



LaNA 2023 Linking Study Infographic Presentation



LaNA – What is it

IEA's Literacy and Numeracy Assessment (LaNA): an international assessment designed to measure emerging reading and mathematics skills at the primary school level, specifically targeting low- and middle-income countries.

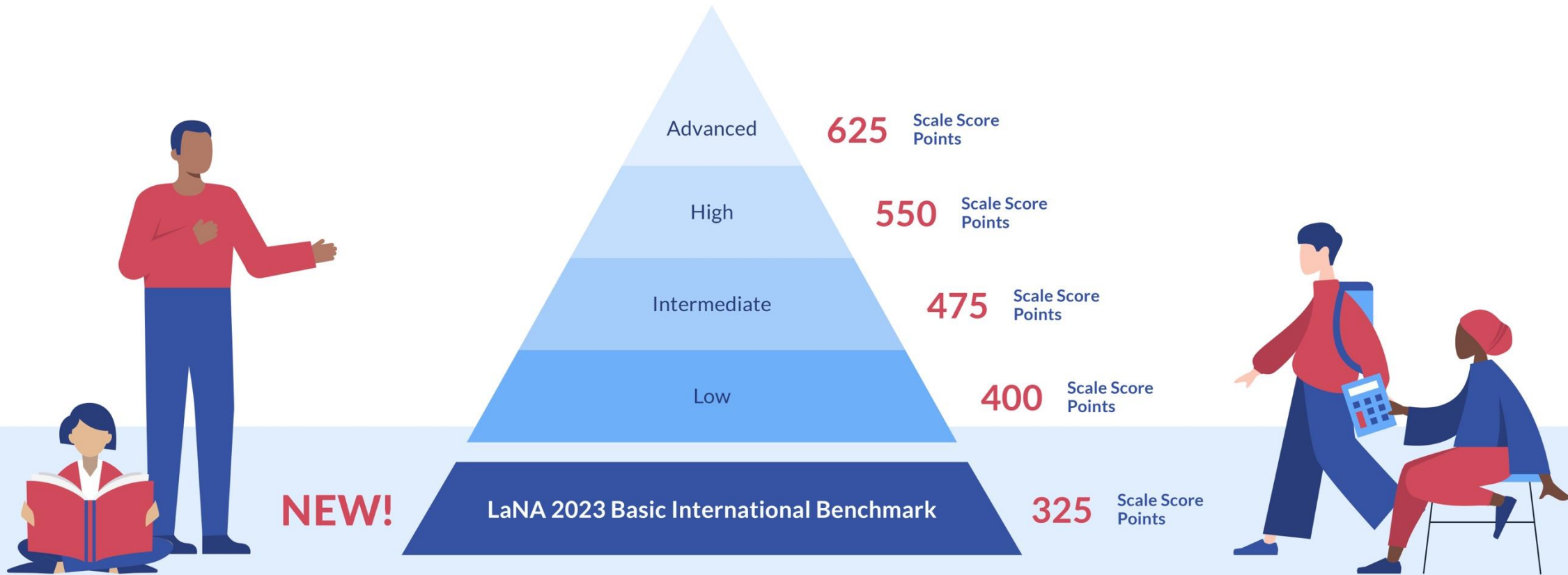
Offering the flexibility of being conducted off-cycle, LaNA connects student performance to the internationally recognized TIMSS and PIRLS achievement benchmarks. These benchmarks are acknowledged by UNESCO as contributing to the monitoring of progress toward the United Nations' Sustainable Development Goal (SDG) 4.1.1b.



LaNA 2023 Linking Study – What is it

The LaNA 2023 Linking Study was conducted in six participating countries and established new basic international benchmarks for mathematics and reading on the TIMSS and PIRLS scales.

TIMSS & PIRLS International Benchmarks



LaNA 2023 Linking Study – Participants Overview

Rooted in the comprehensive assessment frameworks of TIMSS and PIRLS, IEA's LaNA is designed for low- and middle-income countries with the aim of producing national data to monitor emerging reading and mathematics goals.

LaNA 2023 collected high-quality data from:



More than

30,000

students



More than

900

schools



In

6

countries

Burkina Faso
Egypt
Nigeria
Pakistan
Palestinian National Authority
Senegal

Mathematics Scale Score Distributions

Palestinian Nat'l Auth.

