

GLOBAL TRADE ANALYSIS

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May, 2022





When goods don't cross
borders, soldiers will.



Frederic Bastiat






ANALYSIS 01

LOGISTIC EFFICIENCY

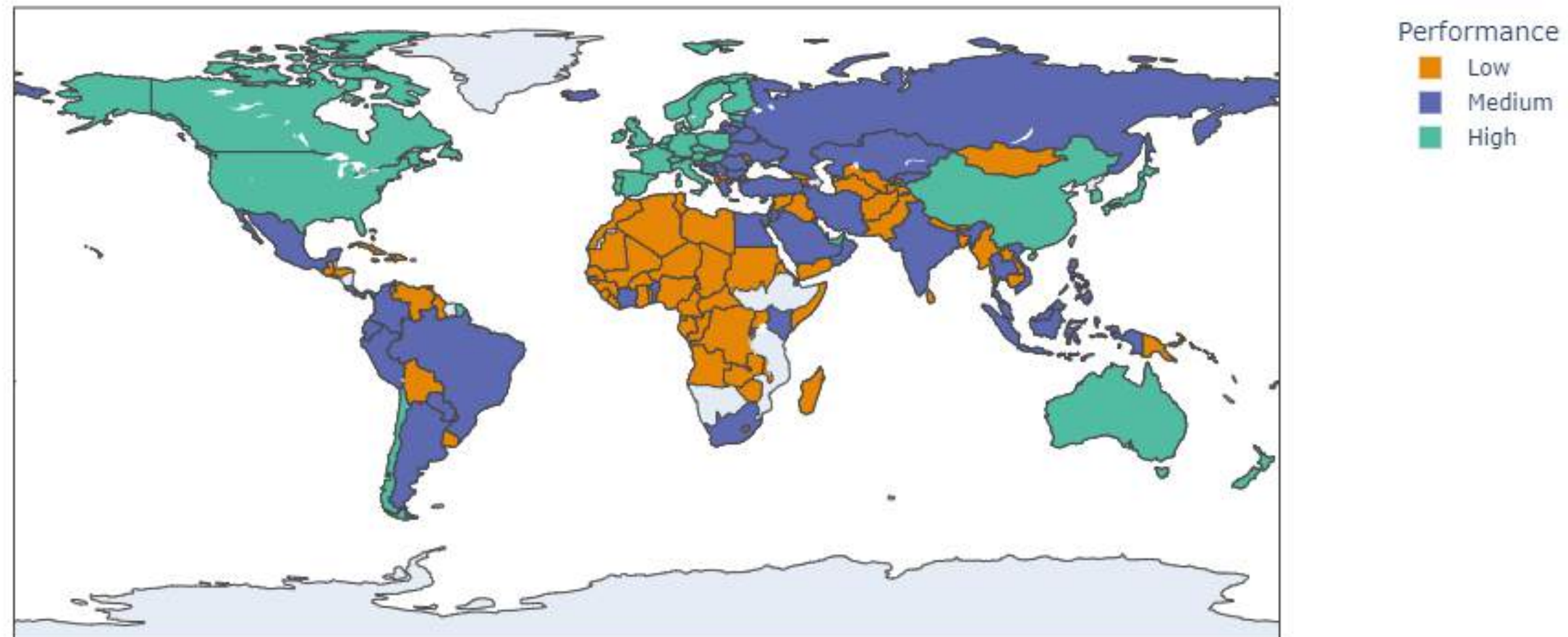
LOGISTIC EFFICIENCY

CLUSTERING METHOD: K-MEANS

For each country:

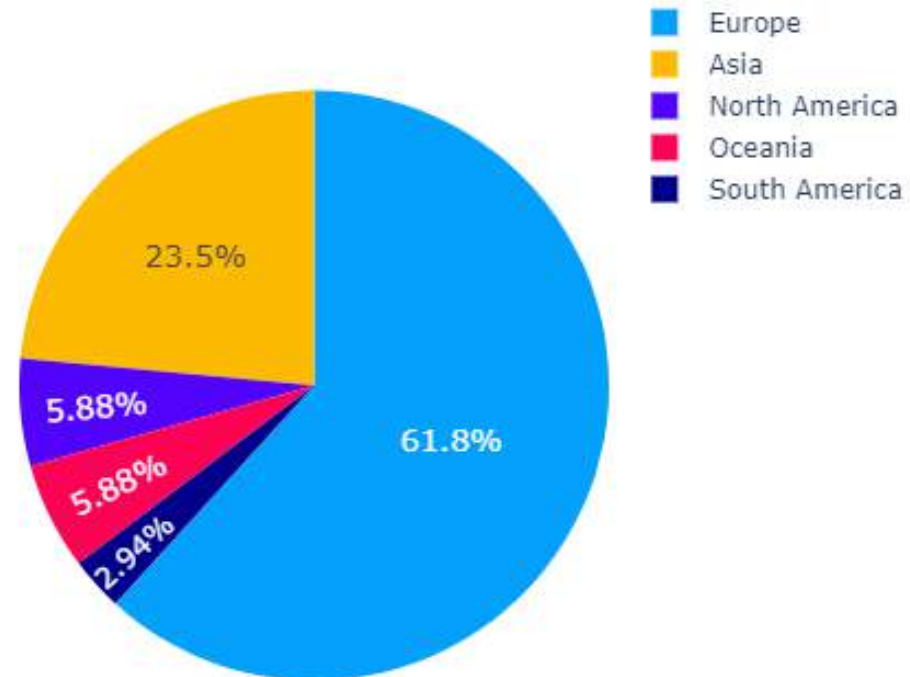
-  clearance efficiency
-  timely receipt
-  infrastructure

