

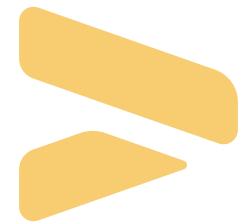


Data Analysis

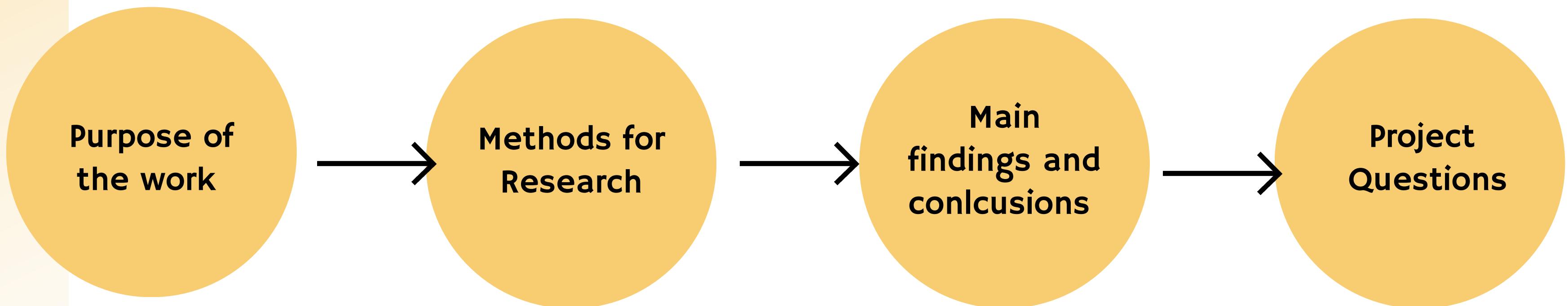
# THE Best Country TO SPEND YOUR 20'S

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Margarida Agostinho, Pedro Sousa

2021/2022



# Overview of the Project



# > Introduction

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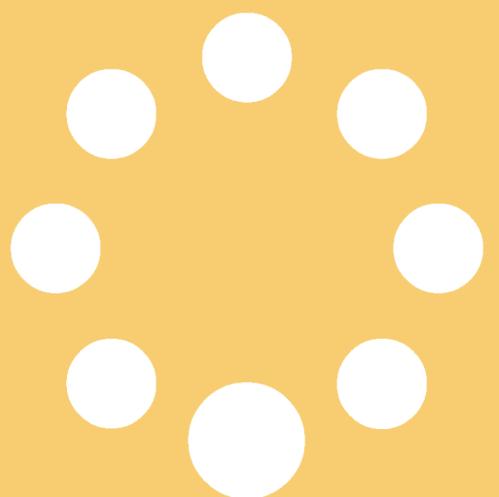
What is the best country to spend your young years?



Why did we choose this topic?



How are we going to study our theme?

