



Visualizing Gender & Development

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Research Question

What is the relationship between gender inequality and human development?





Data

Gender Inequality Index

Overview (UNDP, 2019):

- Shows loss in potential human development due to disparity between female & male achievements
- Three dimensions: reflects how women are disadvantaged in these dimensions
- Ranges between 0 and 1
 - Closer to 1 = higher inequalities between women and men
 - Closer to 0 = lower inequalities between women and men

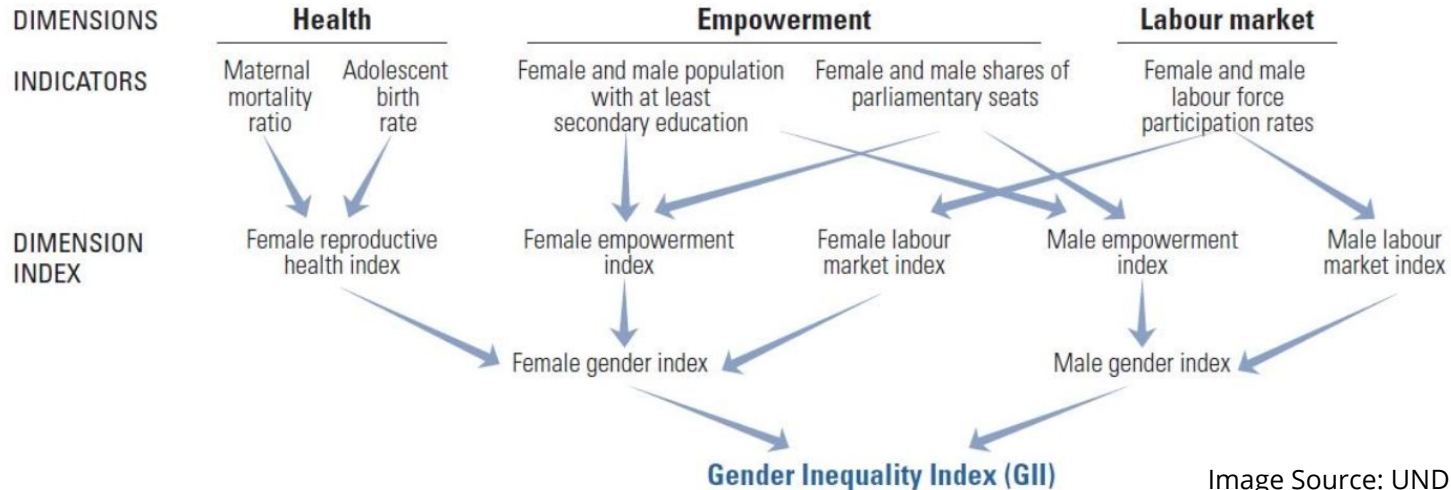
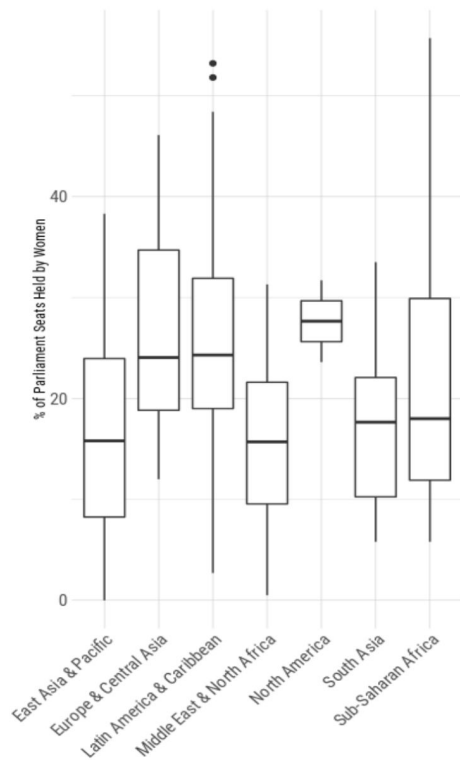
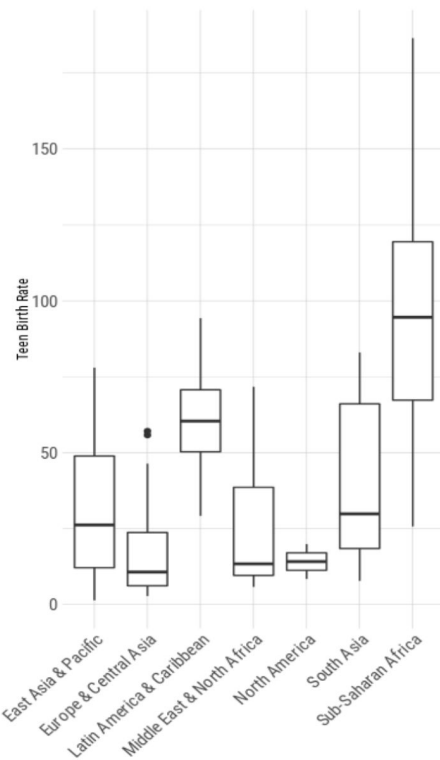
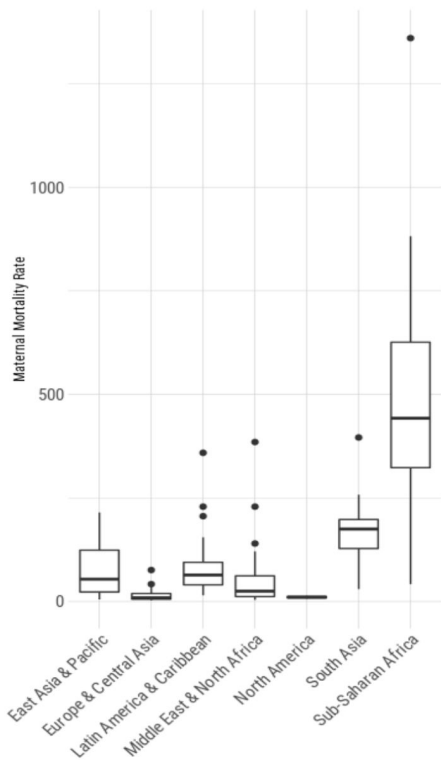


