Standards of Living
from the Esri GeoInquiries™ collection for World Geography

<table>
<thead>
<tr>
<th>Target audience – World geography learners</th>
<th>Time required – 15 minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity</td>
<td>A comparison of the standards of living in the world’s fastest- and slowest-growing regions.</td>
</tr>
<tr>
<td>Social studies standards</td>
<td>C3:D2.Geo.8.6-8. Analyze how relationships between humans and environments extend or contract spatial patterns of settlement and movement. C3:D2.Geo.4.6-8. Explain how cultural patterns and economic decisions influence environments and the daily lives of people in both nearby and distant places.</td>
</tr>
<tr>
<td>Learning Outcomes</td>
<td>• Analyze the standard-of-living indicators for each region. • Form a hypothesis about the relationship between these indicators and population growth.</td>
</tr>
</tbody>
</table>

Map URL: http://esriurl.com/worldGeoInquiry7

Ask

Where are the countries with the highest and lowest populations over age 64?

- Click the link above to launch the map.
- With the Details button underlined, click the button, Show Contents.
- Click the layer name, SOL-Population 65 Years Or Older/Percent. Click the Show Table button. (Note: SOL stands for standard of living.)
- In the table, click the field header, Pct Over 64. Choose Sort Ascending.
- Scroll down past -99 and highlight the next 30 rows in the table (low population over 64). (See the Select Features in a Table ToolTip on the next page for details.)
  ? Where are the 30 countries located that have the lowest percentage of population living to 65 years or older? What is the lowest percentage? [Sub-Saharan Africa, the Middle East, and Afghanistan; 3.10%]
  ? Where are the 30 countries located that have the highest percentage of population living to 65 years or older? What is the highest percentage? [Europe, China, and Japan; 17.5%]

Acquire

Where are countries with the highest and lowest infant mortality rates?

- Close the open table.
- Turn on the layer, SOL-Infant Mortality/Deaths. Turn off the other SOL layers.
- Open the SOL-Infant Mortality/Deaths layer table. Sort descending on the Infant Mortality Total field.
  ? Where are the 30 countries located that have the highest infant mortality rates, and what is the highest percentage? [Sub-Saharan Africa, Afghanistan, and Pakistan; 57.48%]
  ? Where are the 30 countries located that have the lowest infant mortality rates, and what is the lowest percentage? [Europe, Japan, and South Korea; 4.28%]

Explore

Where are countries with the highest and lowest GDP per capita?

- Close the open table and turn off all SOL layers.
- Individually, turn on and explore the two layers, SOL – GDP Per Capita and Workforce In Services %.
  ? Where are the countries with the lowest GDP per capita? What is the lowest GDP? [Sub-Saharan Africa, Afghanistan, Tajikistan; $1,400 (USD)]
  ? What are the highest GDP countries? [Europe, USA, Japan, Australia, Canada; $29,400 (USD)]
Where are countries with the highest and lowest life expectancy and literacy?

- Close the open table.
- Turn off all SOL layers. Individually, explore the two layers & tables, SOL-Life Expectancy, SOL-Literacy.

? Where are the countries with the lowest life expectancy? What is the lowest number of years? [Sub-Saharan Africa and Afghanistan; 49.44 years]

? Where are the countries with the highest life expectancy, and what is the highest number of years? [Europe, USA, Japan, Australia, and New Zealand; 89.57 years]

? Where are the countries located that have the lowest literacy rates, and what is the lowest percentage? [Sub-Saharan Africa and Afghanistan; 18%]

? Where are the countries located with the highest literacy rates, and what is the highest percentage? [Europe, USA, Japan, Australia, and New Zealand; 100%]

Act

How is net migration connected with the standard-of-living indicators?

- The net rate of migration is the number of people per 1,000 gained or lost each year as a result of migration. A negative number indicates that more people are leaving the country and a positive number means more people are coming into the country.

? Based on the above indicators, which region would you expect to have a negative net migration? A positive net migration? [Negative: Sub-Saharan Africa (countries with low standards of living); positive: Europe (countries with high standards of living)]

? Turn off all layers, turn on the SOL-Net Migration layer, and then view its legend.

? How does the map support or not support your hypothesis? [Answers will vary.]

Next Steps

DID YOU KNOW? ArcGIS Online is a mapping platform freely available to public, private, and home schools. A school subscription provides additional security, privacy, and content features. Learn more about ArcGIS Online and how to get a school subscription at http://www.esri.com/schools. THEN TRY THIS...

• Above the Contents pane, click Analysis.
• Expand Find Locations, and then click Derive New Locations.
• Click Add Expression, and then build the following expression: Net Migration Where Net Migration Is Less Than -4.

This GIS map has been cross-referenced to material in sections of chapters from these middle school texts.

- World Cultures and Geography by McDougal Littell
- My World Geography by Pearson