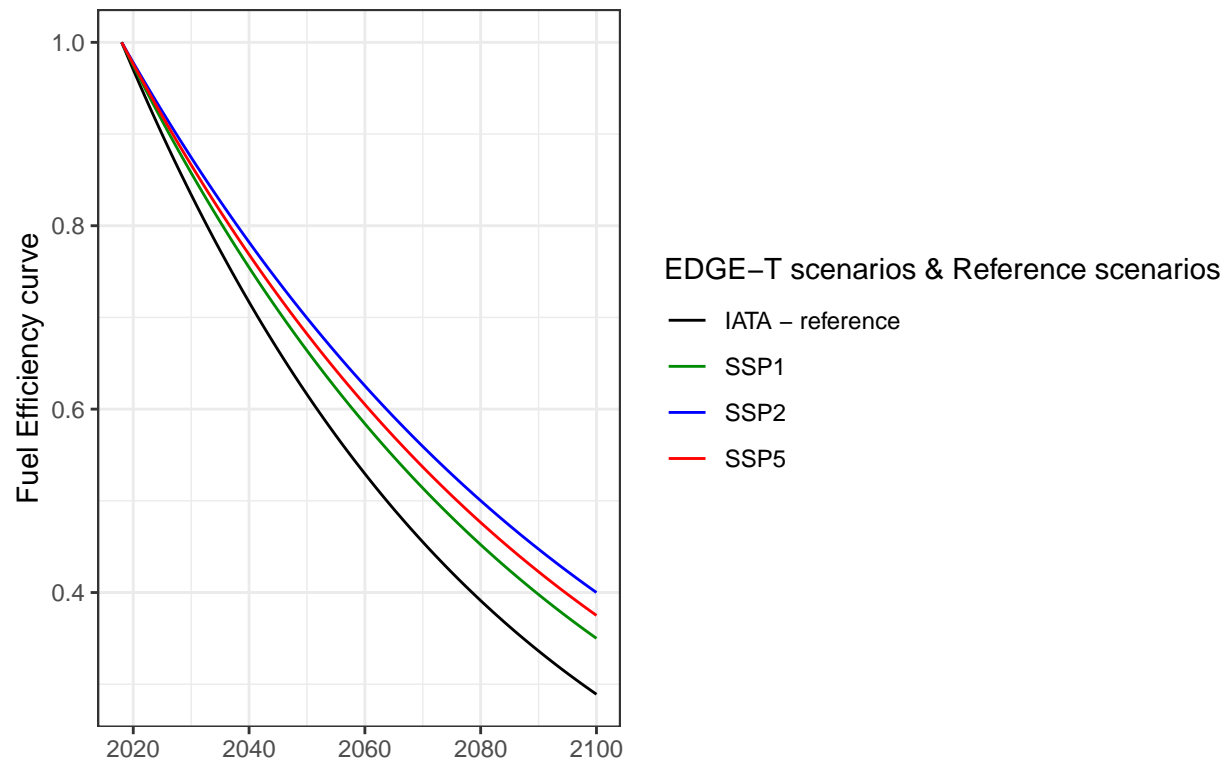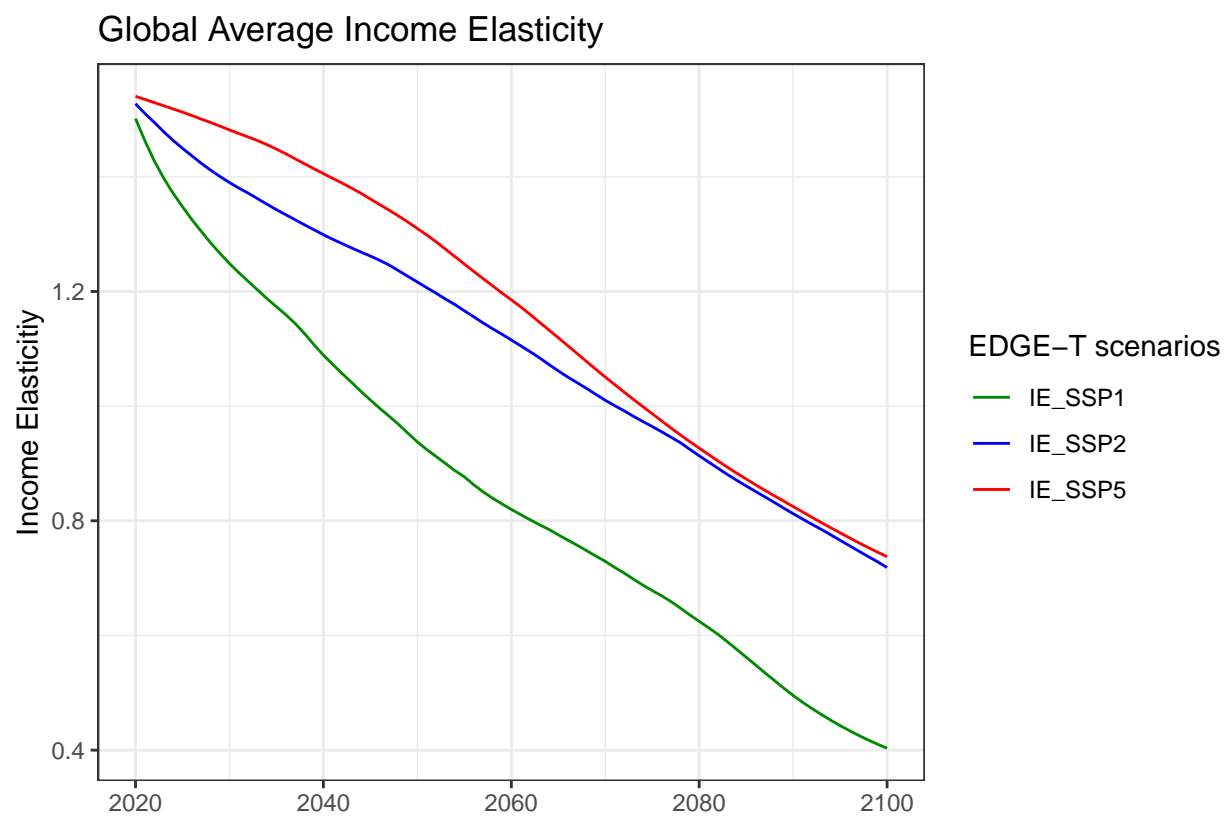
```
##      year I_L_1 I_L_2 I_L_3 I_L_4 I_L_5 I_B_1 I_B_2 I_B_3 I_B_4 I_B_5 D_L_1 D_L_2
## 1: 2020  0.33  0.33  0.33  0.33  0.33  0.33  0.33  0.33  0.33  0.33   0.6   0.6
## 2: 2021  0.40  0.40  0.40  0.40  0.40  0.40  0.40  0.40  0.40  0.40   0.6   0.6
## 3: 2025  0.70  0.90  0.80  0.80  1.00  0.50  0.70  0.55  0.55  0.90   0.7   0.8
##      D_L_3 D_L_4 D_L_5 D_B_1 D_B_2 D_B_3 D_B_4 D_B_5
## 1:  0.60  0.60   0.6   0.6   0.6   0.6   0.6   0.6
## 2:  0.60  0.60   0.6   0.6   0.6   0.6   0.6   0.6
## 3:  0.75  0.75   1.0   0.5   0.7   0.6   0.6   0.9
```