Image Source: UNDP

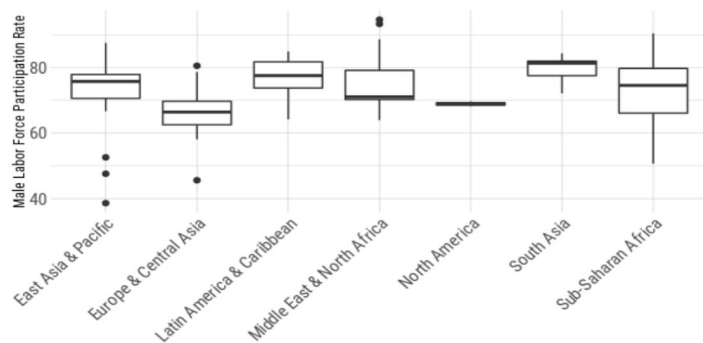
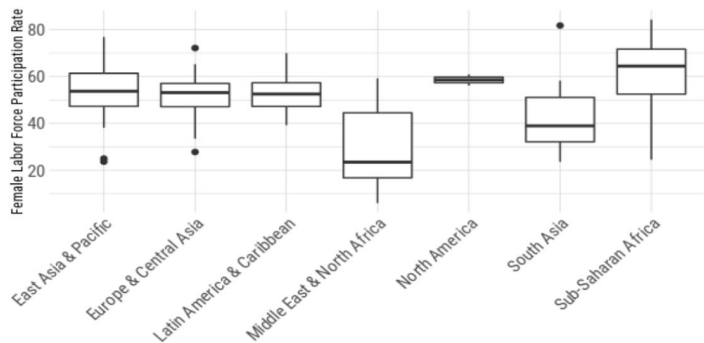
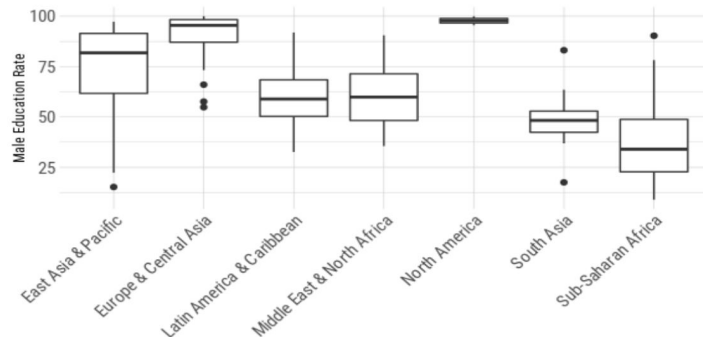
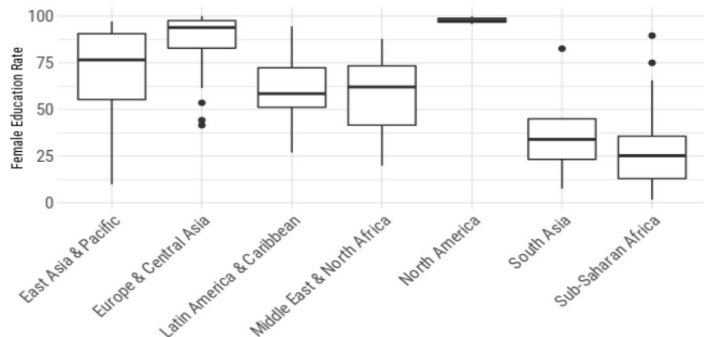
How Do GII Observable Variables Look by Region?

How Do GII Observables Look by Region?



How Do GII Observable Variables Look by Region?

How Do GII Observables Look by Region?



Human Development Index

Overview (UNDP, 2019):

- Created to emphasize that people are the ultimate criteria for development, not economic growth
- Goal of promoting policy discussions (e.g., why countries with same GNI have different HDI)
- Summary (mean) measure of: a long and healthy life, knowledge, and standard of living
 - Closer to 1 = higher levels of human development
 - Closer to 0 = lower levels of human development