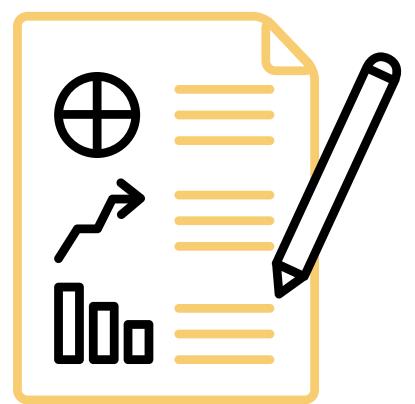




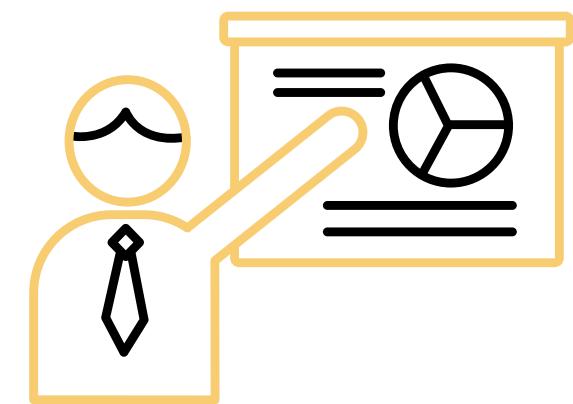
# Our Methodology



**DATA COLLECTION**



**DATA TREATMENT**



**DATA ANALYSIS**



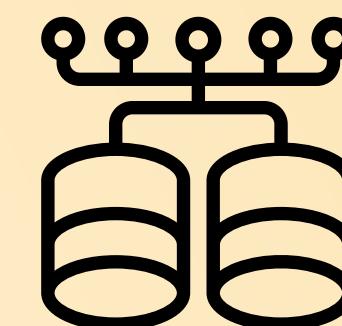
## Data Collection

Collect and Organize the data



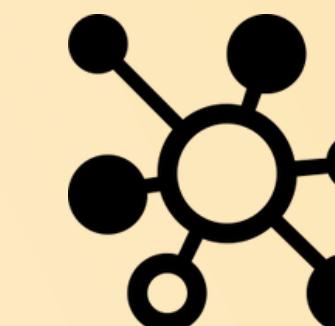
## Data Treatment

Treatment of Outliers  
Finding Missing Values  
Standardizing Variables



## Factor Analysis

PCF Technique  
Data Adequacy: Correlation and KMO  
Varimax Rotation



## Cluster Analysis

Hiereraquical Method  
Wards Input  
K-means Method

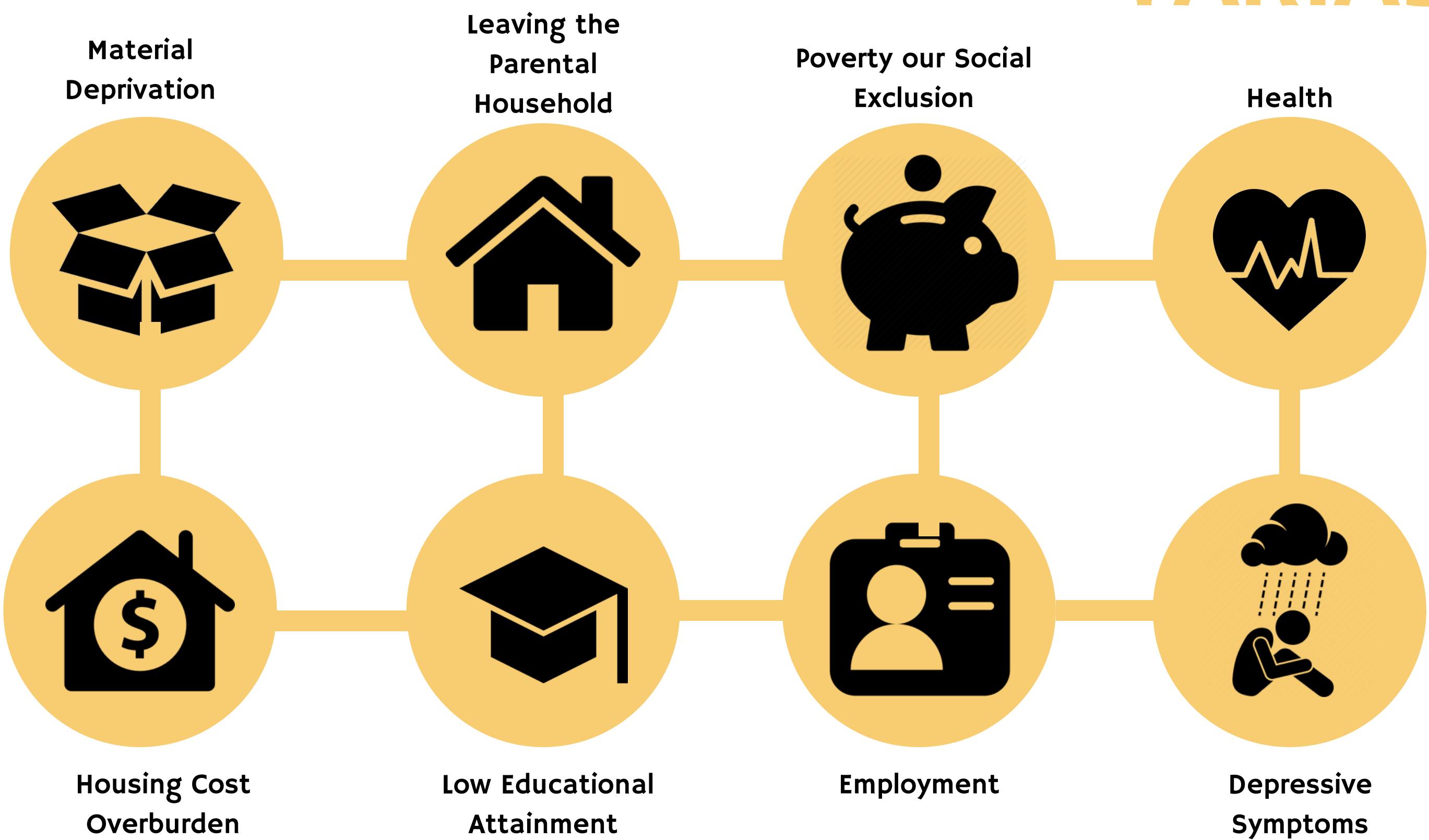


## Results

Interpretation of the results  
The best countries and the worst ones  
...