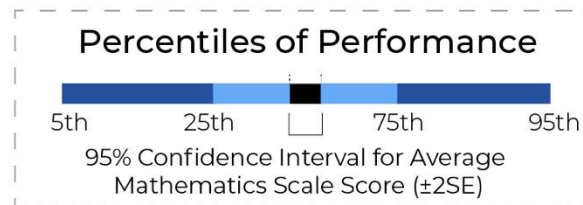
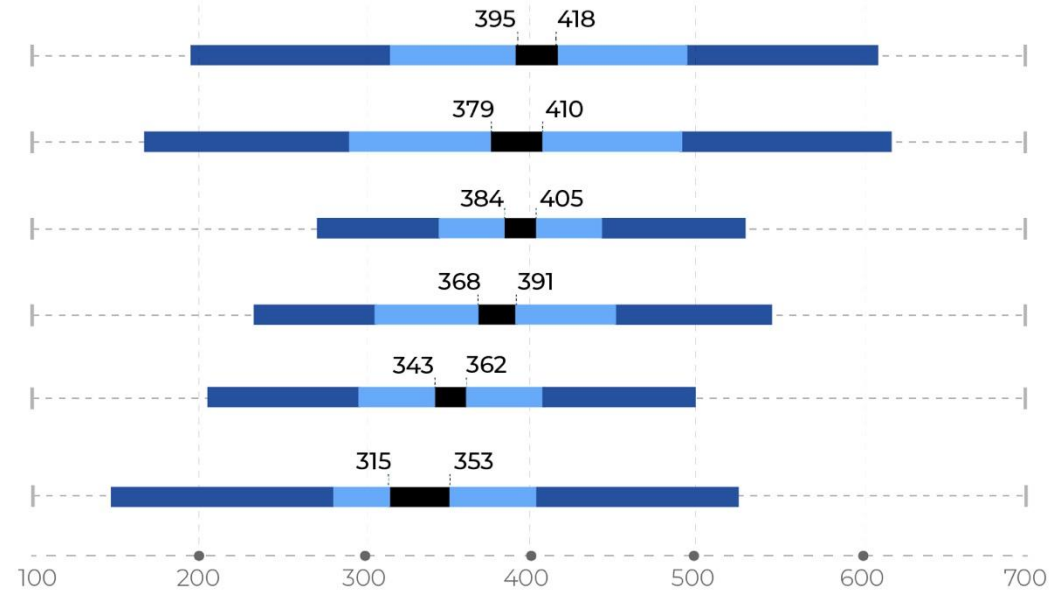
Egypt

