

Technology, Reading, and Access: A Look at PISA 2009 Data for 15-Year-Olds in Mexico

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Seguimos Creando Enlaces

San Diego, 6 marzo 2014



The Programme for International Student Assessment

Measuring Reading Performance

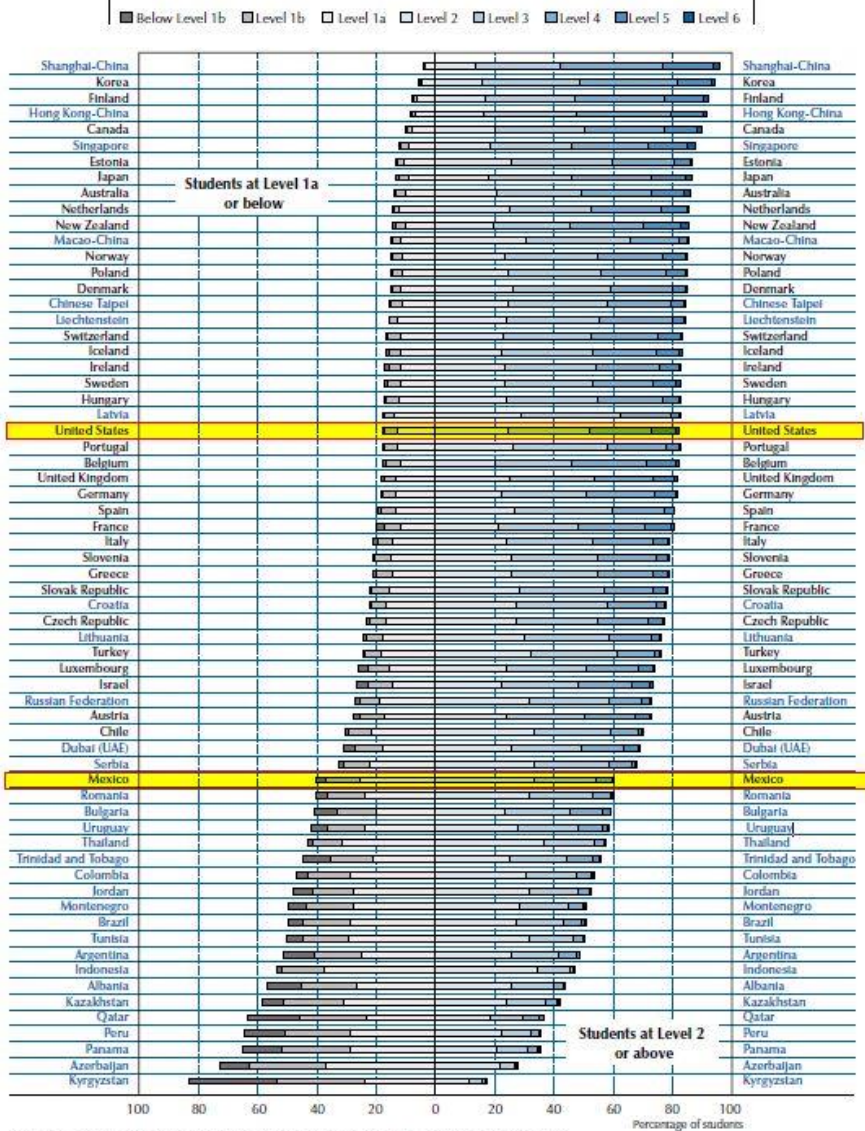
- In print and online
- Continuous, non-continuous, mixed, and multiple
- Personal, educational, occupational, public
- Descriptive, narration, exposition, argumentation, direction, and transaction



Figure I. 2.14

How proficient are students in reading?

Percentage of students at the different levels of reading proficiency



Countries are ranked in descending order of the percentage of students at Levels 2, 3, 4, 5 and 6.

Source: OECD, PISA 2009 Database, Table I.2.1.1.

