

# PBWG Interactive Report

PBWG Members

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# Front Matters

The Performance Benchmarking Working Group aims to foster the understanding of the ICAO Global Air Navigation Plan (GANP) key performance indicators and jointly works on establishing commonly agreed definitions and algorithms in support of the GANP. This report reflects a set of air traffic measures addressing the current COVID/post-COVID developments.

PBWG Members are

- Brazil, DECEA
- Europe, EUROCONTROL
- Japan, JCAB
- Singapore, CAAS
- Thailand, AEROTHAI
- United States of America, FAA



# Chapter 1

## Introduction

The present briefing aims to provide a comparison of the COVID-19 impacts on aviation in different parts of the world. The regions covered herein are Brazil, Europe, Japan, Thailand, Singapore and the United States.





# Chapter 2

## Scope

The following airports are covered by this briefing:

### 2.1 Brazil airports

SBBR, SBCF, SBCT, SBFL, SBGL, SBGR, SBKP, SBPA, SBRF, SBRJ, SBSP, and SBSV

### 2.2 Europe airports

EDDF, EDDM, EGLL, EHAM, LEMD, LFPG, LIRF, and LSZH

### 2.3 Japan airports

TBD

### 2.4 Thailand airports

VTBD, VTBS, VTCC, and VTSP

### 2.5 Singapore airports

WSSS

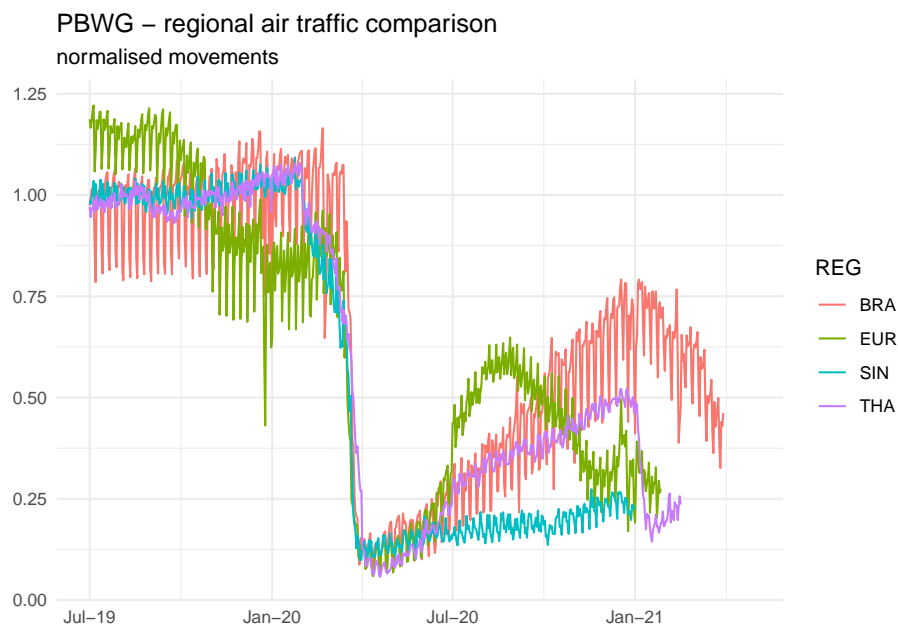
### 2.6 USA airports

TBD

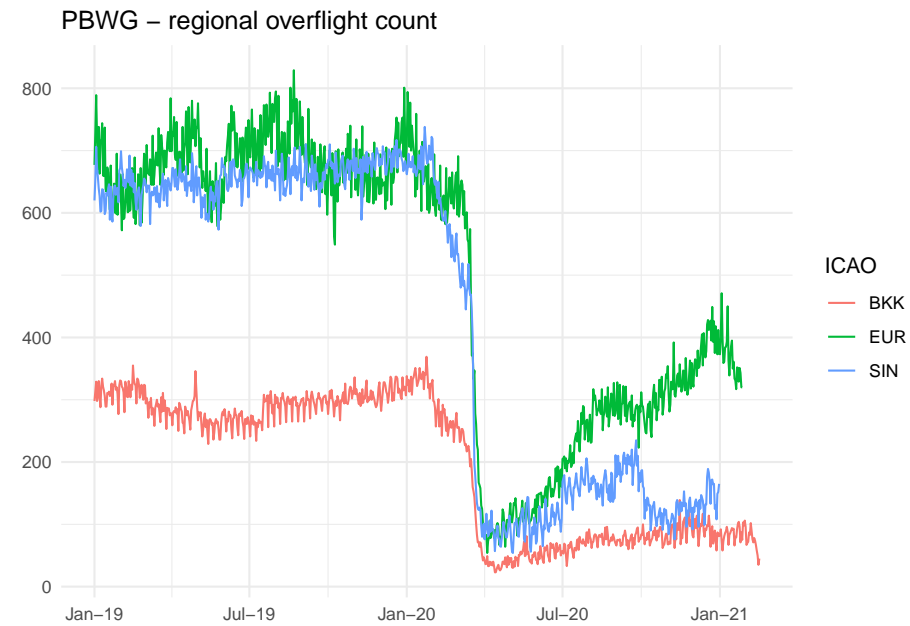


## Chapter 3

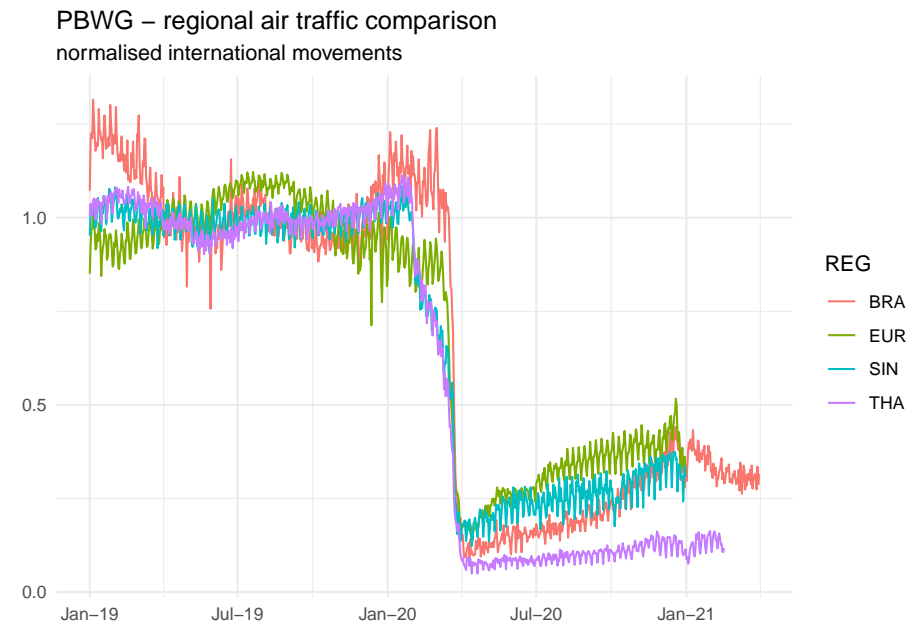
# Overview comparison



### 3.1 Overflights



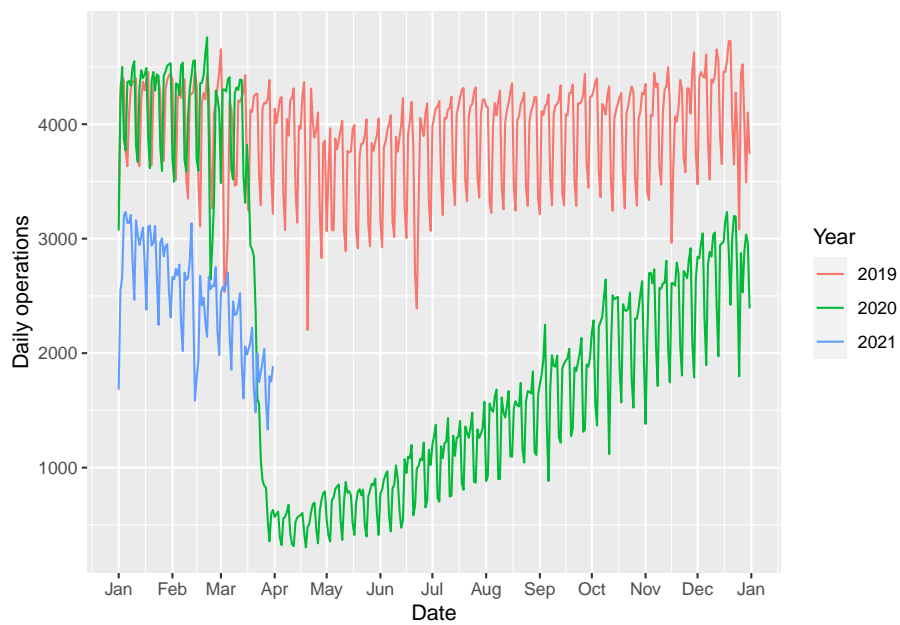