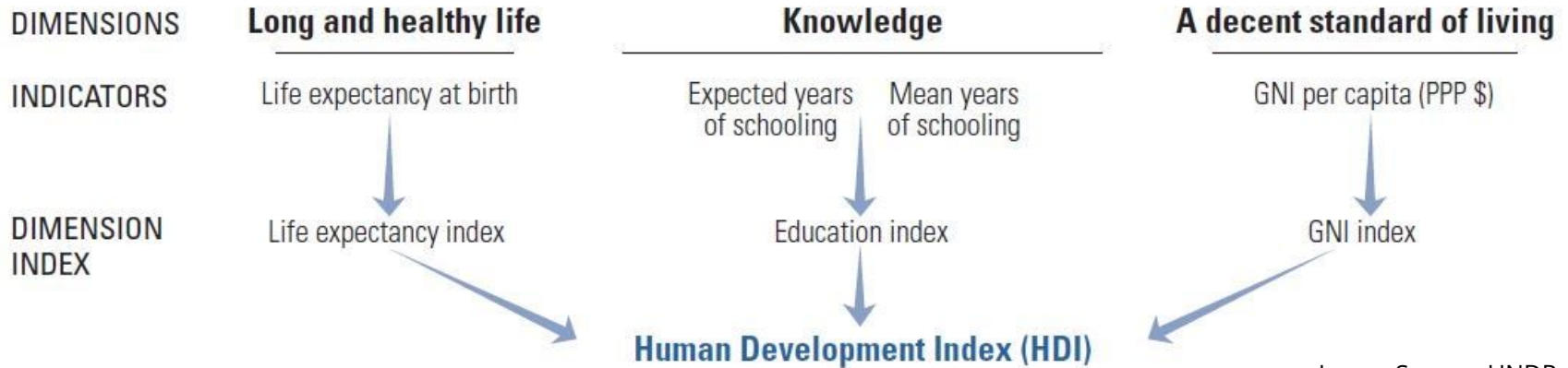
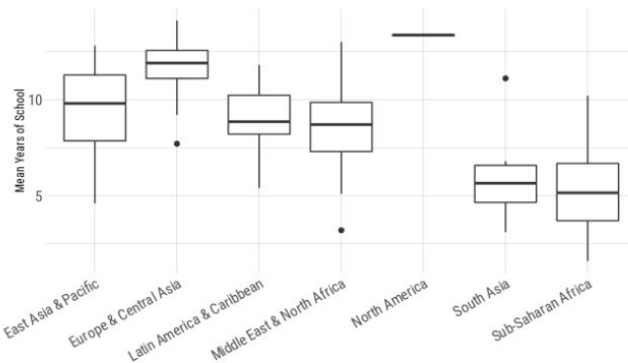
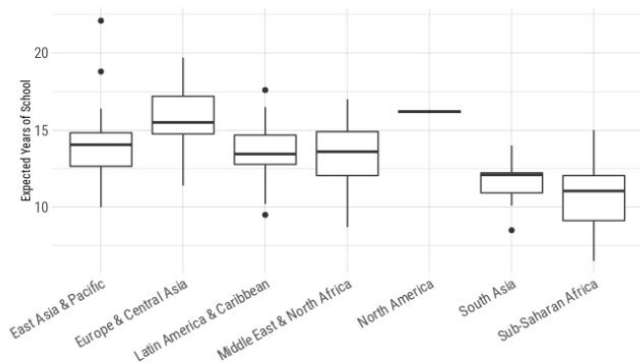
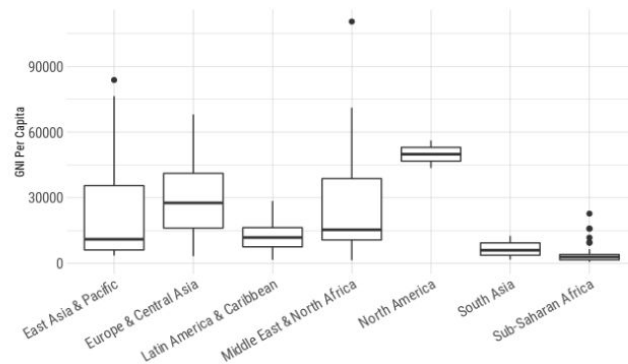
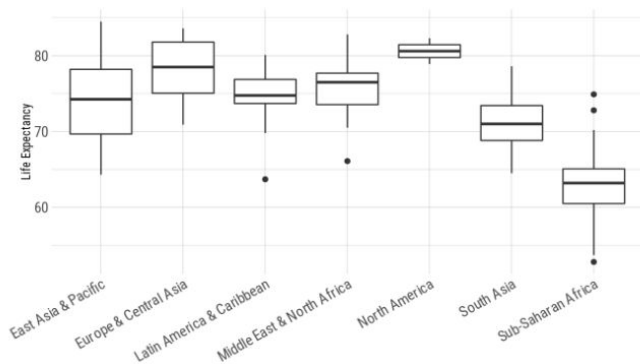


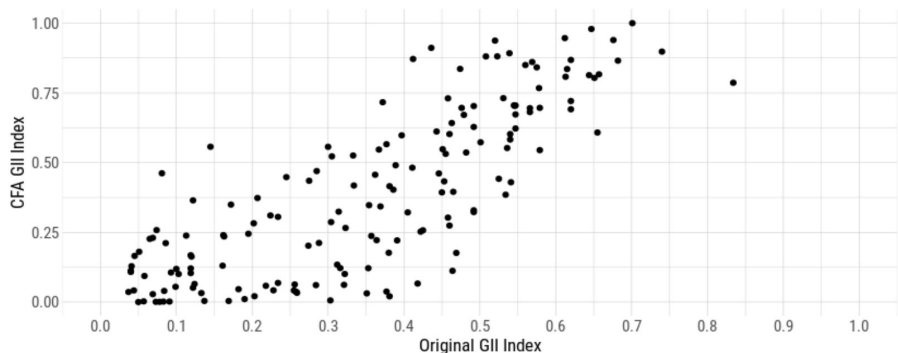
Image Source: UNDP

How Do HDI Observable Variables Look by Region?