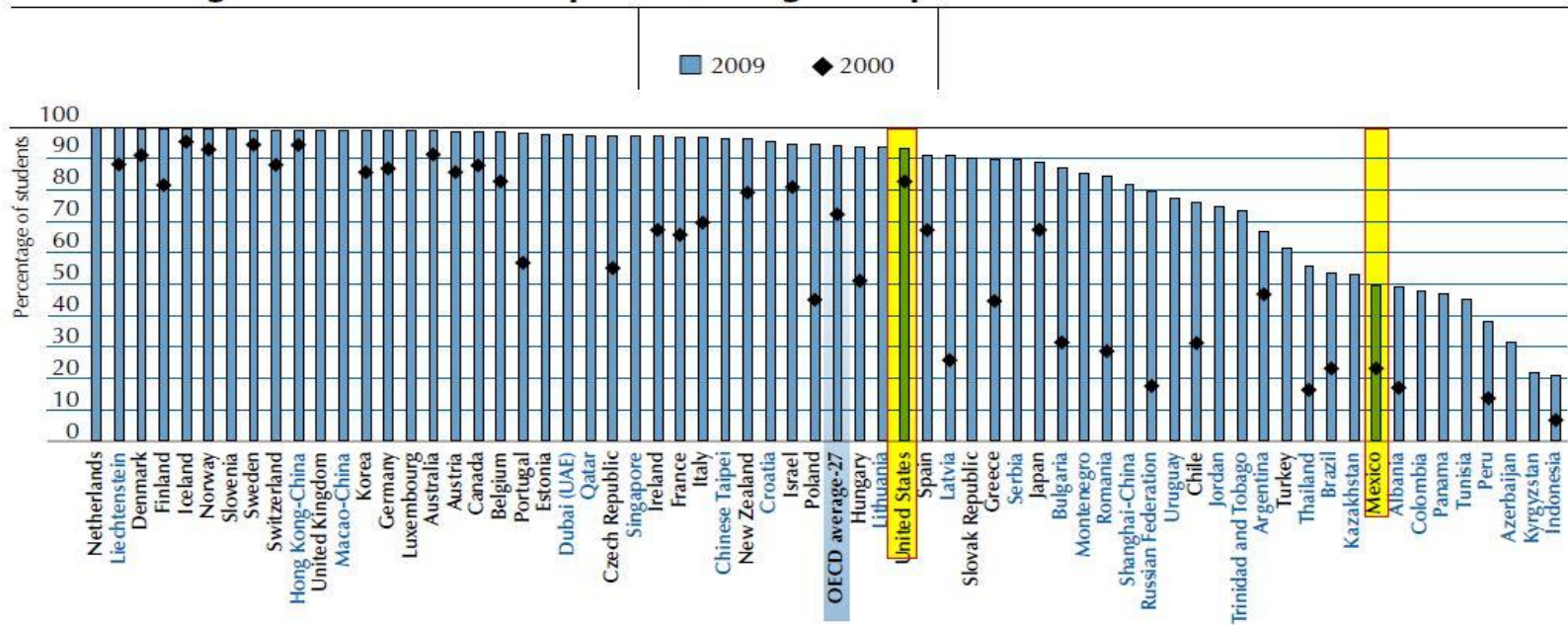
Steelink <http://dx.doi.org/10.1787/888032343133>

2009 Reading Performance by Country

2009 Computer Ownership by Country

■ Figure VI.5.2 ■

Percentage of students who reported having a computer at home in PISA 2000 and 2009



Notes: All differences between 2000 and 2009 are statistically significant.

OECD averages in 2000 and 2009 for 27 countries. OECD average in 2009 for 34 countries is 93.8%.

Countries are ranked in descending order of percentage of students who reported having a computer at home in PISA 2009.

Source: OECD, PISA 2009 Database, Tables VI.5.2 and VI.5.3.

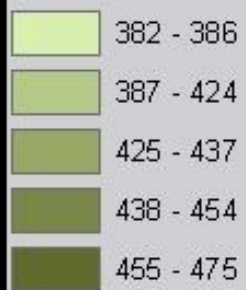
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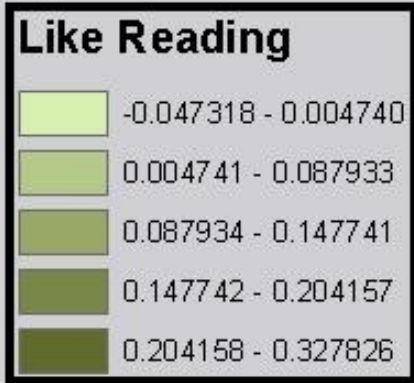
Who reads well?

Who enjoys reading?