### 3.2 International traffic



## Chapter 4

# Region level breakdown

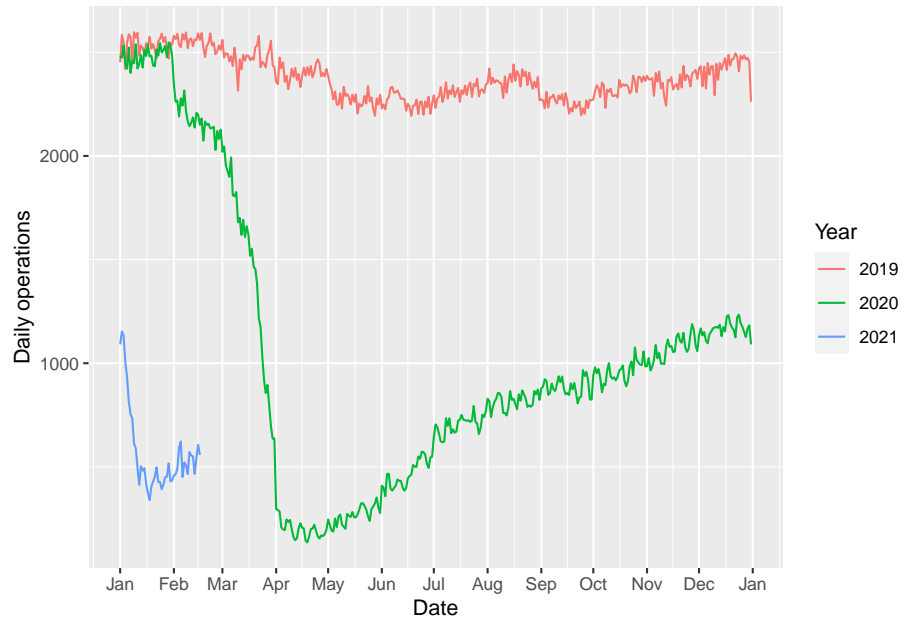
### 4.1 Brazil



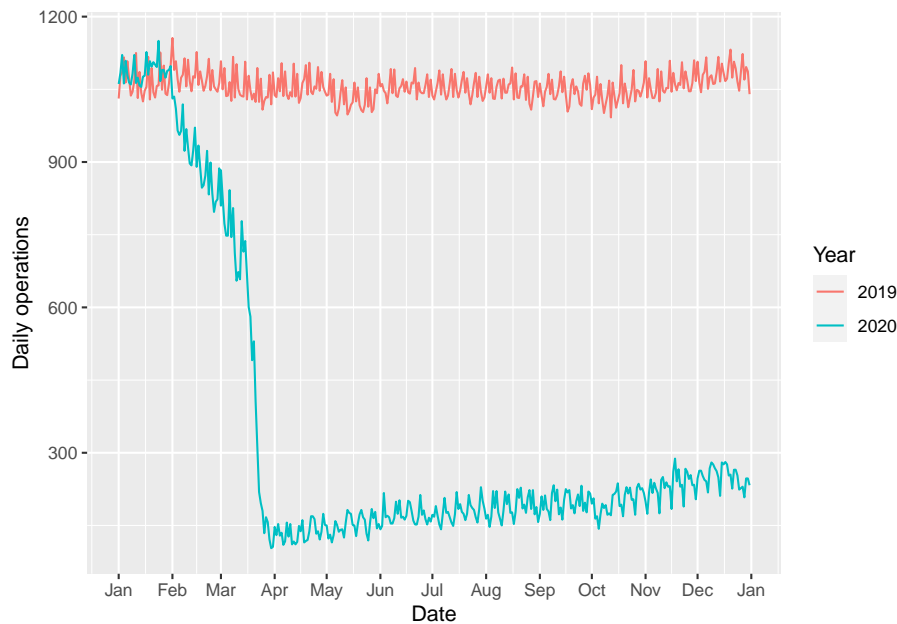
## 4.2 Europe



## 4.3 Thailand



4.4 Singapore



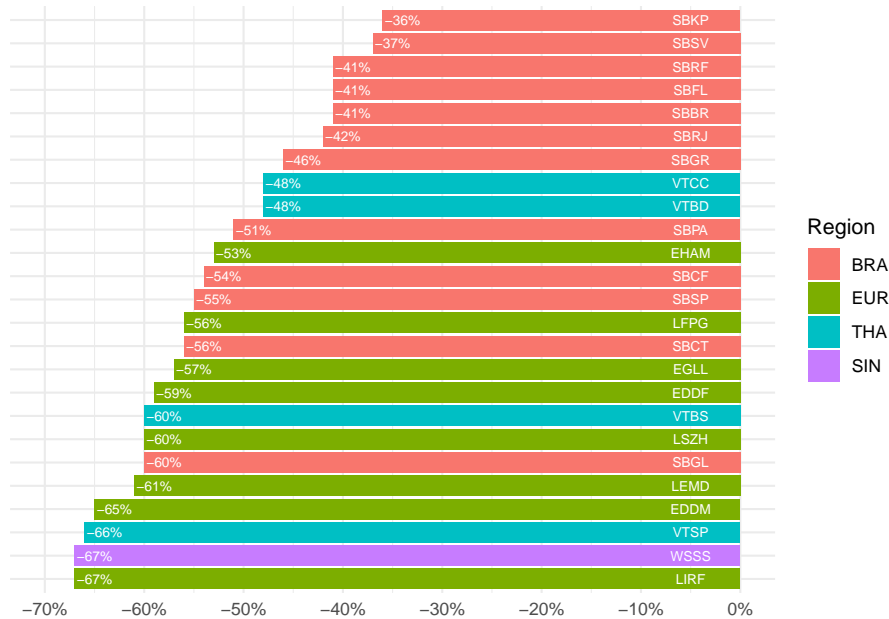




## Chapter 5

# Airport level breakdown

In 2020, the coronavirus crisis represented very different impacts depending on the airport. Figure n below shows the drop of flight operations (departures and arrivals), in comparison to 2019, at the airports under study.