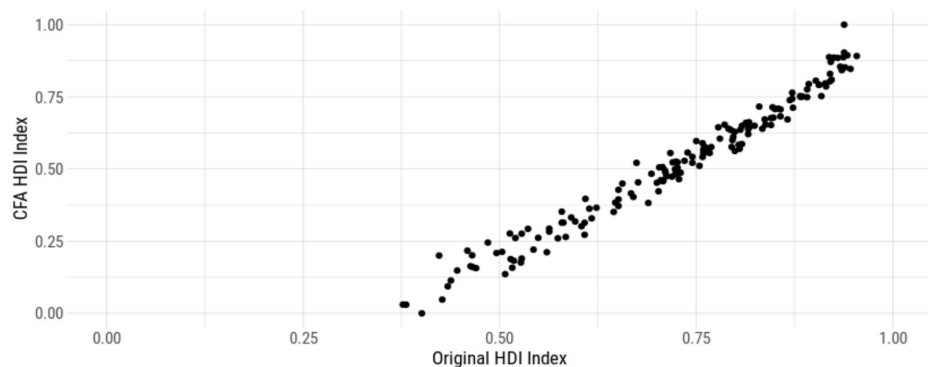
Assessing the GII and HDI Composite Indices

How does the GII Index Compare to Our CFA Index?



Source: UNDP

How does the HDI Index Compare to Our CFA Index?

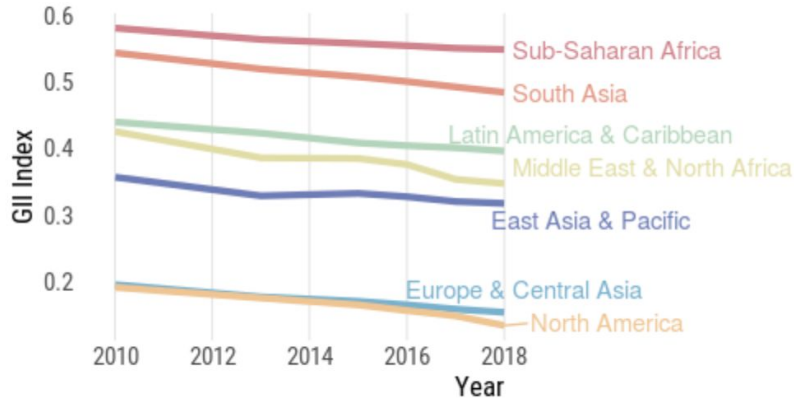


Source: UNDP

Trends Over Time

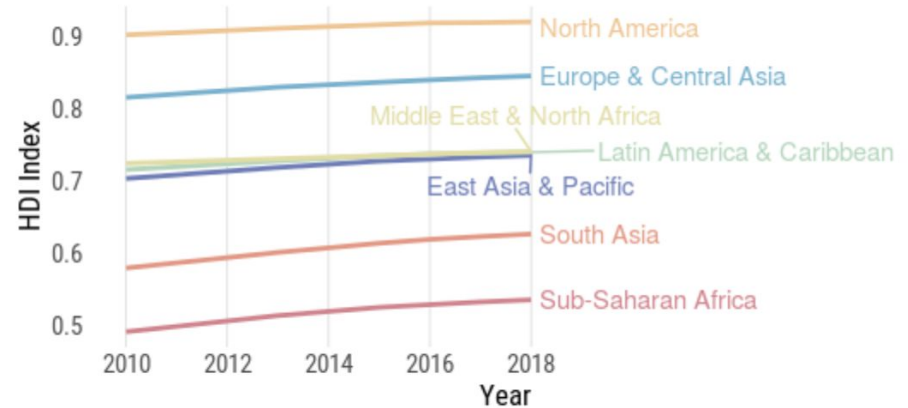
What are the Trends in GII and HDI Over Time?

How Has GII Changed Over Time?



