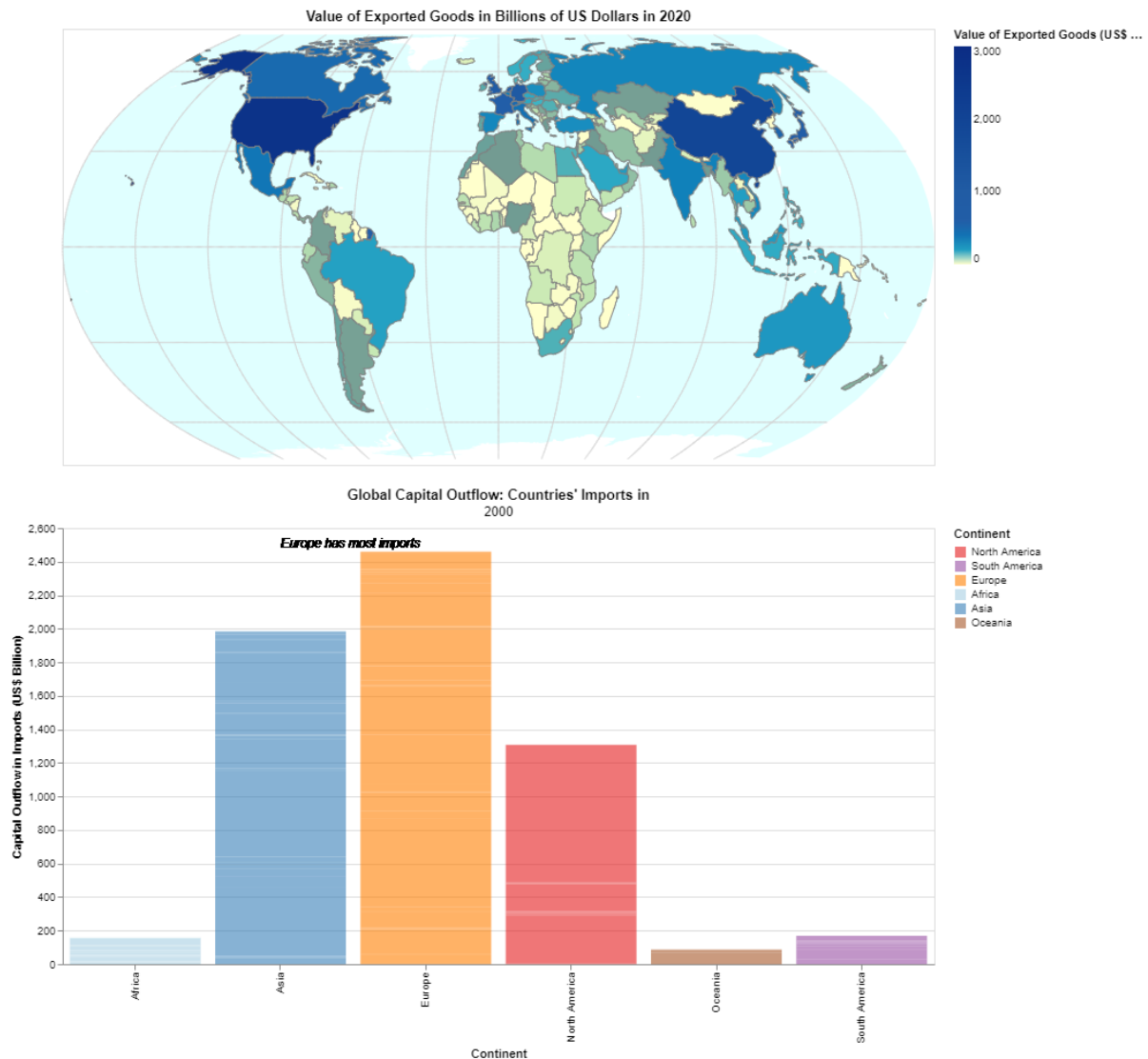


Name: Bryan Jun Kit Wong  
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Lab: Lab 1 Wednesday 9 am  
Tutor Name: Dr. Grace Ting

## URL

<https://github.com/Wongjunkit12/FIT3179-Week-10-Homework>

<https://wongjunkit12.github.io/FIT3179-Week-10-Homework/>



## Domain

The domain of this visualisation is the Flow of Global Capital of Countries. The domain of this visualisation centres around the movement of capital between countries through imports and exports and global trade. It aims to provide insights into the trade activities of various countries, the economic relationships between continents, and the flow of goods and services on a global scale.

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## **Visualised Dataset:**

Attribute Types: The dataset includes geographical attributes such as country names and quantitative attributes such as the values of imports and exports, country growth and more.

Source: <https://www.kaggle.com/datasets/muhammadtalhaawan/world-export-and-import-dataset?resource=download>

Author: Muhammad Talha Awan

## **Why Choropleth Symbol Map:**

I chose a Choropleth Symbol Map due to its effectiveness in representing the "Value of Exported Goods during 2020 in Billions of US Dollars." This map type is particularly well-suited for this task because it allows for the clear depiction of geographic variations in export values among countries. Each country is represented as a distinct region on the map, and the use of colour gradients enables an intuitive comparison of export magnitudes in a sequential order. In this context, where the goal is to visualise data for the year 2020, the Choropleth Symbol Map provides a snapshot of export values for easy evaluation and comparison of the value of exported goods between countries.

## **Why Bar Chart:**

I chose a Bar Chart for visualising the values of imports across different continents in the context of the Flow of Global Capital of Countries dataset because it excels in comparing discrete categories, allowing for clear ranking and magnitude assessment. Each continent represents a distinct category, and the simplicity and clarity of a Bar Chart make it an effective choice for conveying import values succinctly. Moreover, it supports interactivity, facilitating user engagement and exploration by enabling features like hover-over details or data filtering. This chart type is versatile and can also accommodate time-series analysis as the dataset includes import data for multiple years via a slider filter, making it an ideal choice for examining the flow of global capital among continents from 2000 - 2020.