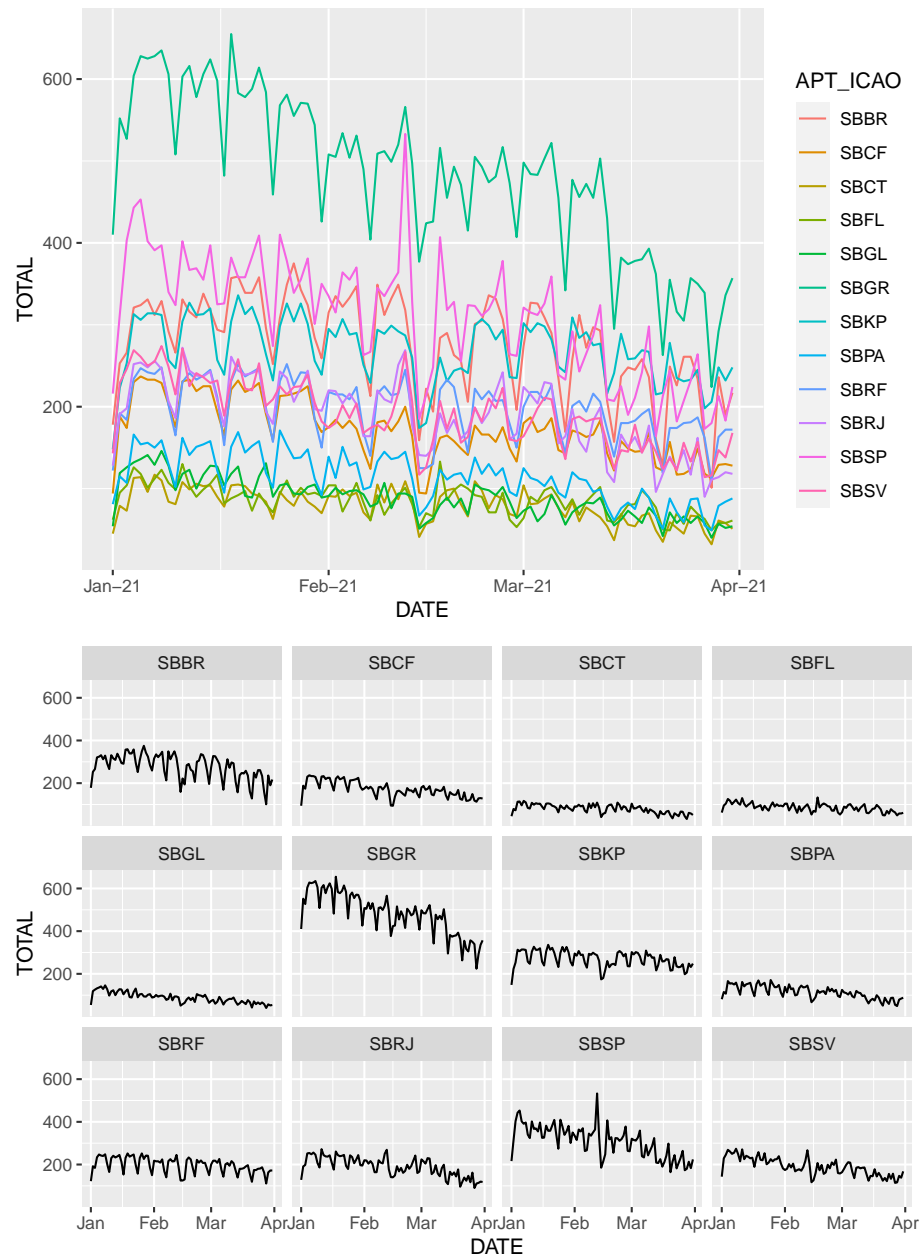


All airports had decreases in their movements, ranging from -36% to -67%. In general, Singapore suffered the most, for the international travels were greatly affected. Brazilian airports had lower impacts than Europe. SBKP Campinas, for example, had -36% - which is not so bad, giving the context. That happened probably due to a larger share of cargo aviation at that particular airport.