Source: UNDP

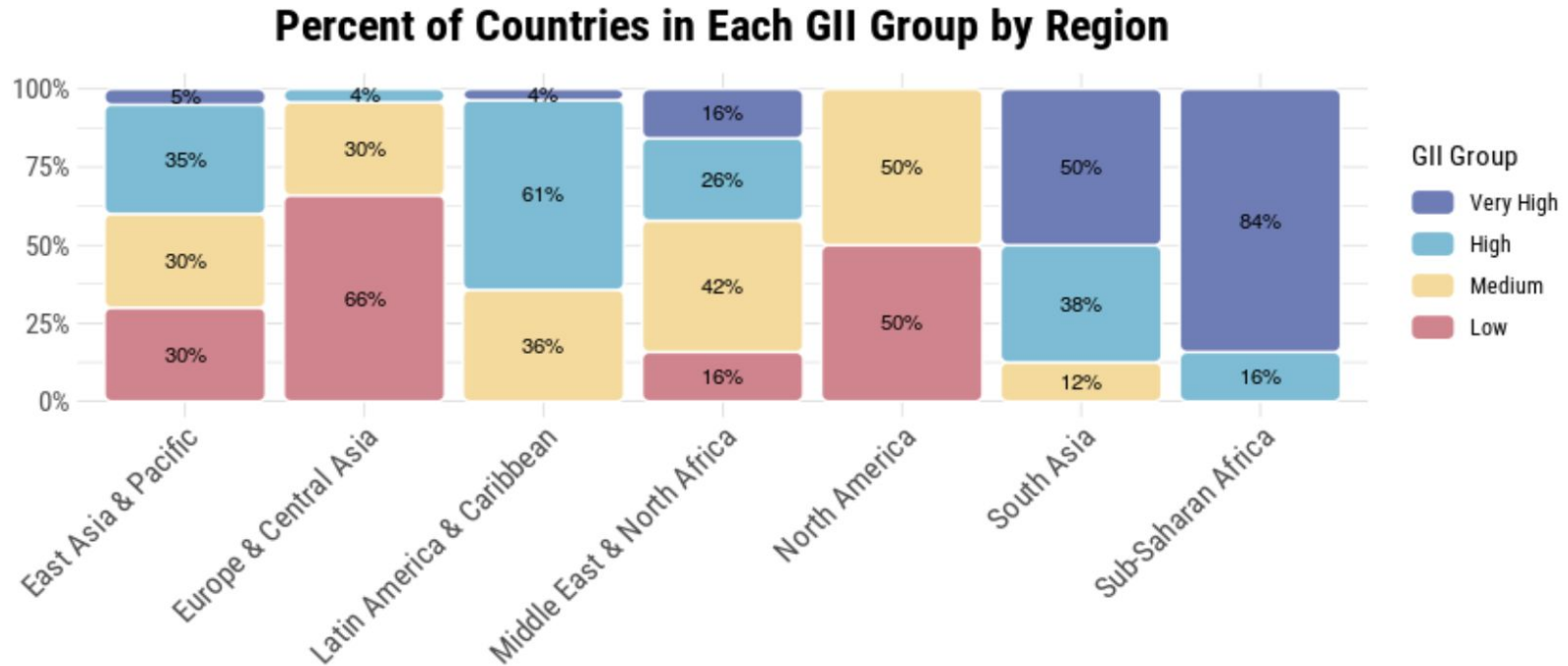
How Has HDI Changed Over Time?



Source: UNDP

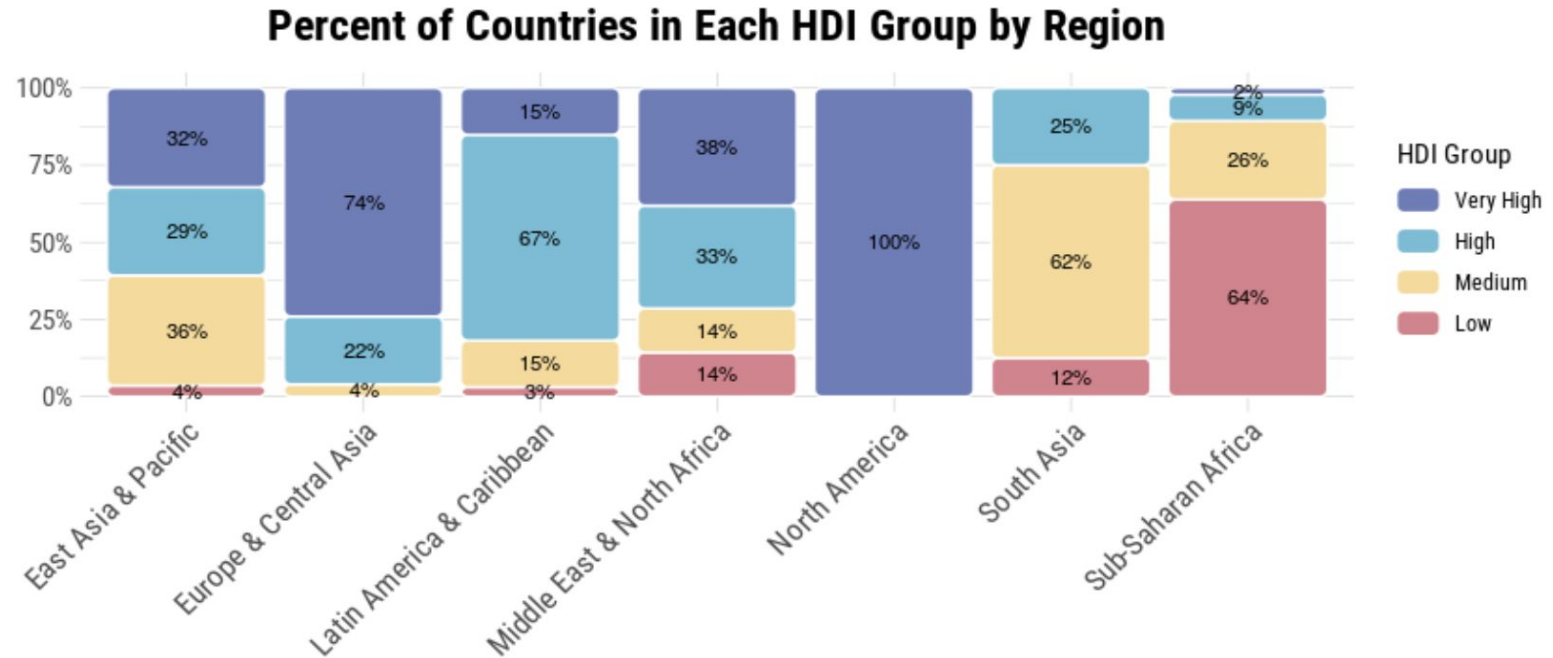
Variation by Region

How does GII vary by region?