*Our*

# VARIABLES

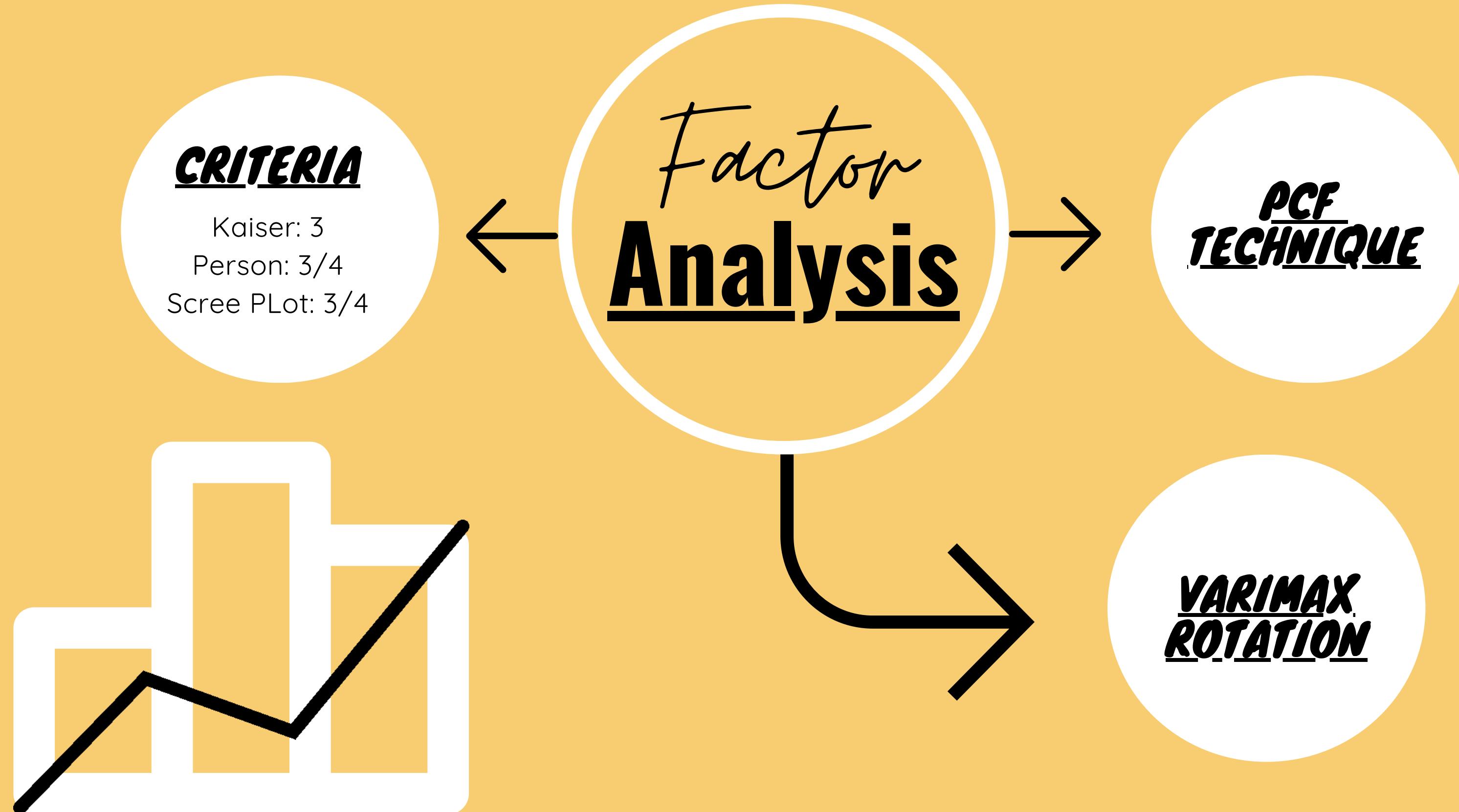


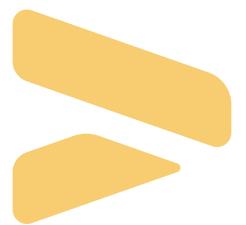