2009 PISA Reading Scores



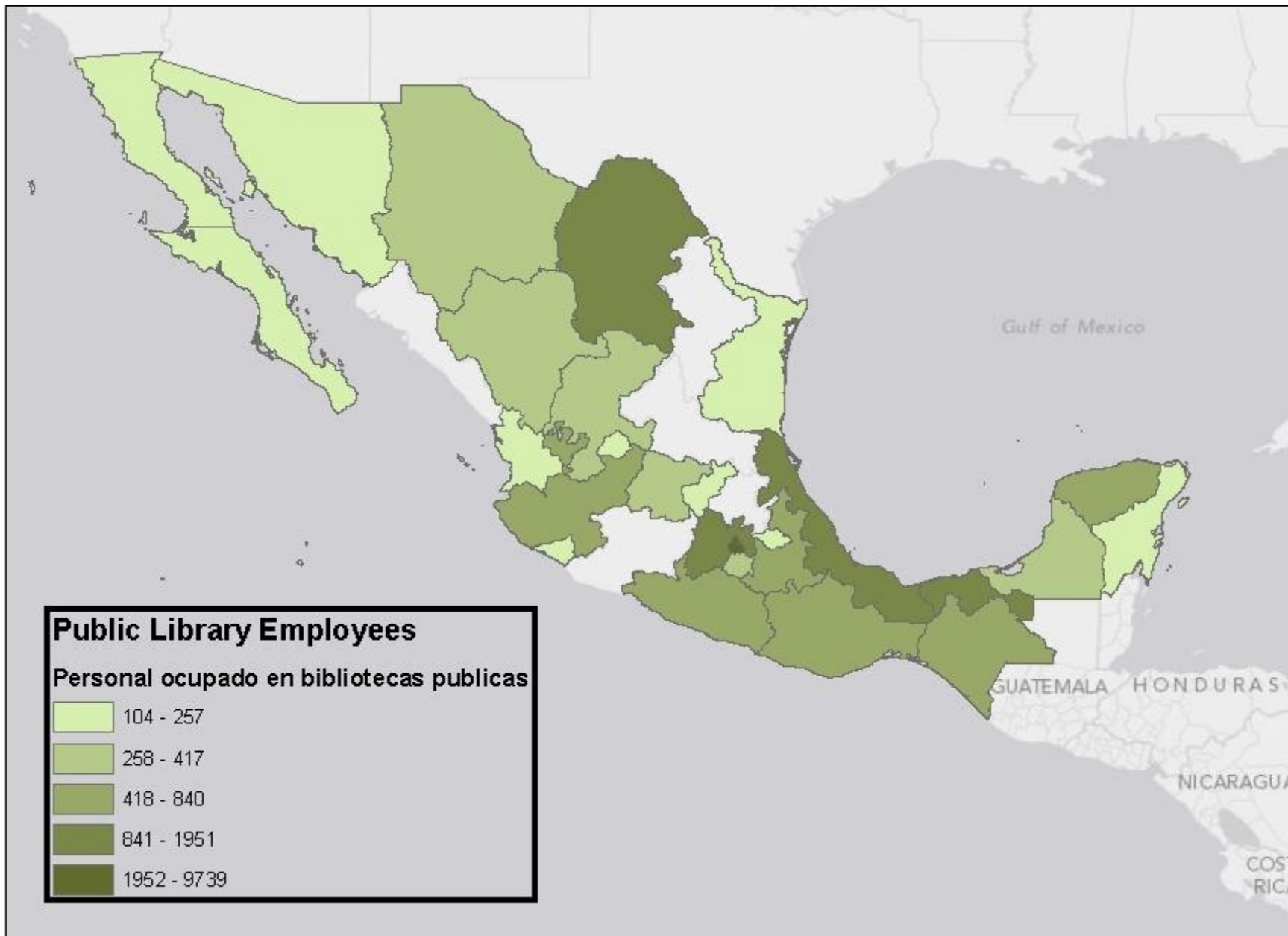


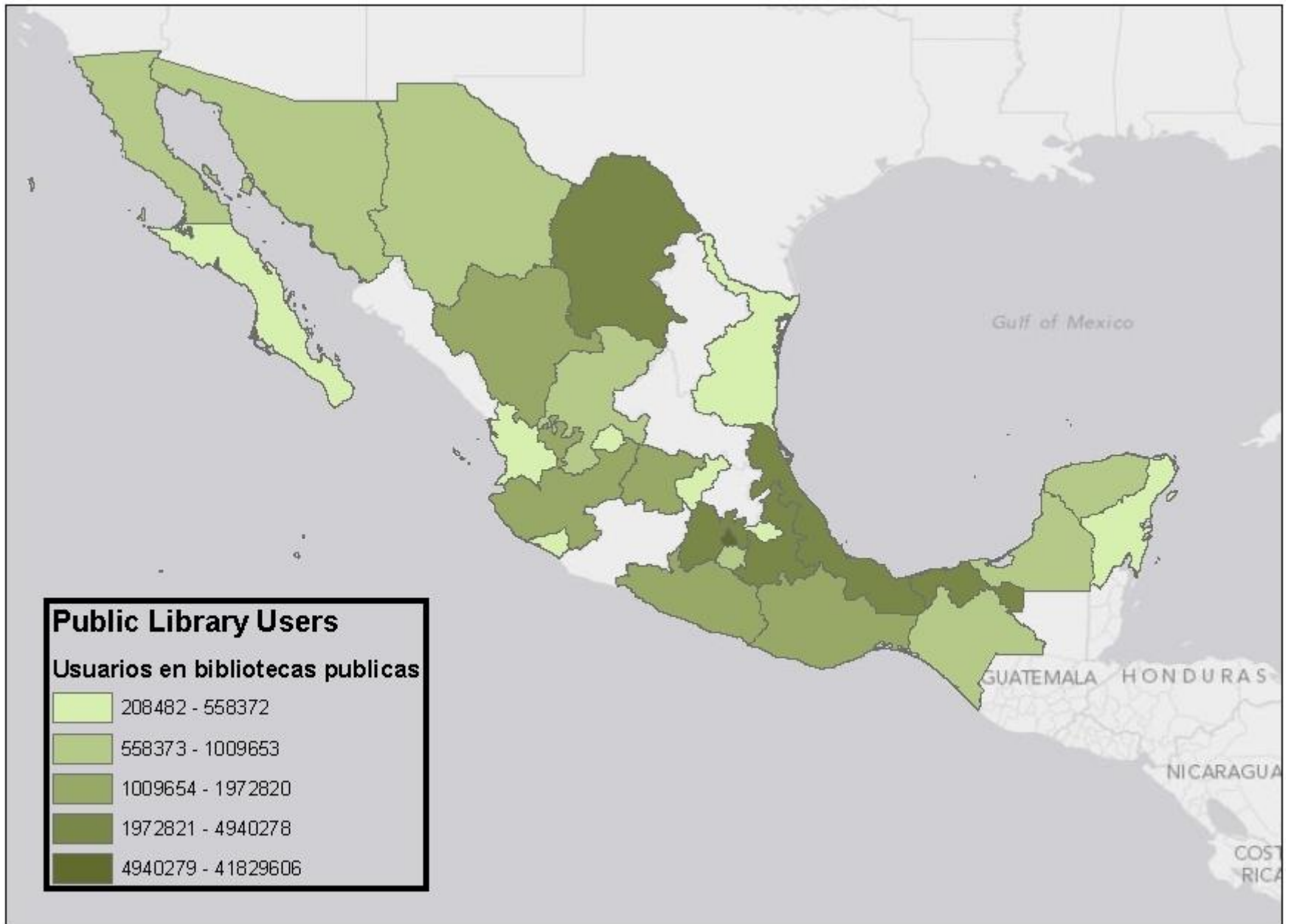