Source: UNDP

How does HDI vary by region?



Source: UNDP

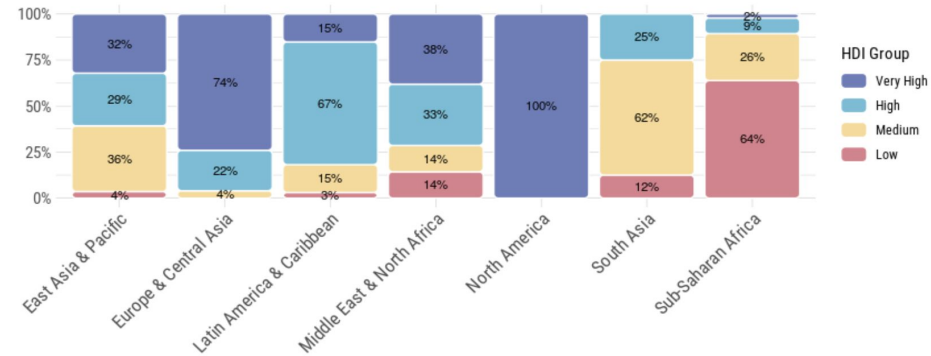
How do GII and HDI vary by region?

Percent of Countries in Each GII Group by Region



Source: UNDP

Percent of Countries in Each HDI Group by Region



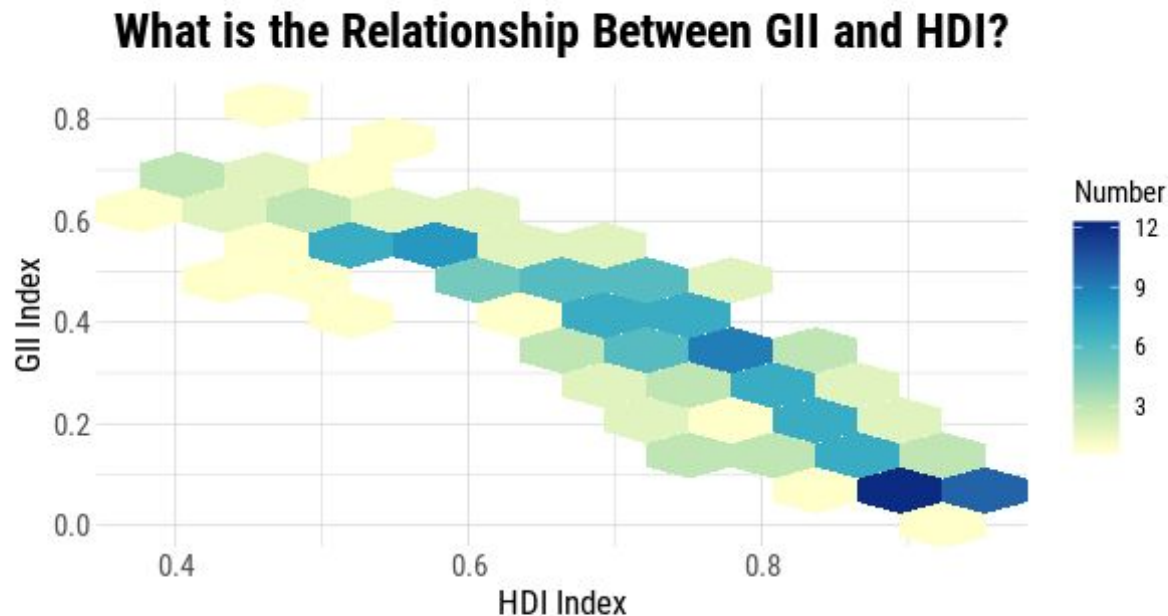
Source: UNDP



The Relationship Between GII and HDI by Country



Comparing Country Scores (I)

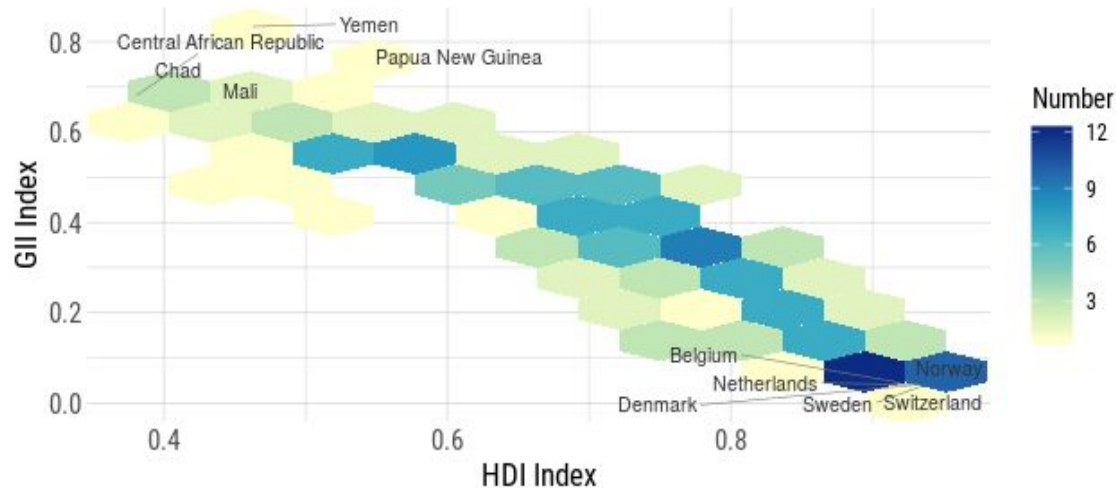


Source: UNDP

Comparing Country Scores (II)

Which Countries Have the Expected Relationship?