Global Trade Logistics Performance

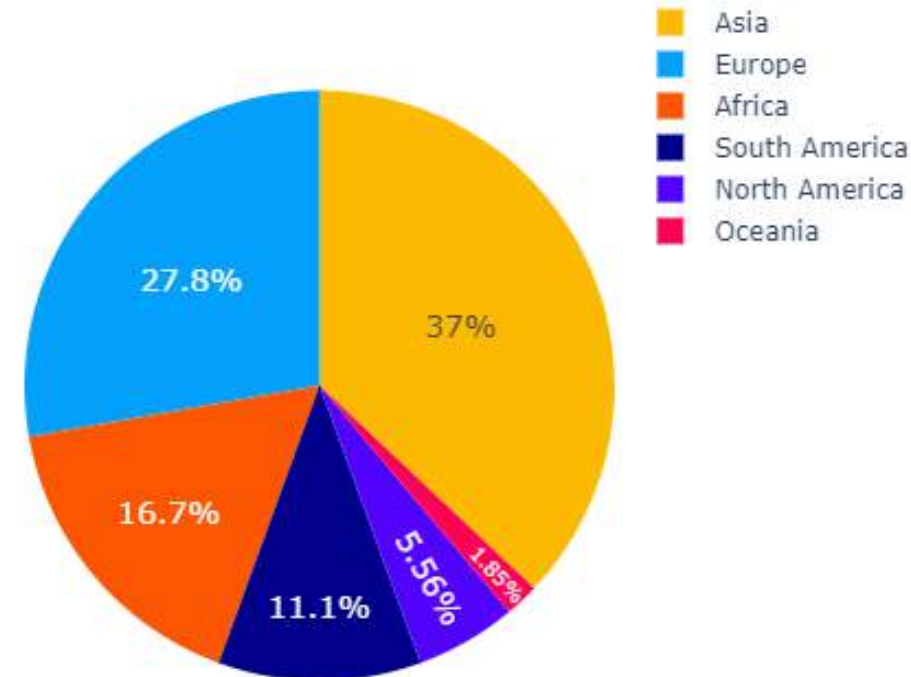


LOGISTIC EFFICIENCY: LOCATION

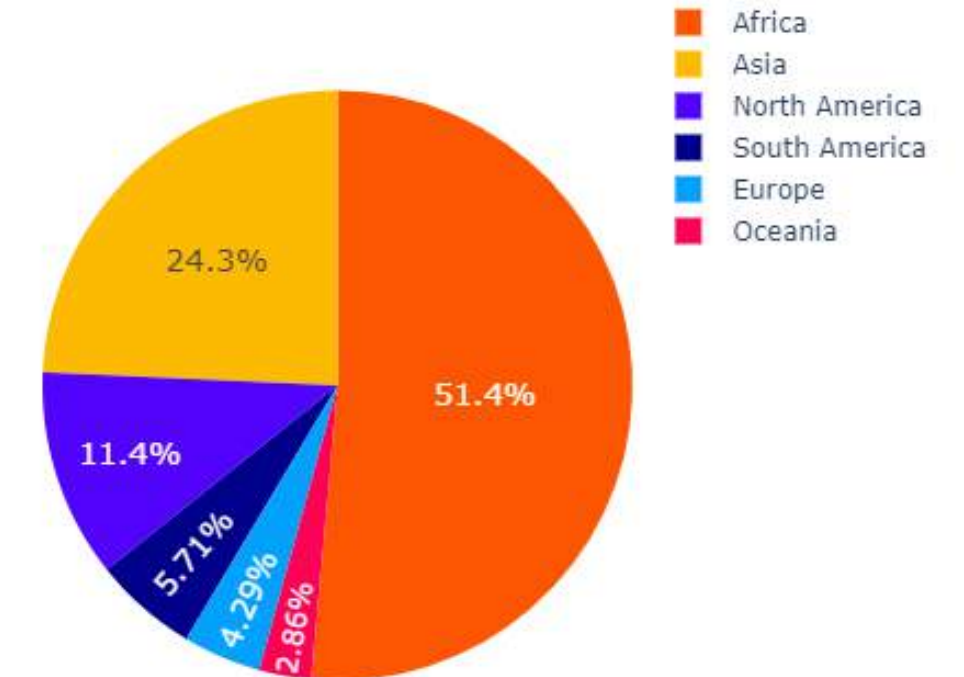
High performers distribution



Moderate performers distribution



Low performers distribution



LOGISTIC EFFICIENCY: HIGHLIGHTS



**HIGHEST
SCORES**

**LOWEST
SCORES**



GERMANY



clearance efficiency

GUINEA

BELGIUM



timely receival

GUINEA

GERMANY



infrastructure

ANGOLA



ANALYSIS 02
**TRADE &
TARIFF**



TRADE & TARIFF

Adding context:

- **How significant is trade for a country's economy?**

Measured by merchandise trade as a % of GDP

- **Trade % of GDP and Logistic Performance**

HIGH: 86%

MEDIUM: 68%

LOW: 55%

- **How high are the applied tariffs for each type of product?**

Primary vs. Manufactured. It will depend on what the country specializes in, its necessities and its level of industrial development.