# Results



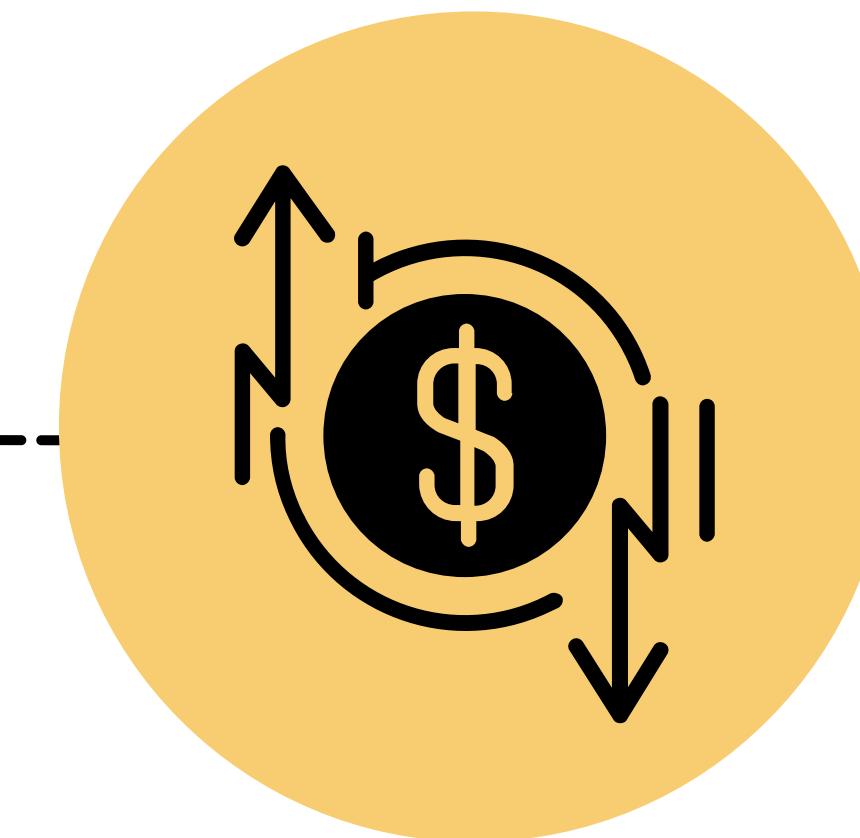
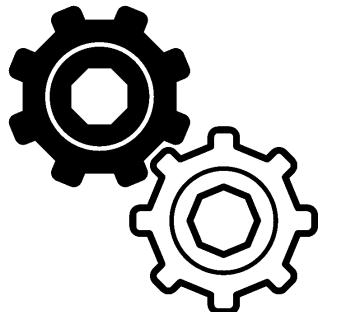