Burkina Faso

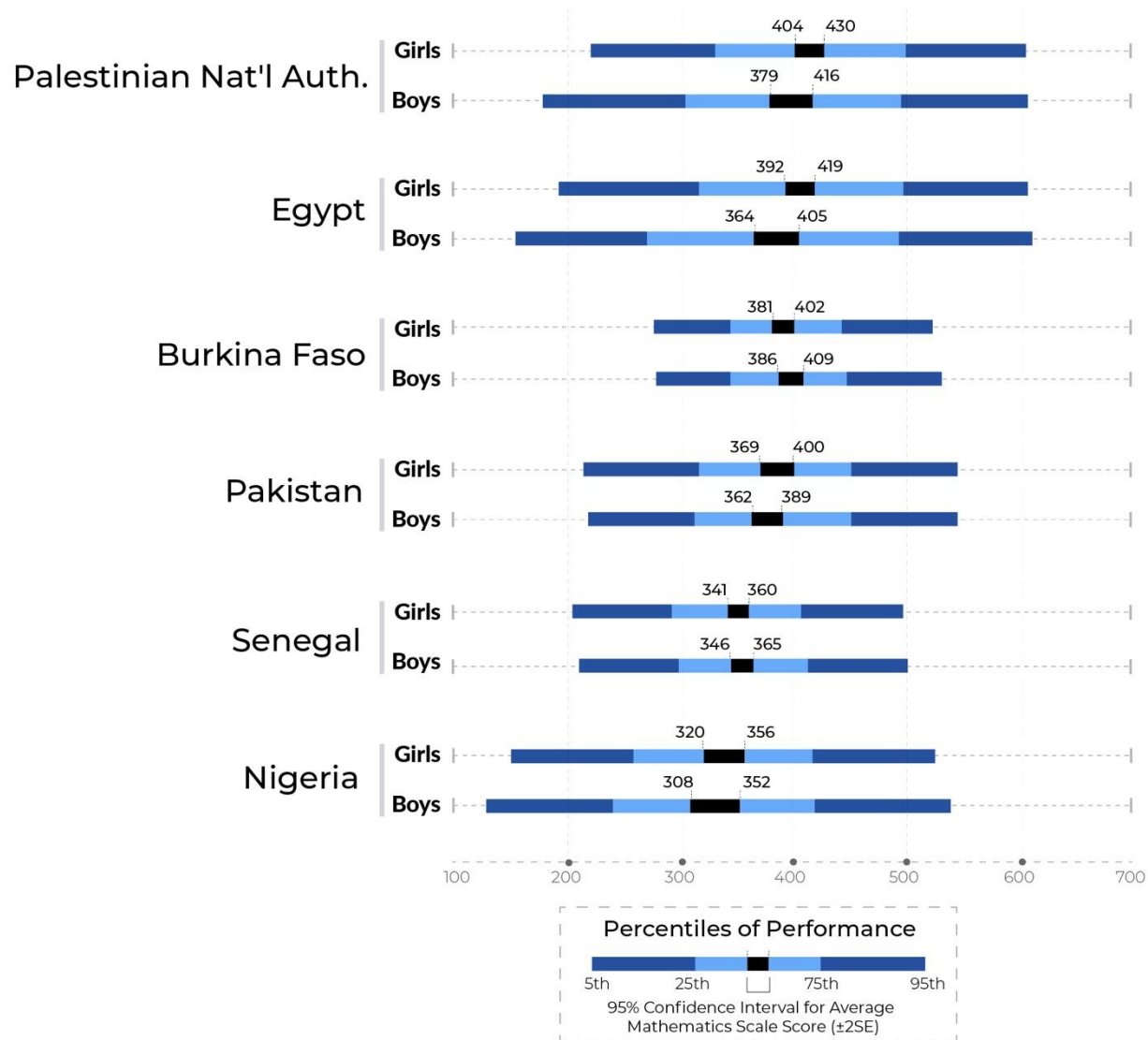
Pakistan

Senegal

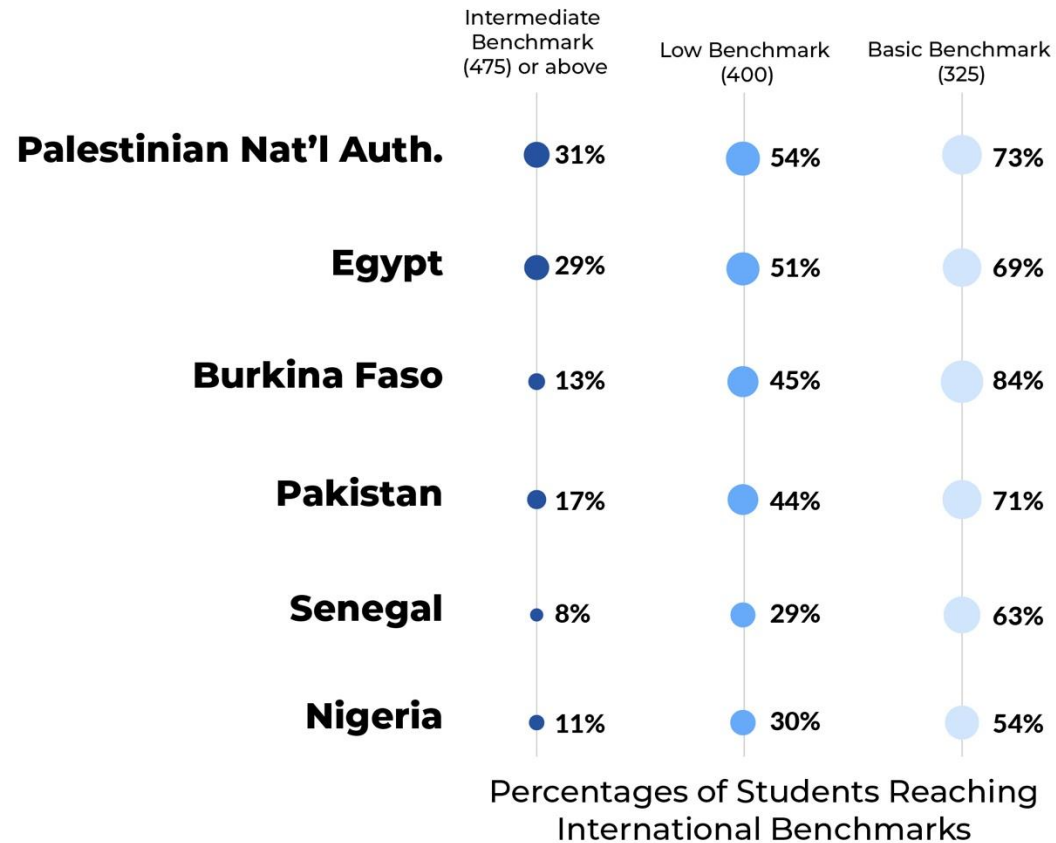
Nigeria



Mathematics Achievement Scale Score Distributions for Girls and Boys

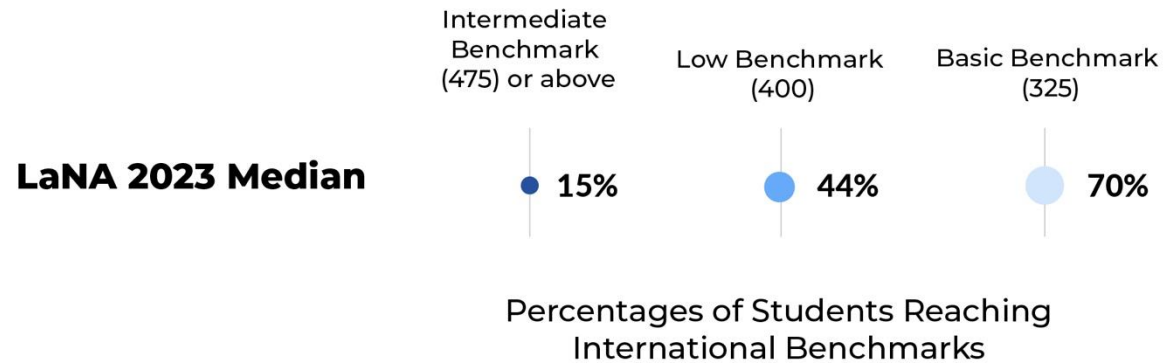


Percentages of Students Reaching International Benchmarks of Mathematics Achievement