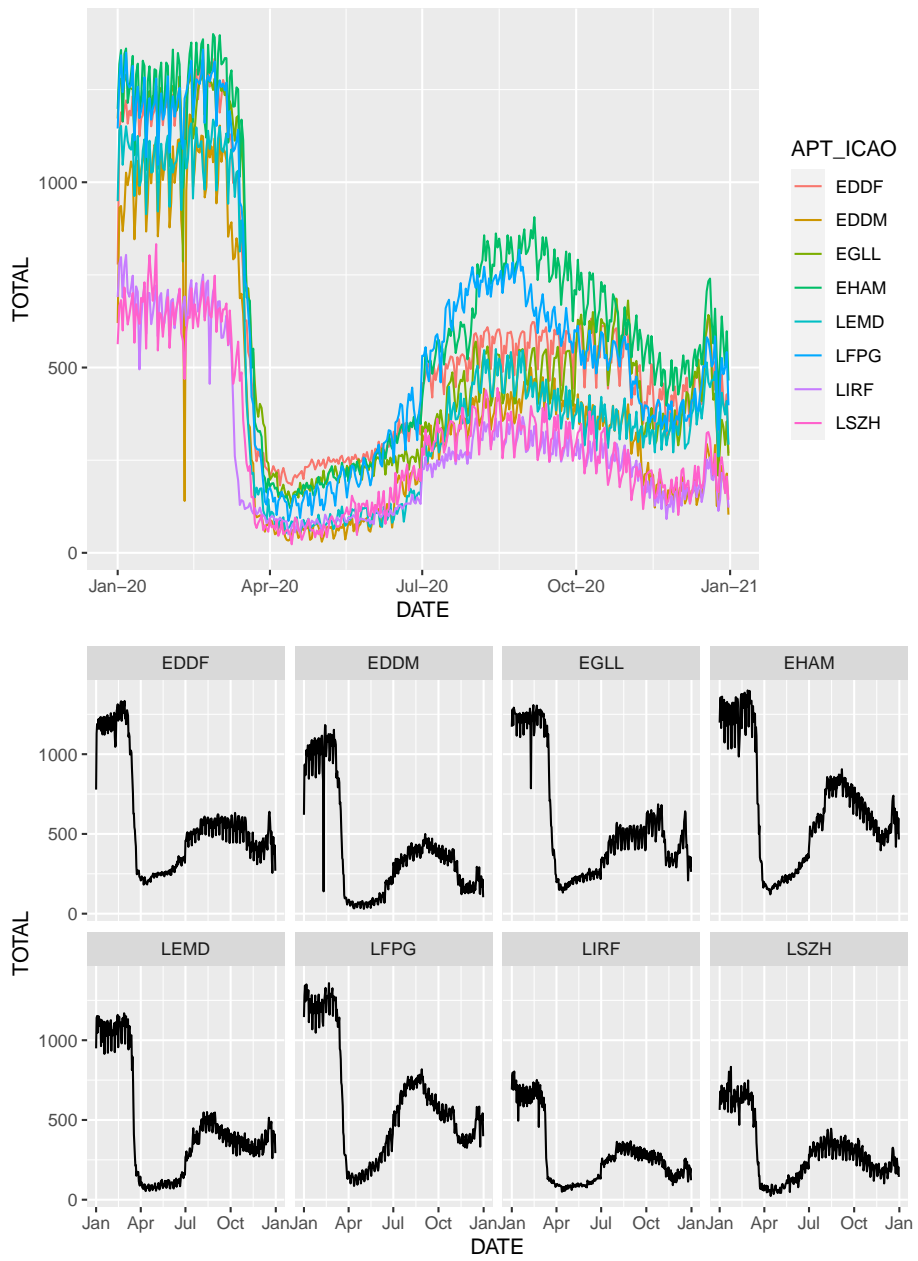
Except for Singapore, which has only one airport in the study, it is possible to

look the different effects on individual airports within each region.