# Factor Analysis Methodology





# Factor Clarification



Economic Power



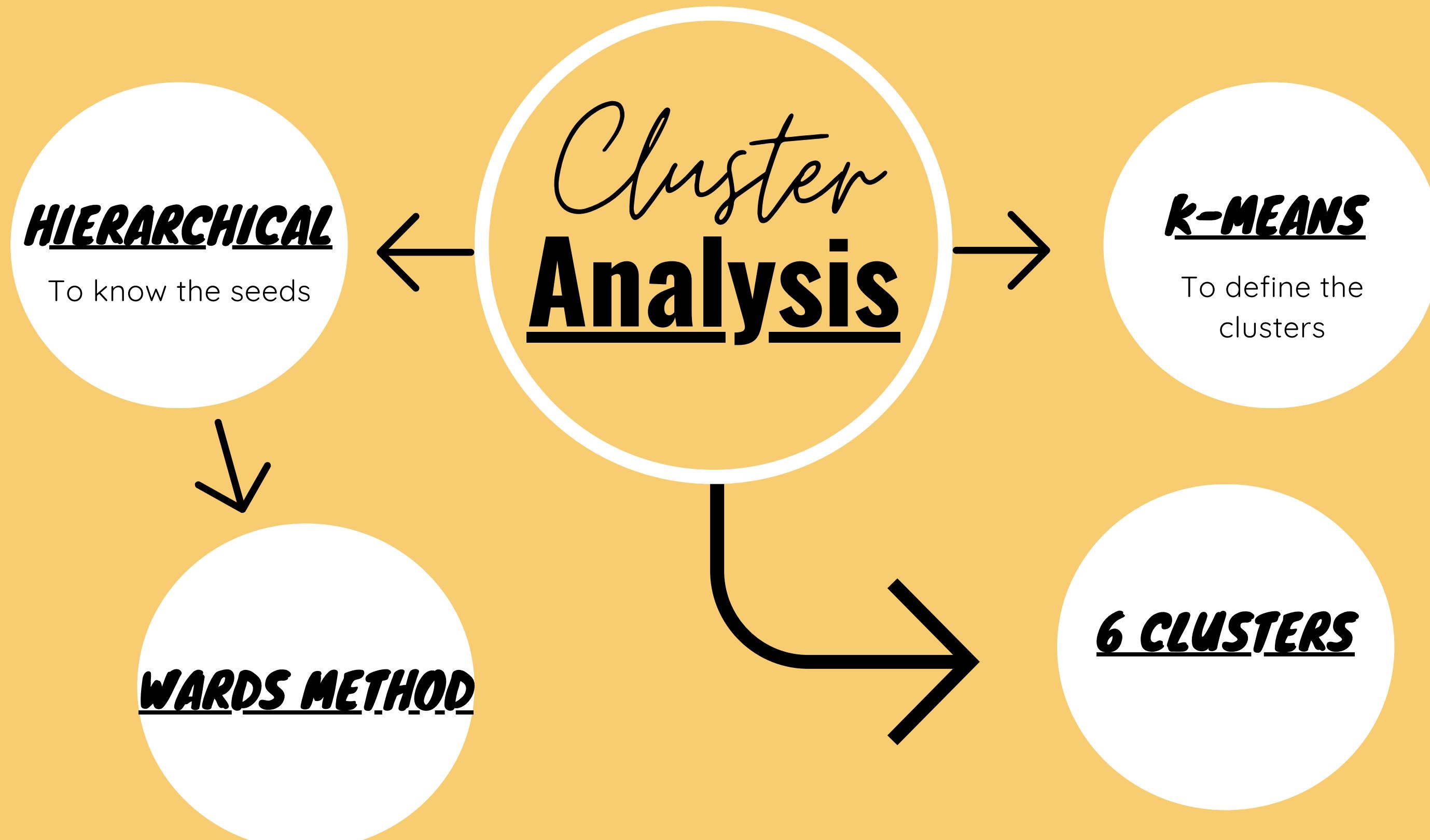
Independence

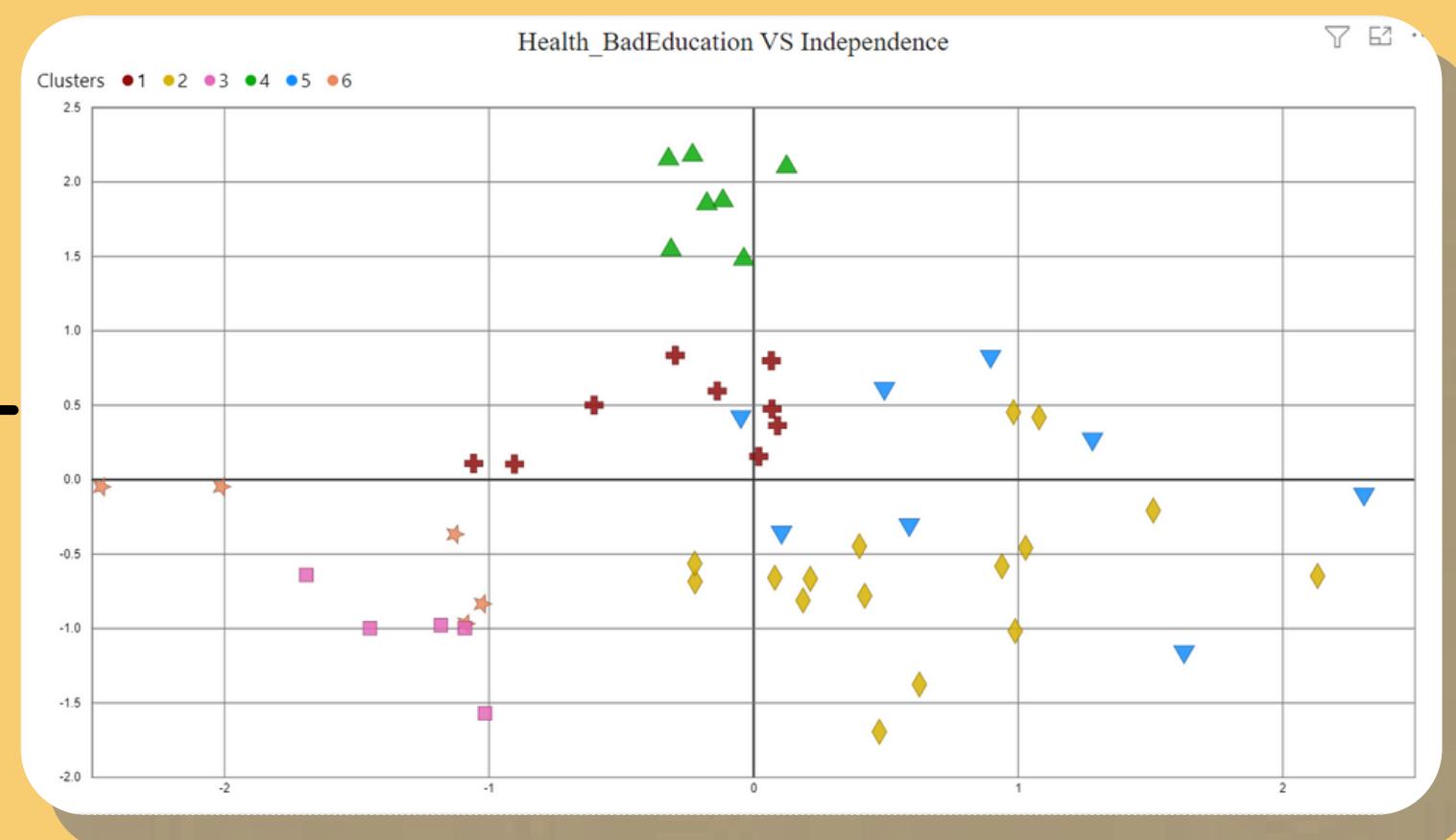
