

# BIG DATA: THE NEW INTER-CONNECTED WORLD

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## RESEARCH QUESTION:

How has the rapid innovation of Big Data changed the way the Latin American communities connect with other communities around the world?




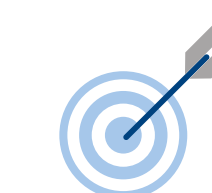
## INTRODUCTION:

### What is Big Data?

Big Data refers to the digital collection of data on a large scale in order to find patterns, trends, and associations.



### Four Characteristics of Big Data

-  **Volume** - size of the data set
-  **Variety** - data from multiple sectors
-  **Velocity** - rate of flow
-  **Variability** - the change in other characteristics

This technological development has enabled the ability to collaborate with other individuals around the world and the countries of Latin America are just entering the data analysis sector. The introduction of data collection into the Latin America has opened many opportunities for their international reach.

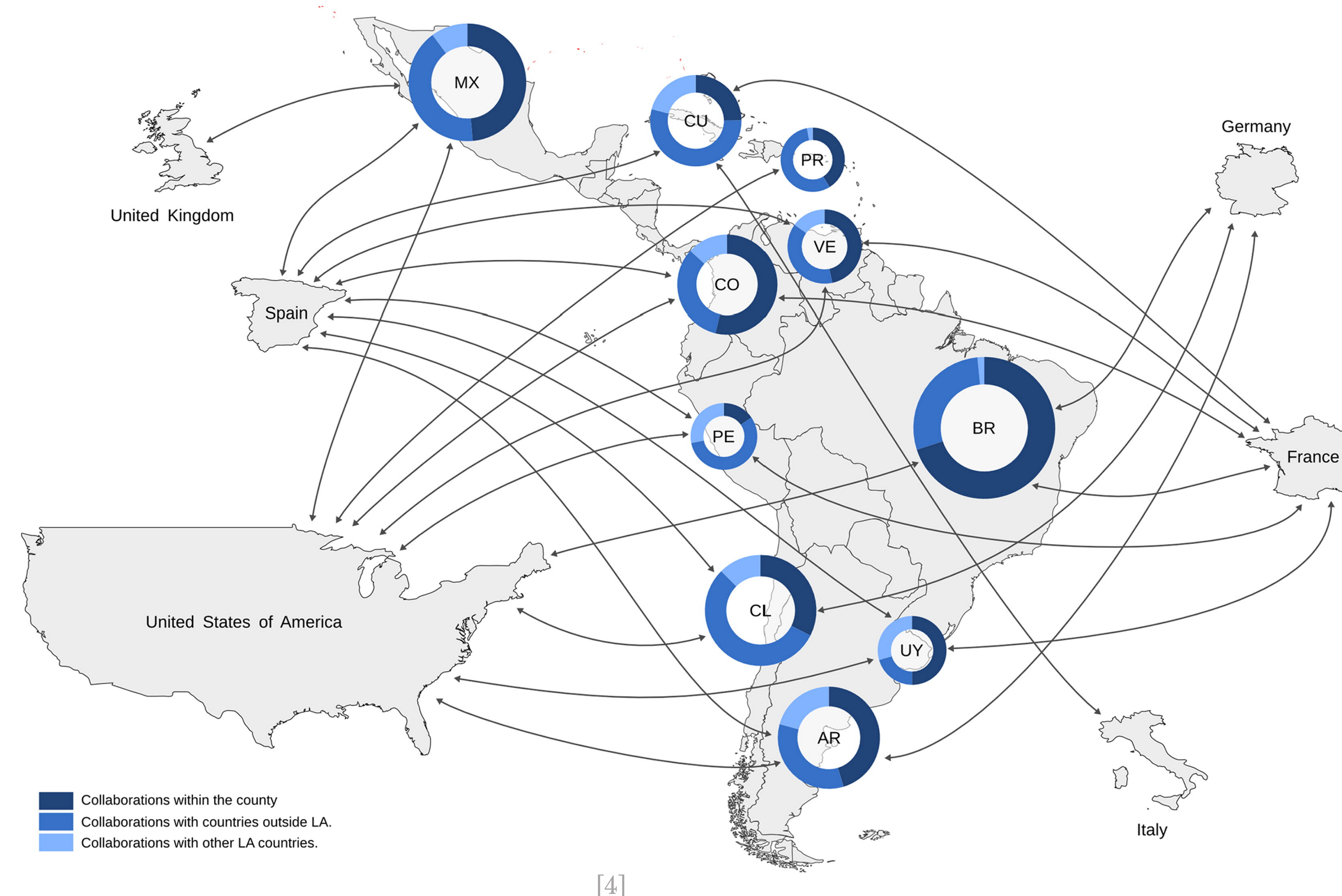
## METHODS OF INQUIRY:

 Peer-Reviewed Journals

 Data Statistics

## RESULTS:

### Big Data Collaborations



Collaborative relationships between Latin American (LA) countries and countries outside LA. For each country, the pie chart depicts the proportion of works with collaborations done within the country (dark blue), with countries outside LA (medium blue), and with other LA countries (light blue). The radius of each pie chart indicates the proportion to which each country has contributed to Big Data publications. The arrows indicate the individual countries three main collaborators outside LA.

### Big Data Analytics



[6]

## CONCLUSION:

- The growth of data analytics has opened up opportunities for countries in Latin America to collaborate on projects with researchers from around the world.
- The data trends indicate that the work from Latin American researchers is funneling towards the communities outside Latin America.
- Big Data is changing the way that businesses learn about their consumers by providing new tools for connecting effectively.
- Since technology will continue to evolve, countries who seek the benefits from Big Data must adhere to technological advancements as well.
- Big Data analysis so far has proven to have a positive economic turnout.

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