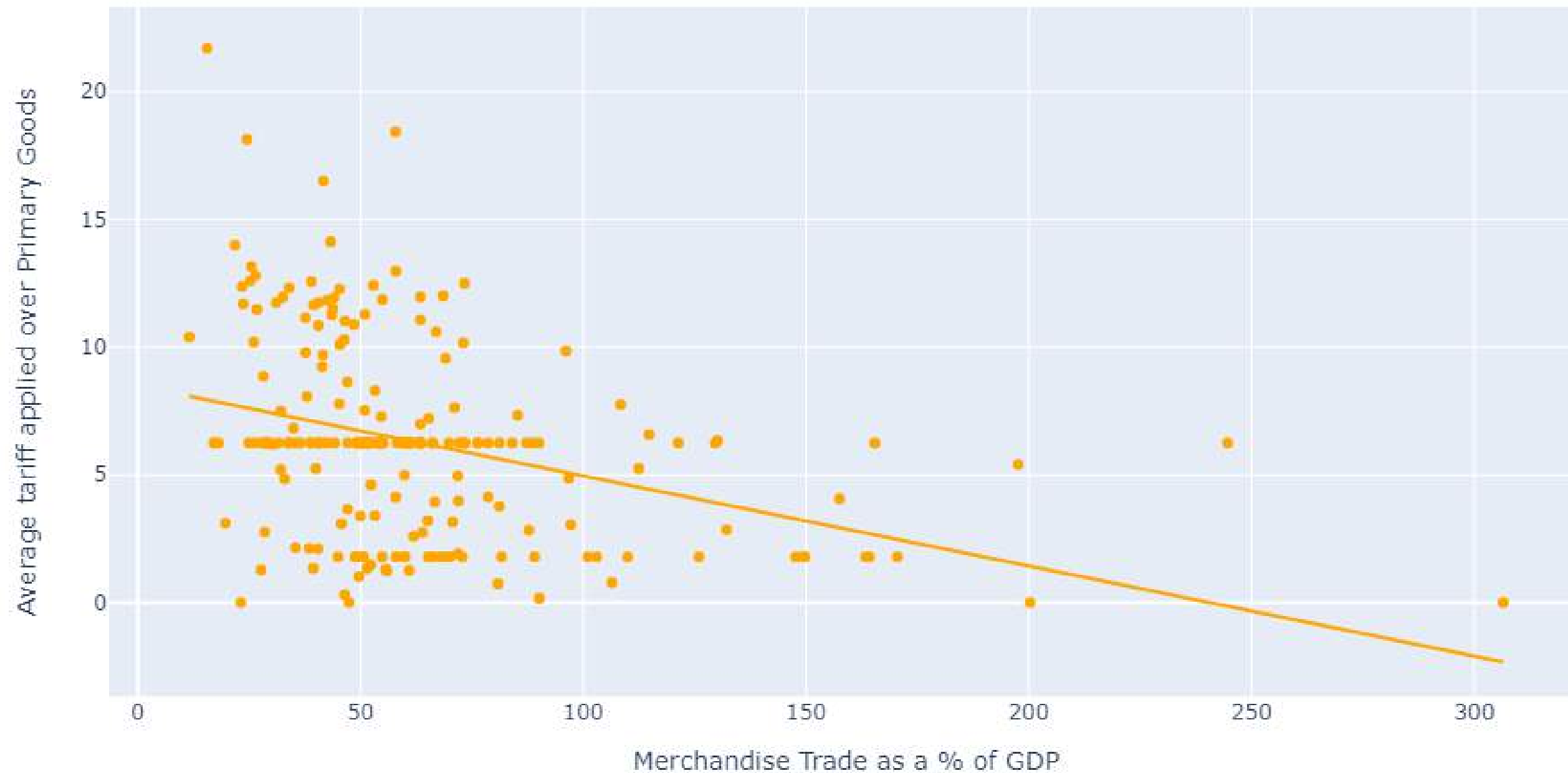
TRADE & TARIFF

What do we expect?

PRIMARY GOODS:

Smaller trader, bigger tariff | HIGH NEGATIVE CORRELATION

Trade % versus average tariff over Primary Goods

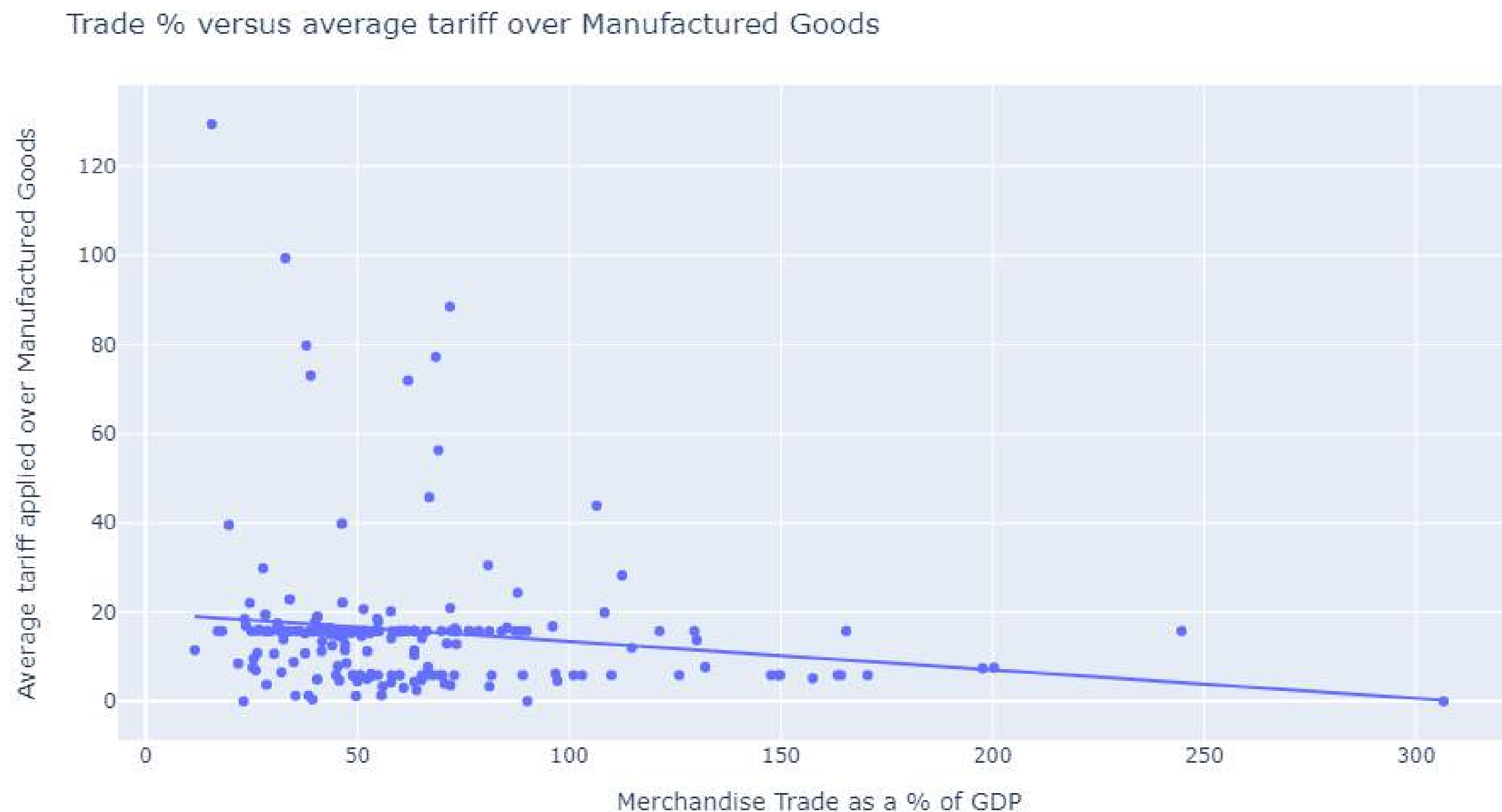


TRADE & TARIFF

What do we expect?

MANUFACTURED GOODS:

Smaller trader, not-much-bigger-tariff | LOW NEGATIVE CORRELATION





ANALYSIS 03

CORRUPTION



CORRUPTION: HIGHLIGHTS

Informal payments
to public officials
(% of firms)

83%

zambia

Bribery incidence
(% of firms experiencing at least
one bribe payment request)

37.4%

ukraine

Firms expected to give
gifts in meetings with
tax officials
(% of firms)

36.3%

ukraine



FINAL ANALYSIS COMPETITIVENESS



GLOBAL COMPETITIVENESS

Adding context:

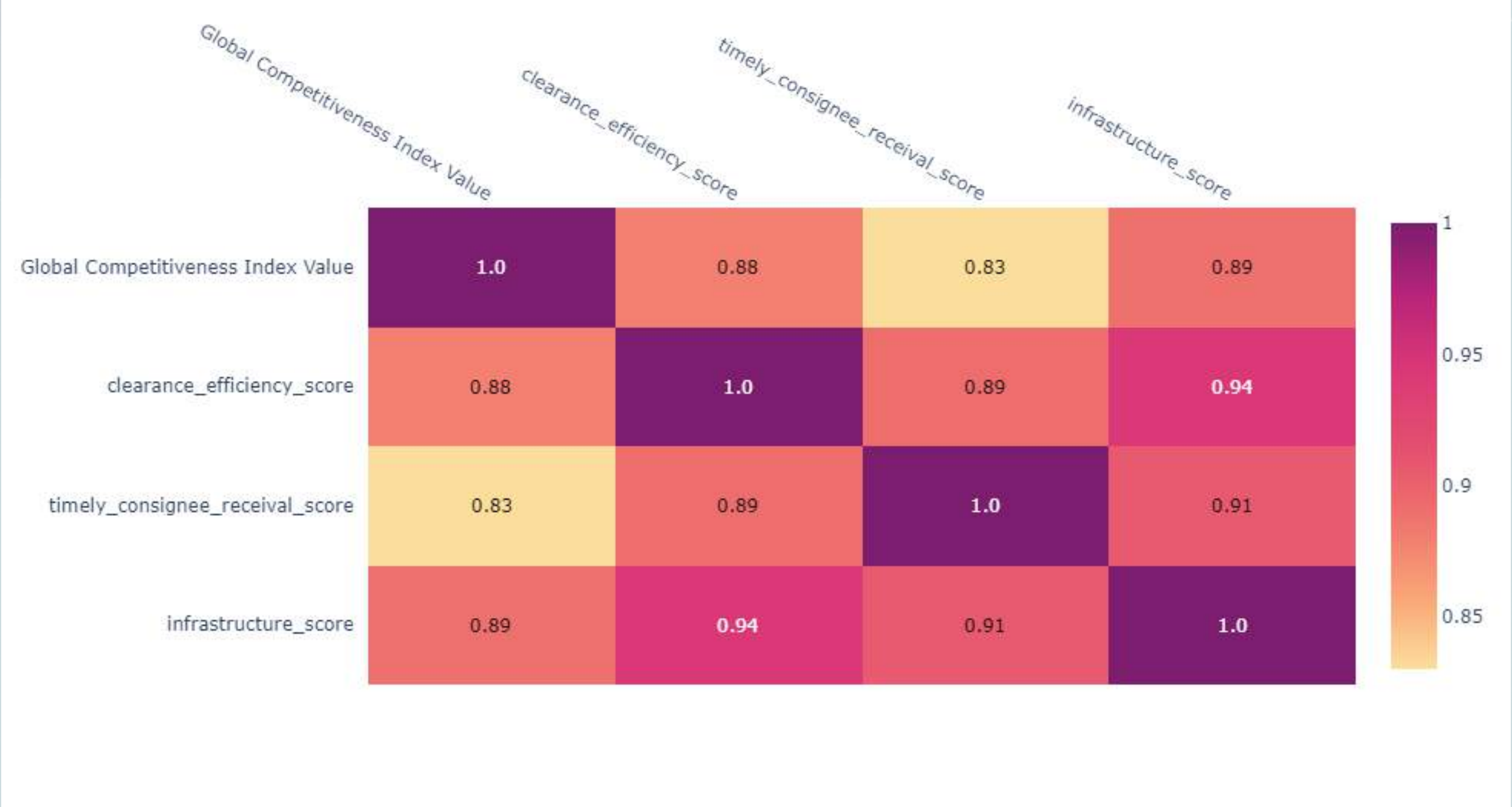
- The **Global Competitiveness Report (GCR)** is a yearly report published by the **World Economic Forum**.
- The report "assesses the ability of countries to provide high levels of prosperity to their citizens". This in turn depends on how productively a country uses available resources.
- It measures the factors that set the sustainable current and medium-term levels of economic prosperity.

GLOBAL COMPETITIVENESS INDEX PILLARS



GLOBAL COMPETITIVENESS AND LOGISTICS PERFORMANCE

Correlation Matrix





THANK
YOU

DATA sources



THE WORLD BANK - DATA BANK

<https://databank.worldbank.org/source/world-development-indicators>

The GCI Framework: The 12 Pillars of Competitiveness

<https://reports.weforum.org/global-competitiveness-report-2014-2015/methodology/#/view/fig-1>

PHOTOS

Photos by tawatchai07@freepik