

Impacts of Covid-19 on Irish Airports



**Nathan Moore**

**N00201743**

Creative Coding 2

CA 2 – Data Visualisation

Year 2 2021-22

DL836 BSc (Hons) in Creative Computing

Data Submitted:

Table of Contents

[Introduction 3](#_Toc97833770)

[Description of Dataset 3](#_Toc97833771)

[Results 3](#_Toc97833772)

[Discussion 3](#_Toc97833773)

[Conclusions 4](#_Toc97833774)

[References 4](#_Toc97833775)

# Introduction

In this CA, I aim to visually display the effects of the COVID-19 pandemic on main Irish airports. Nearly everything and everyone was affected hugely by pandemic and many people were looking forward to it all coming to an end so they could finally visit friends and family or even just get a well-deserved breakaway. With this in mind, I decided to investigate how Irish Airports were affected by looking into the pre-covid figures. Unfortunately, as it is so recent there are still no available datasets for ‘post-covid’ but it will definitely be interesting to study the data once they are released.

# Description of Dataset

I will do my research on CSO.ie (Central Statistics Office) as they have the most relevant, reliable data for aviation statistics in the past number of years. On the CSO website, they have many tables full of data in relation to arrivals and departures, the top 10 destination spots, air freight and much more. But, following on from my introduction I have decided to use the “Total number of passengers handled by Irish Airports” as I for one, was returning to the airport to visit family and friends abroad as soon as it was safe to do so. This data will help me get a better understanding of the pandemics take on the airports by comparing it with recent years and help me visually display it in this CA.

# Results

# Discussion

I have decided to use three graphs in my CA: Bar Chart, Clustered Column Chart and Line Graph.

Bar Chart – Number of passengers handled by Dublin Airport.

Clustered Column Chart – Number of passengers handled by other Irish Airports.

Line Graph – Total number of passengers handled by all Irish Airports.

Originally, I had the data for the Bar Chart and the Clustered Column Chart as one dataset, but considering Dublin Airport is Ireland’s most popular airport the figures were too high compared to the other airports (Cork, Shannon, Knock, Kerry) so I had to create two separate charts as it wasn’t good visualisation. I would consider this as one of my strengths of good visualisation as using them all as one dataset wouldn’t have been very clear.

Weakness – line graph

# Conclusions

# References

<https://www.cso.ie/en/releasesandpublications/er/as/aviationstatisticsquarter4andyear2017/>

<https://www.cso.ie/en/releasesandpublications/er/as/aviationstatisticsquarter4andyear2020/>