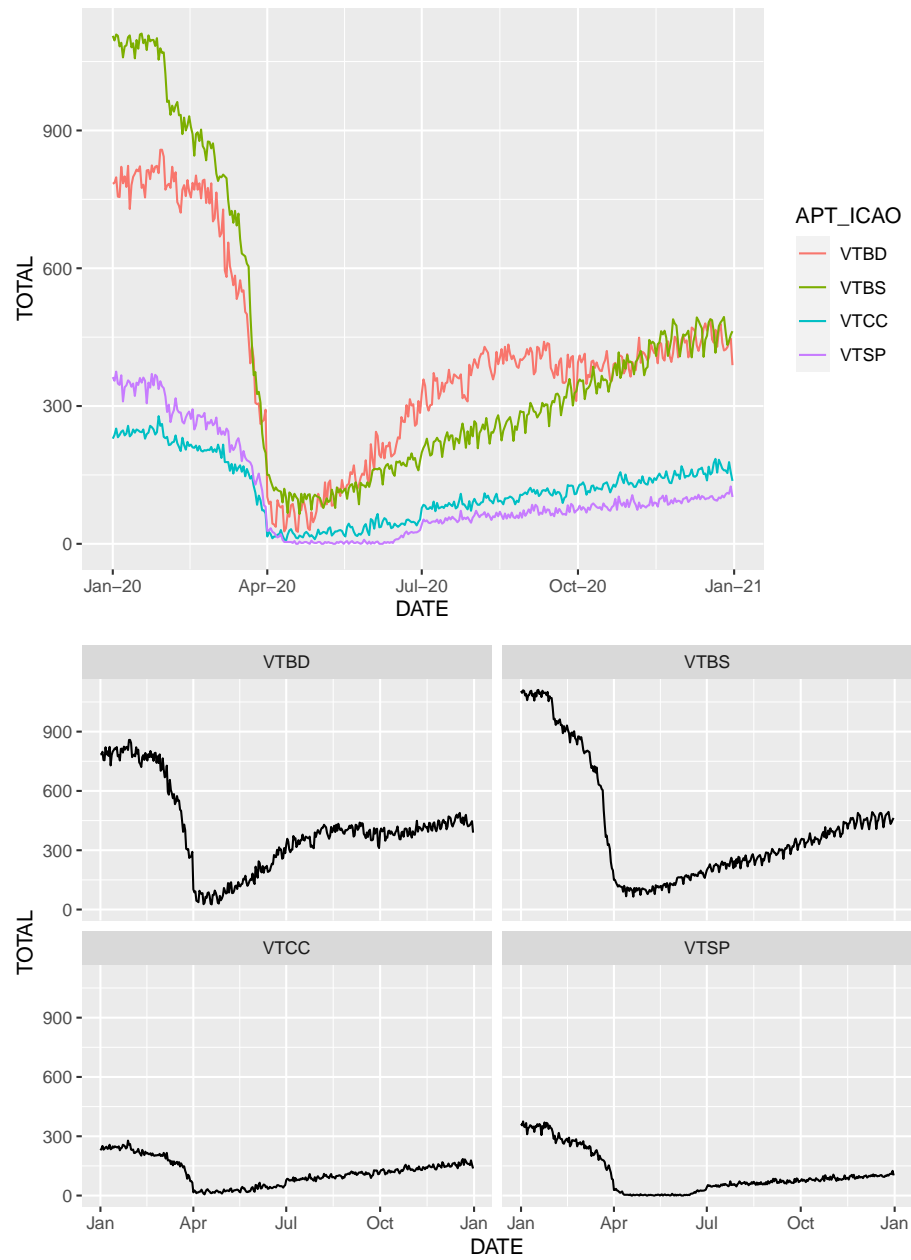
## 5.1 Brazil airports



5.2 Europe airports



### 5.3 Thailand airports

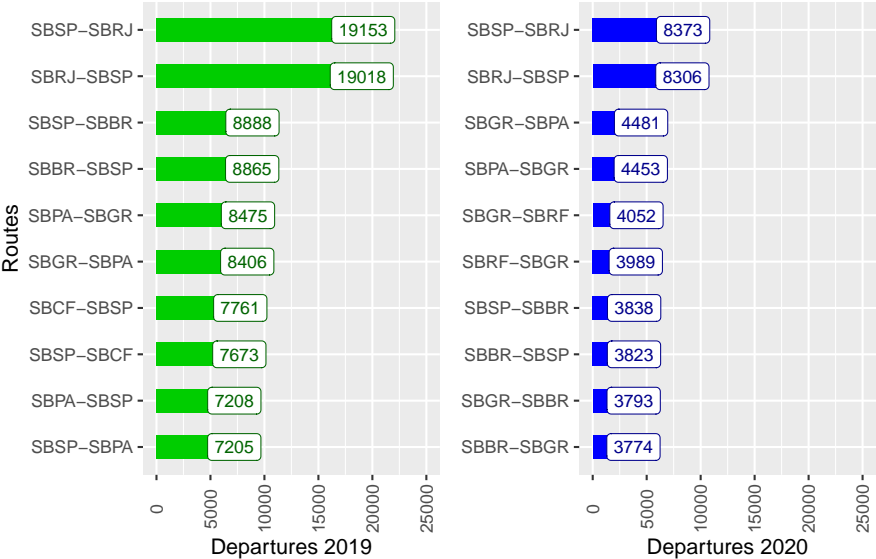


# Chapter 6

## Top city pairs

### 6.1 Brazil routes

Top 10 routes per year



## 6.2 Europe routes

Top 10 routes per year