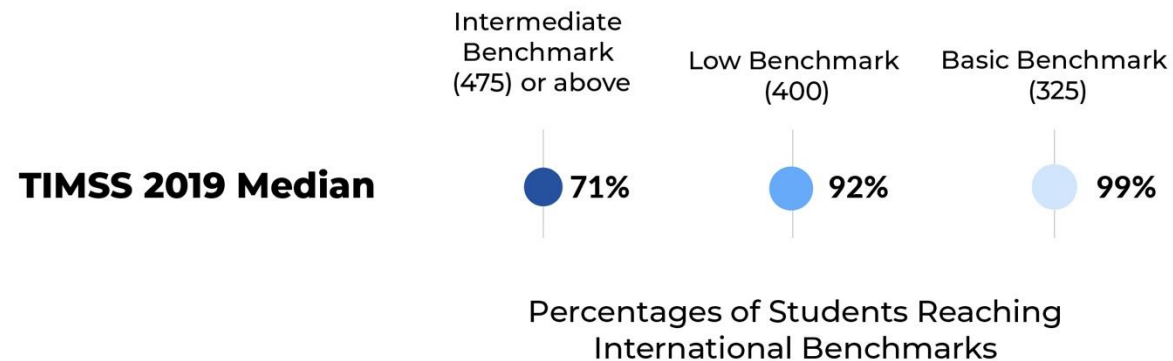


Percentages of Students Reaching International Benchmarks of Mathematics Achievement





Percentages of Students Reaching International Benchmarks of Mathematics Achievement – TIMSS 2019



Reading Scale Score Distributions

Palestinian Nat'l Auth.