Library Access

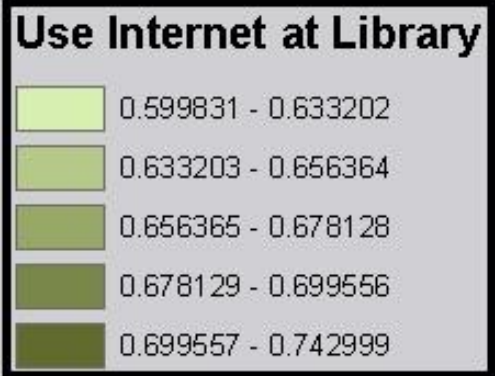


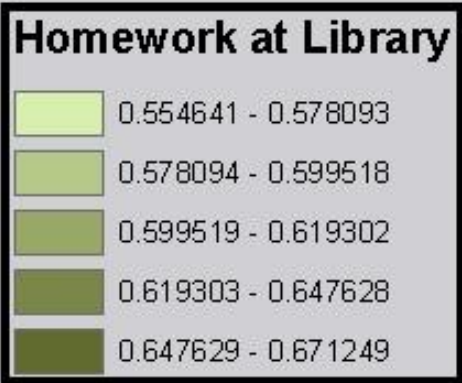


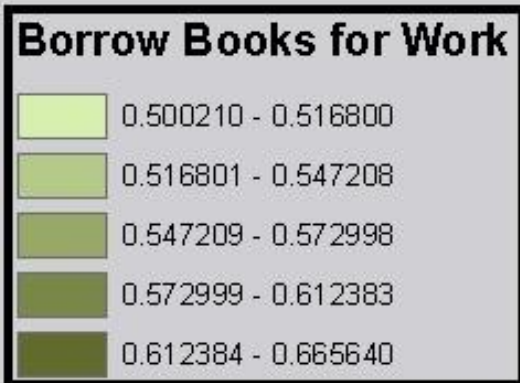
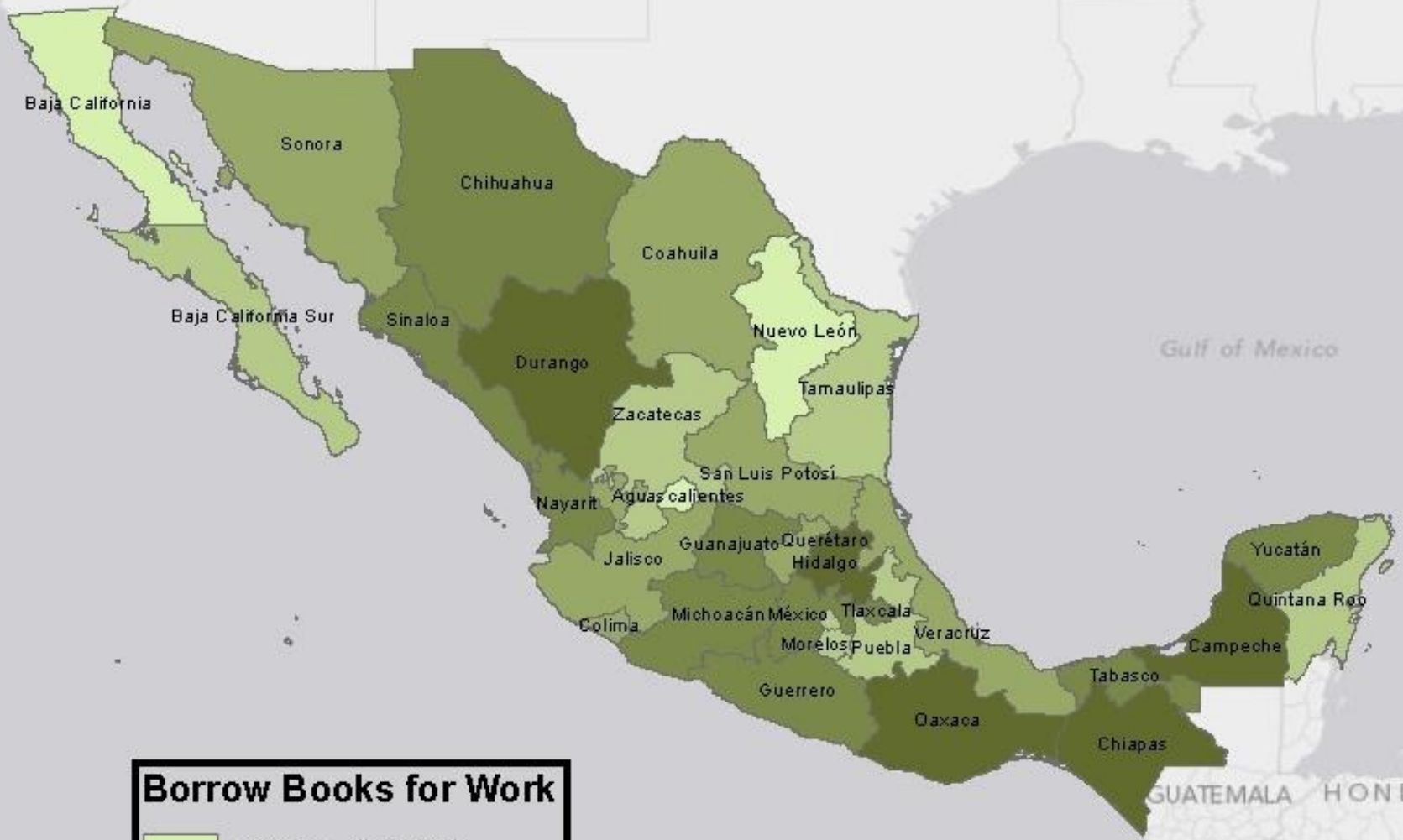


What do 15-year-olds
do at the library?