High GII and Low HDI (upper left); Low GII and High HDI (lower right)

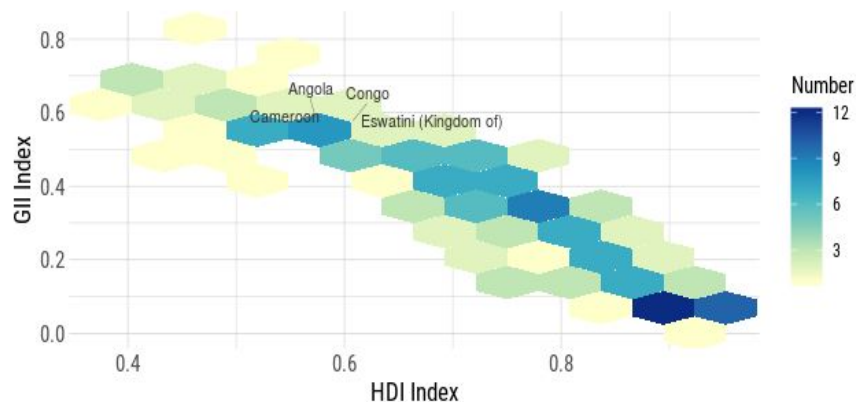


Source: UNDP

Comparing Country Scores (III)

Which Countries Have a More Unexpected Relationship?

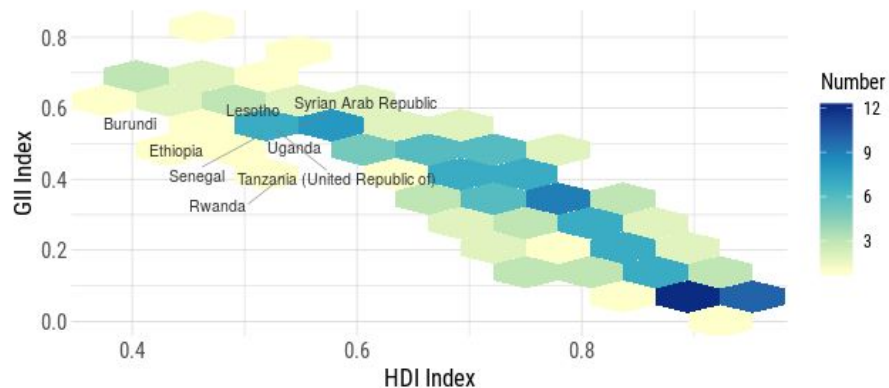
Higher GII and Higher HDI



Source: UNDP

Which Countries Have a More Unexpected Relationship?