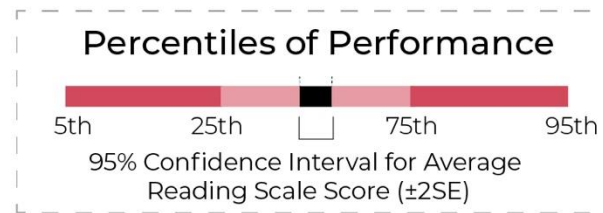
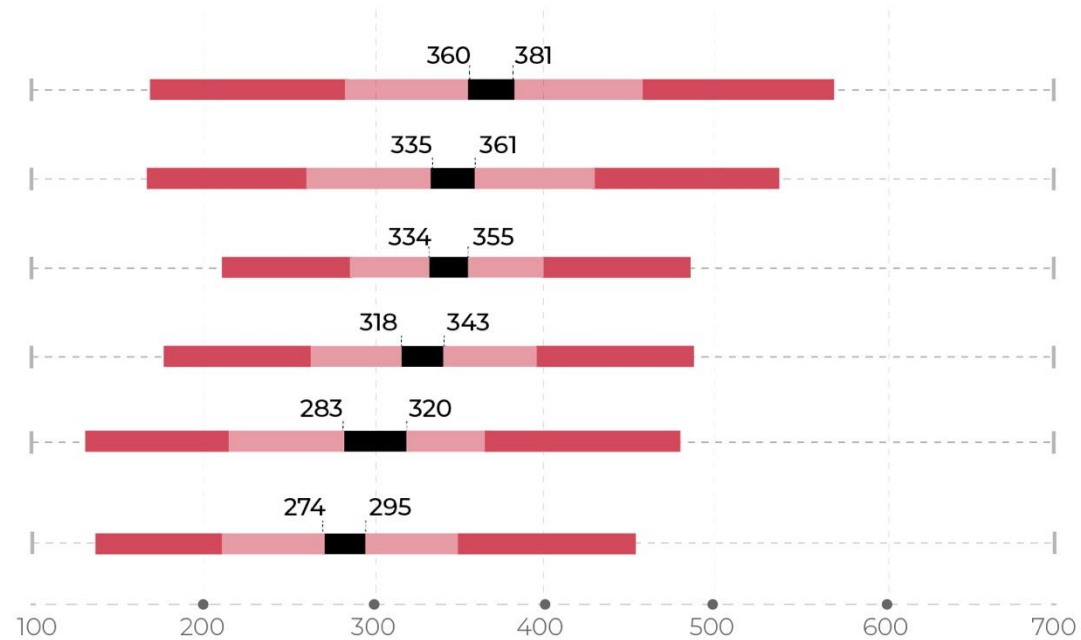
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Burkina Faso