Use Library to Learn

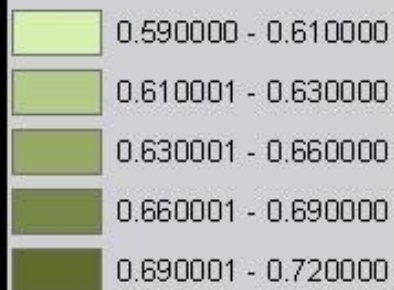
Lightest Green	0.517895 - 0.533143
Light Green	0.533144 - 0.564577
Medium Green	0.564578 - 0.593492
Dark Green	0.593493 - 0.609330
Darkest Green	0.609331 - 0.632111



What do 15-year-olds
enjoy reading?



Read Magazines





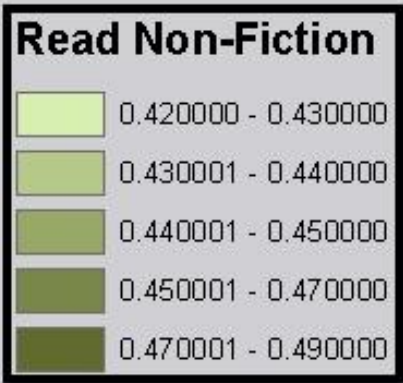


Gulf of Mexico

GUATEMALA HONDURAS

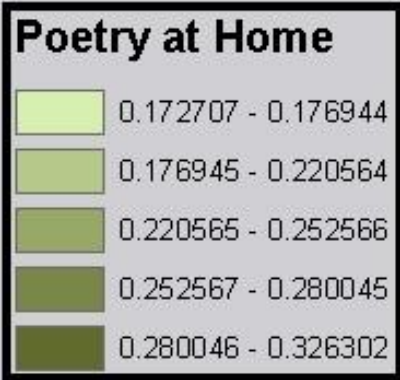
NICARAGUA

COST RICA



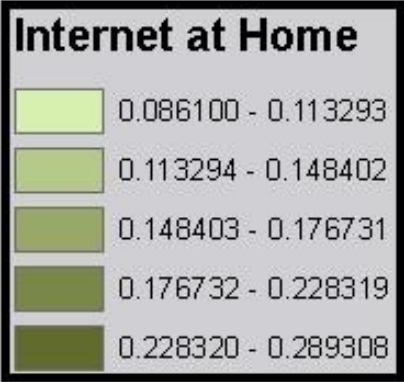




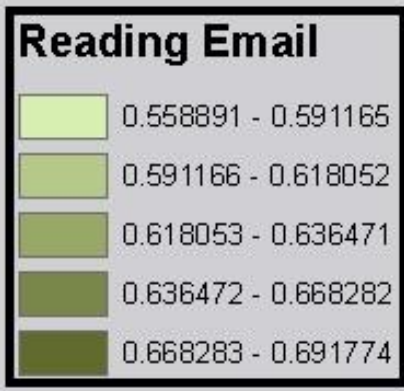


What about
technology?









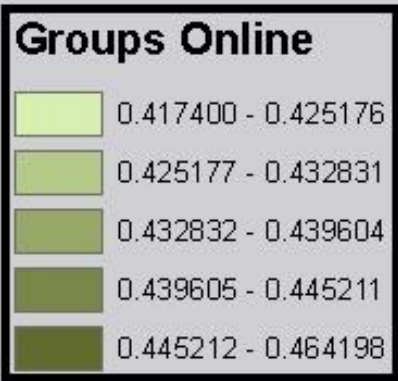




News Online	
Lightest Green	0.507317 - 0.526754
Light Green	0.526755 - 0.548608
Medium Green	0.548609 - 0.566965
Dark Green	0.566966 - 0.586467
Darkest Green	0.586468 - 0.609024







Promoting Reading & Technology with Teenagers

- More technology use in Northern Mexico, combined with more reading and less enjoyment of that reading.
- More poetry in the South, along with more enjoyment of reading.
- More “non-traditional” formats in North (newspapers, magazines).