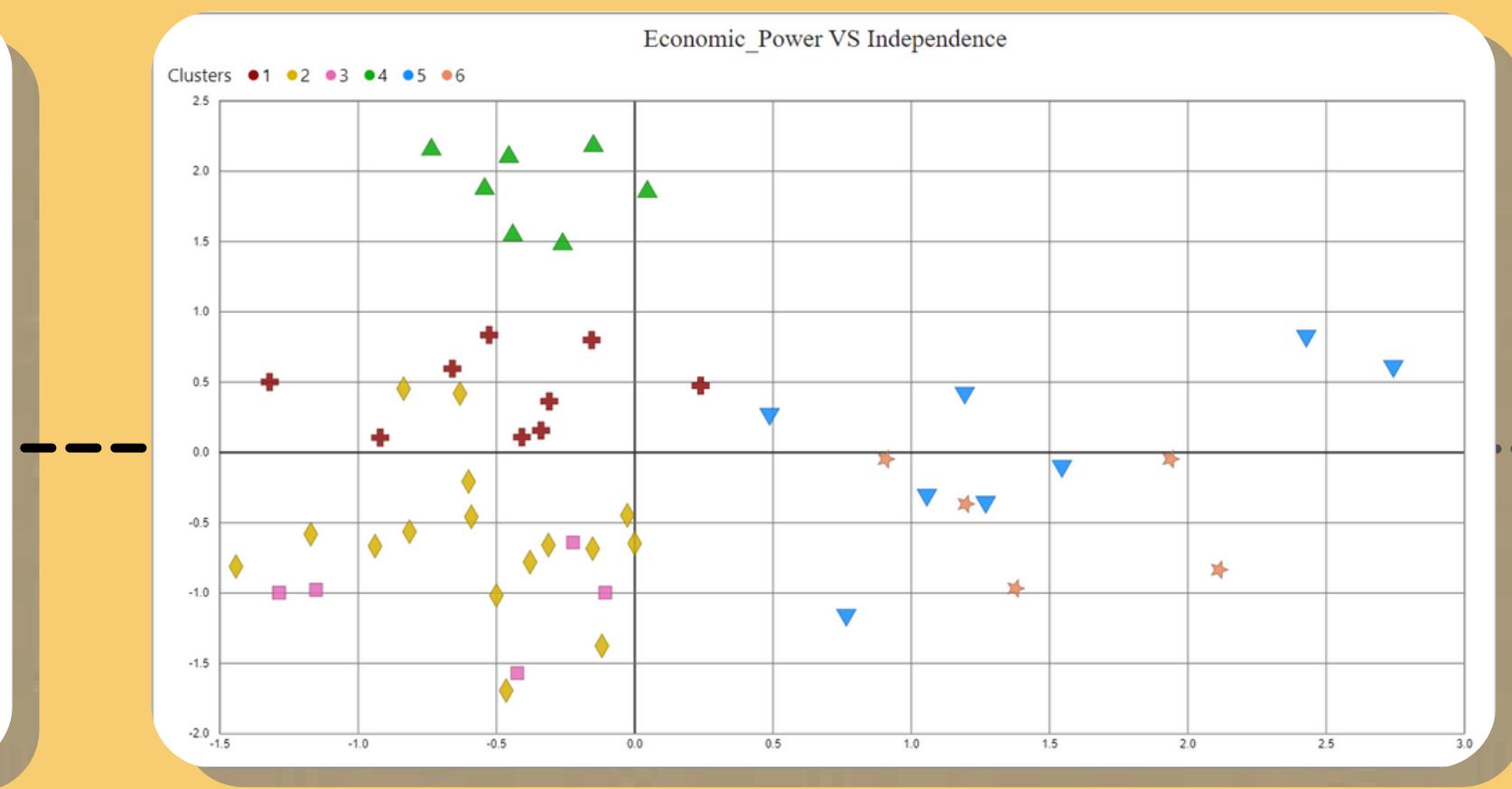
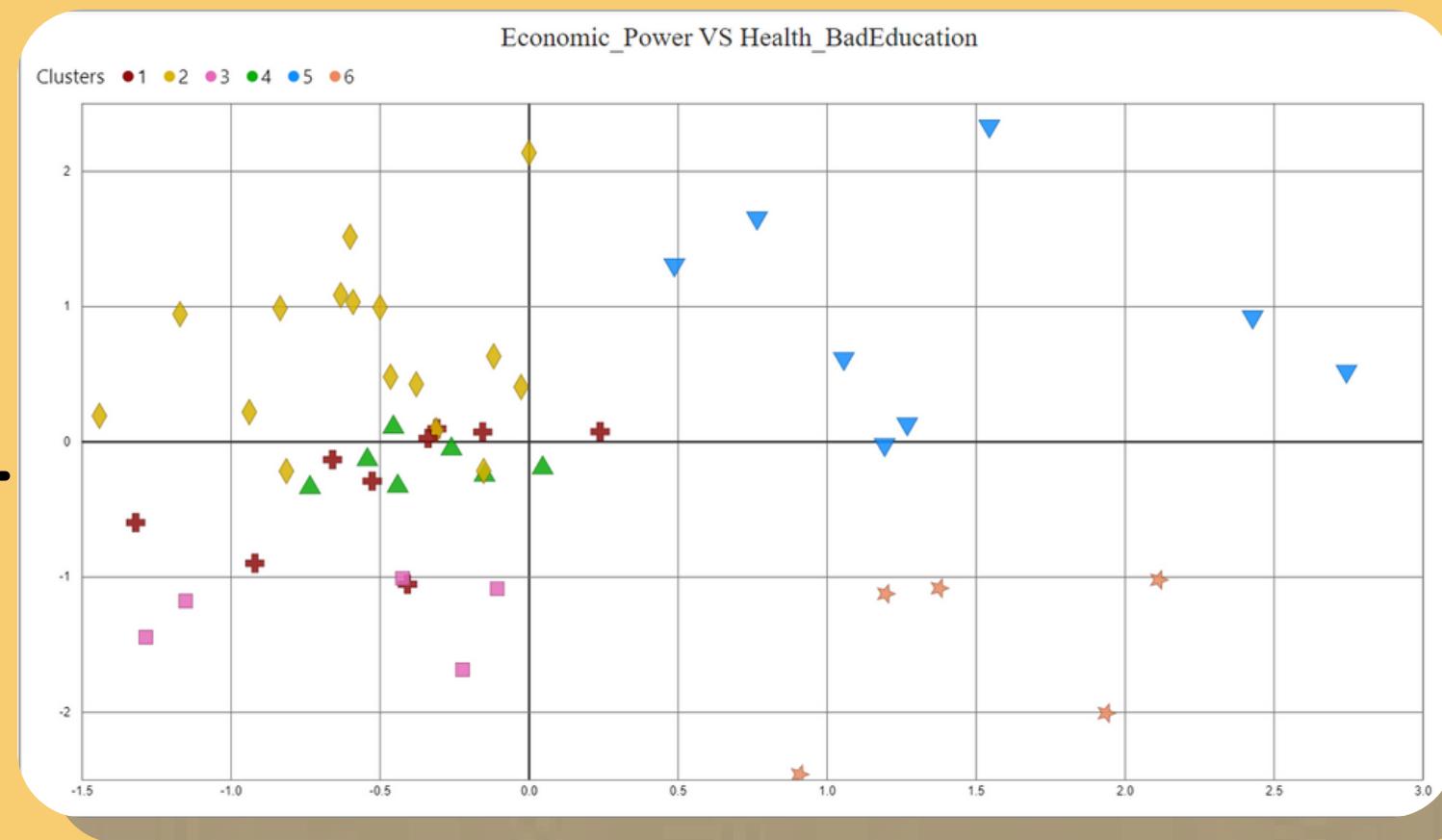