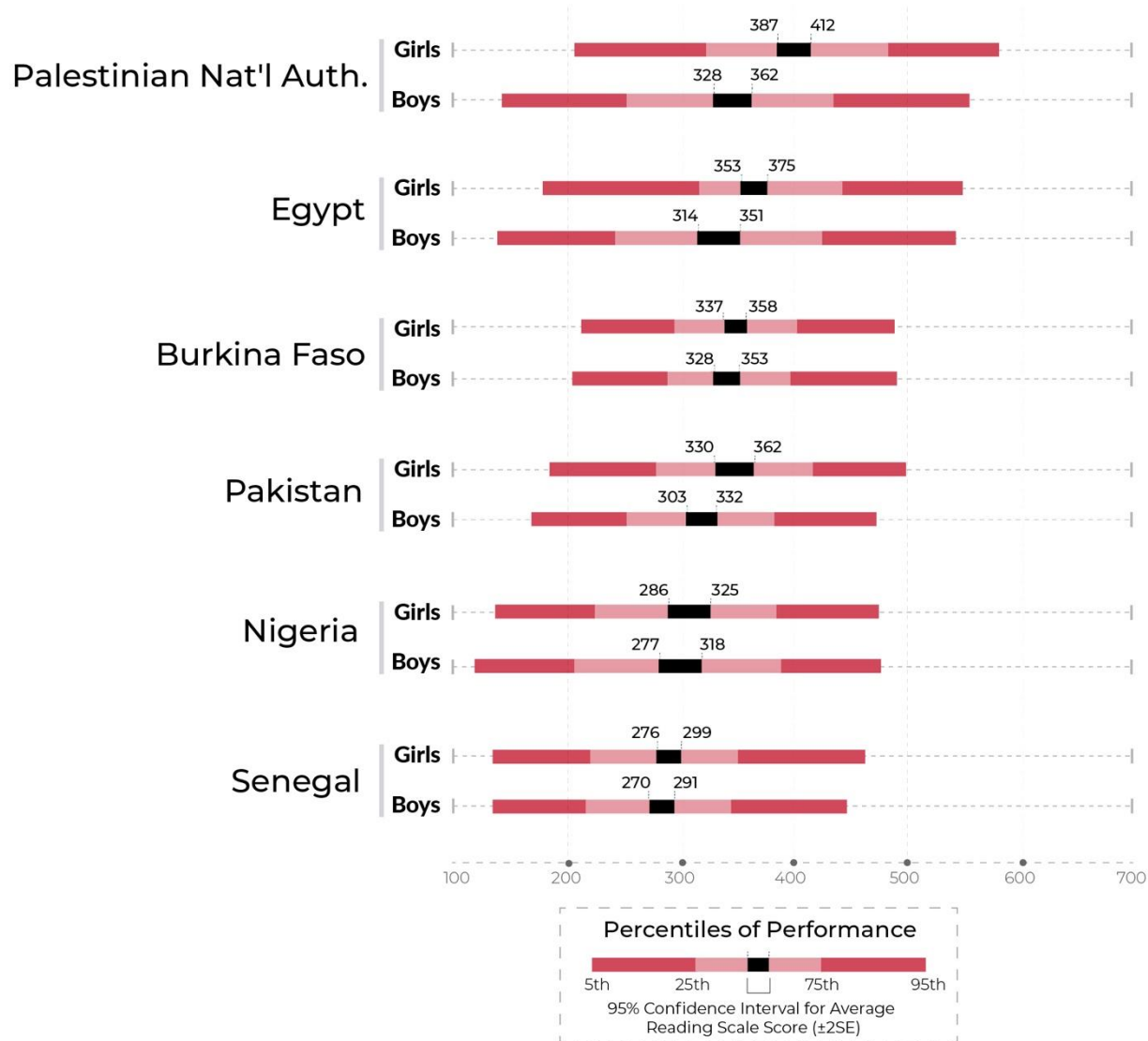
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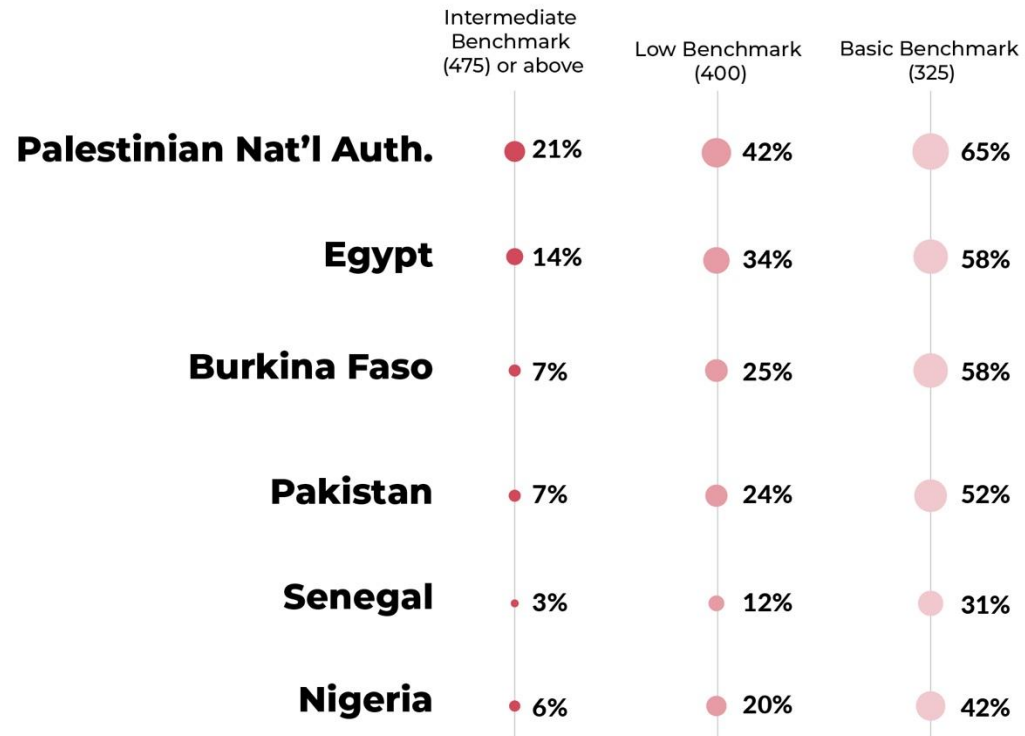
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Reading Achievement Scale Score Distributions for Girls and Boys



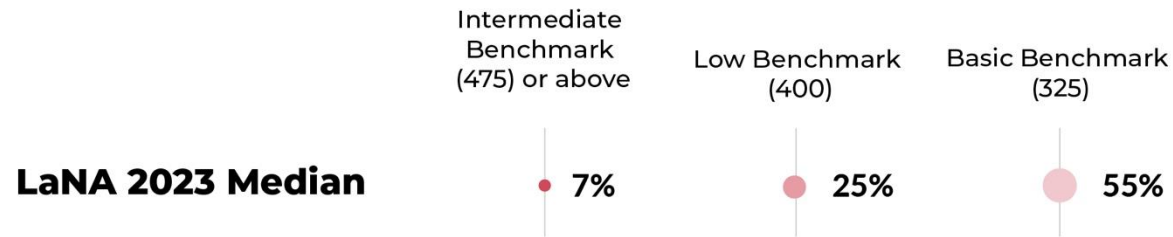
Percentages of Students Reaching International Benchmarks of Reading Achievement