Lower GII and Lower HDI

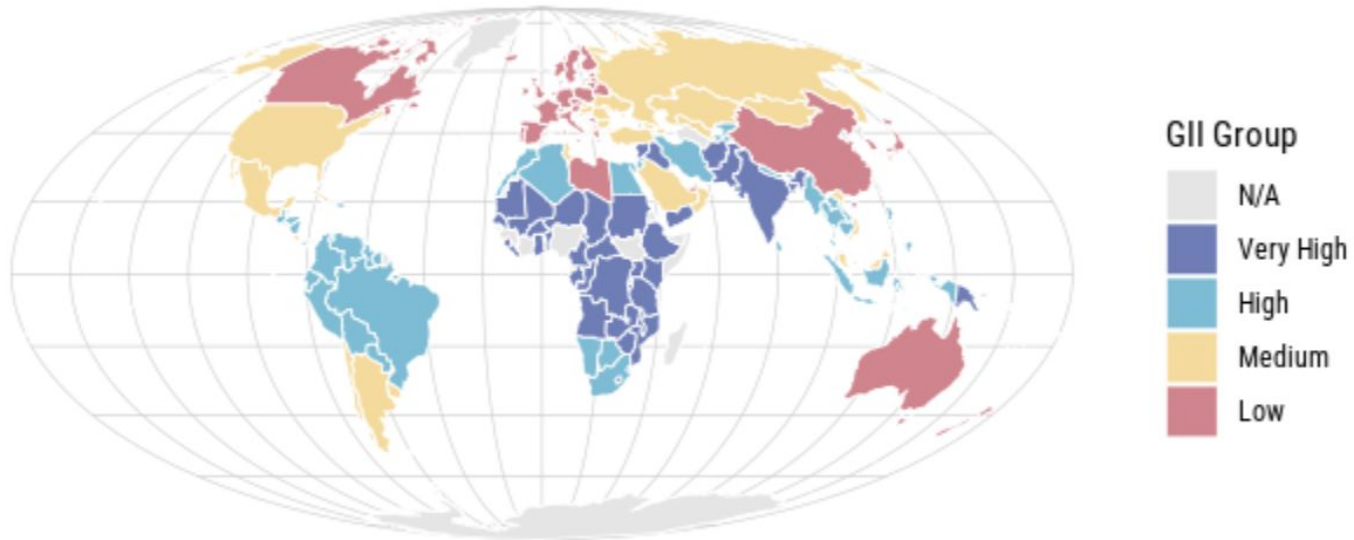


Source: UNDP

Spatial Analysis

Spatial Analysis of GII

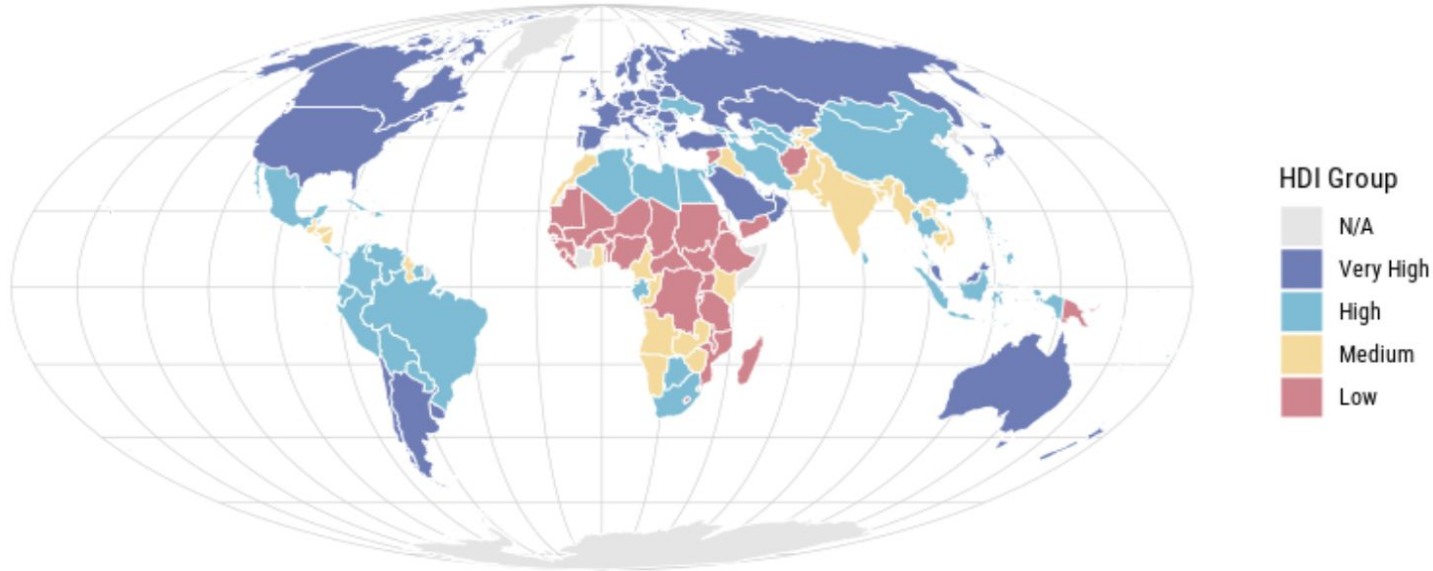
GII Group by Country



Source: UNDP

Spatial Analysis of HDI

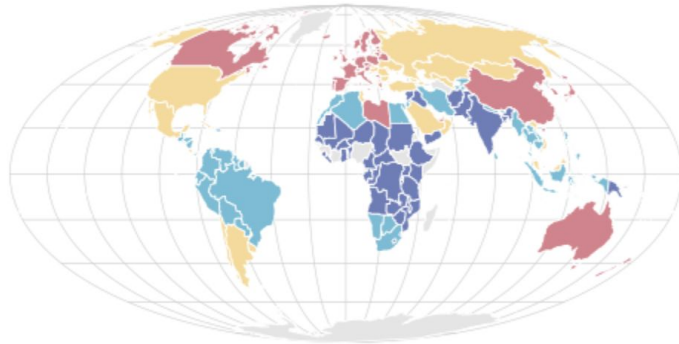
HDI Group by Country



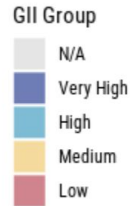
Source: UNDP

Comparing the Spatial Analyses of HDI and GII

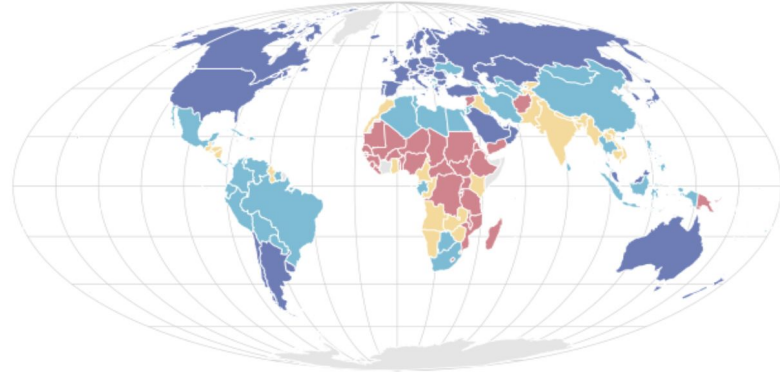
GII Group by Country



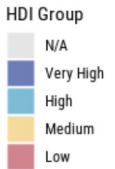
Source: UNDP



HDI Group by Country



Source: UNDP





Questions?