Health and Education



# Cluster Analysis Methodology





Cluster  
**ANALYSIS**

# Cluster ANALYSIS



## Factor 1 - Economic Power (negative)

Low Material Deprivation  
Low Poverty  
High Employment

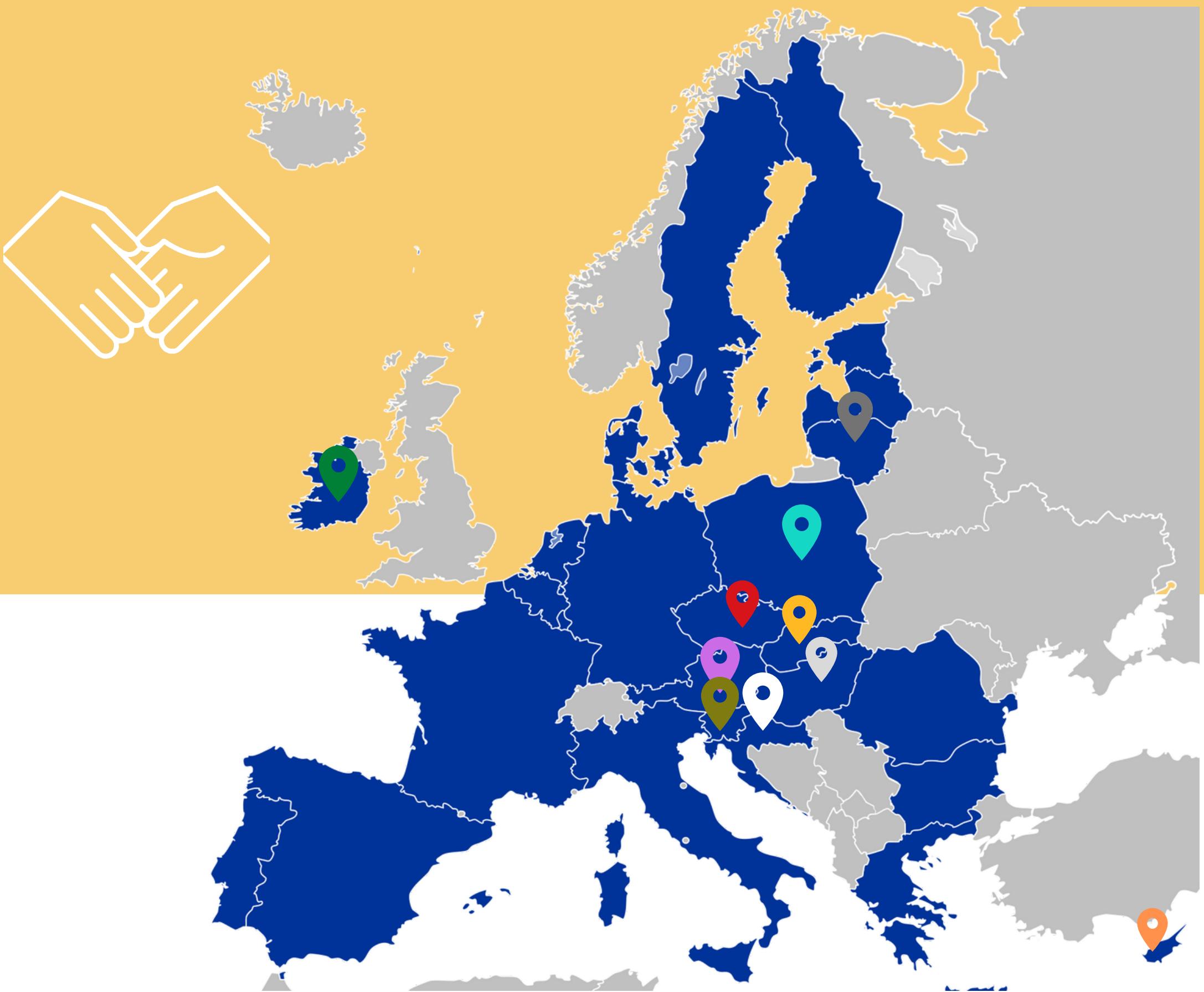
## Factor 2 - Independence (negative)

Low house cost overburdening  
Low Depressive Symptoms  
Higher age to leave parental householding

## Factor 3 - Health and Education (positive)

Good Health Perception  
Low Under Highschool Education

# BEST COUNTRIES



-  **Czechia (both)** 
-  **Poland (both)** 
-  **Croatia (2019)** 
-  **Cyprus (2019)** 
-  **Austria (both)** 
-  **Hungary (2019)** 
-  **Lithuania (both)** 
-  **Ireland (2019)** 
-  **Slovenia (both)** 
-  **Slovakia (both)** 

# BEST COUNTRY



## Czechia's Scores

> **Economic Power**

-1.169470508

> **Independence**

-0.585134248

> **Health and Education**

0.940684809

# Questions