Percentages of Students Reaching International Benchmarks



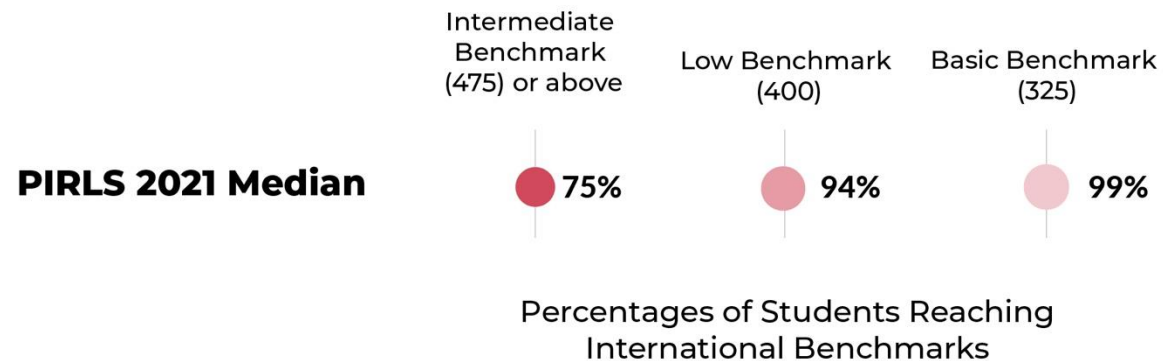
Percentages of Students Reaching International Benchmarks of Reading Achievement



Percentages of Students Reaching International Benchmarks

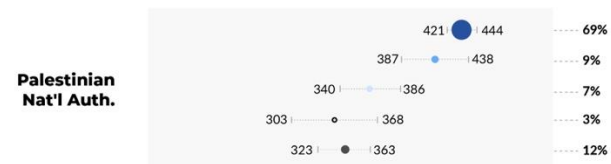
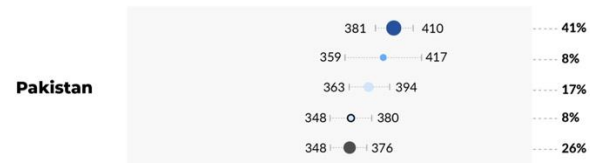
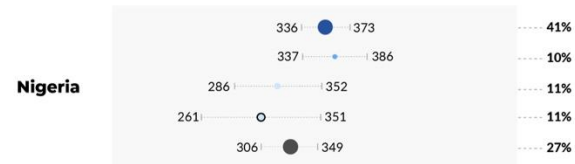
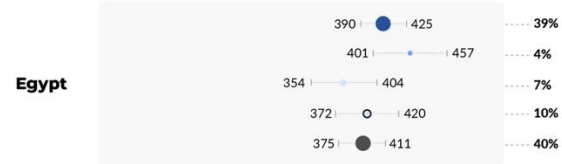
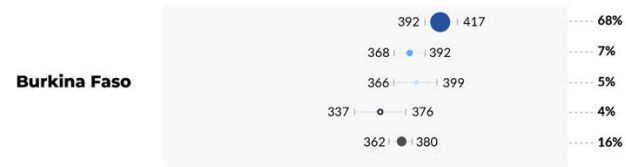


Percentages of Students Reaching International Benchmarks of Reading Achievement – PIRLS 2021



Frequency of Student Absences – Mathematics

● Never or Almost Never
 ● Once Every Two Months
 ● Once a Month
 ● Once Every Two Weeks
 ● Once a Week



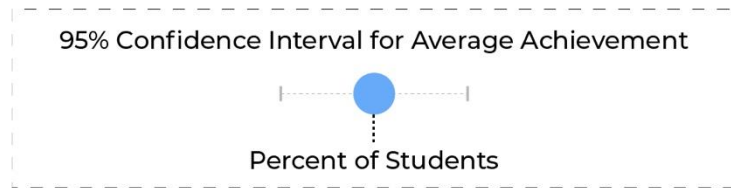
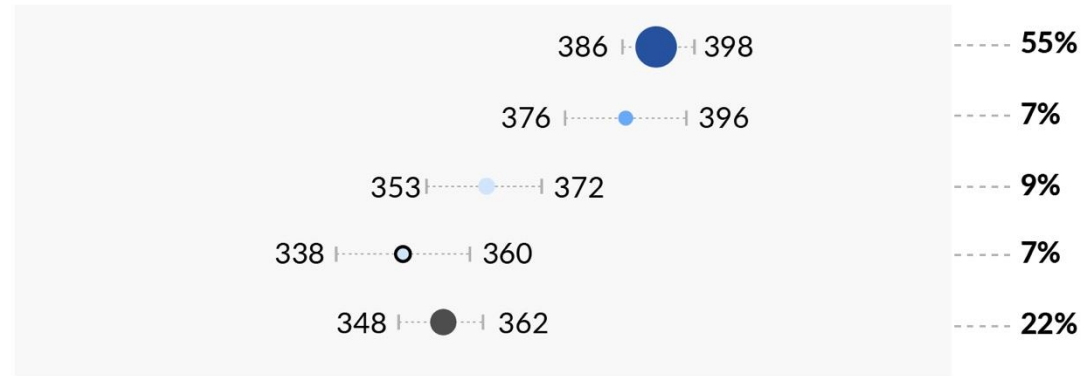
95% Confidence Interval for Average Achievement

Percent of Students

Frequency of Student Absences – Mathematics

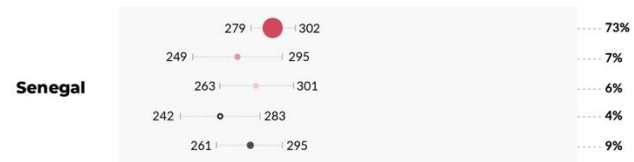
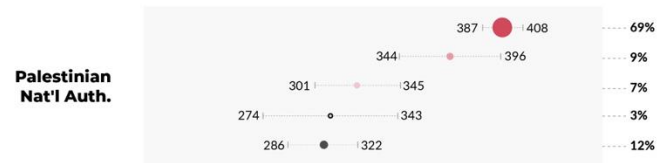
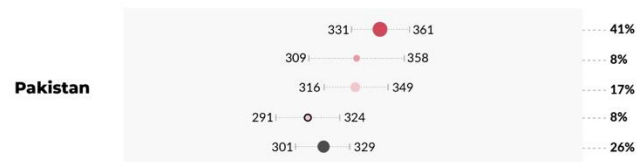
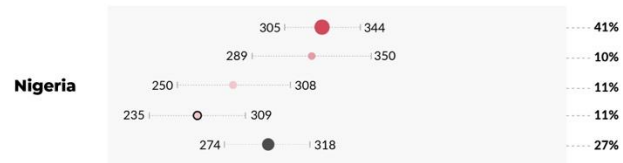
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LaNA Average



Frequency of Student Absences – Reading

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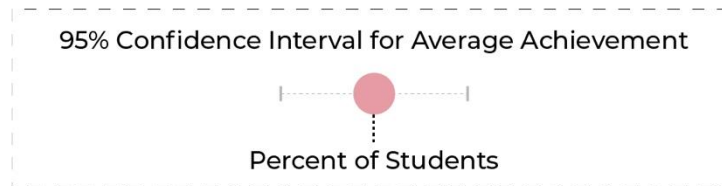
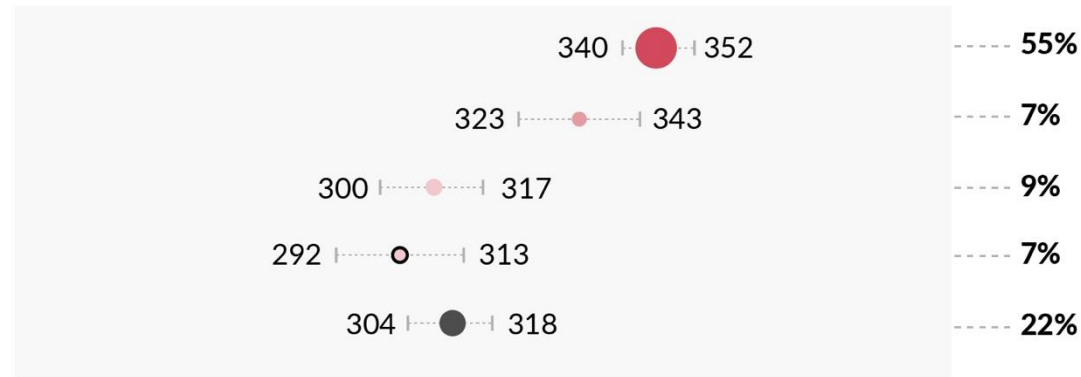
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Percent of Students

Frequency of Student Absences – Reading

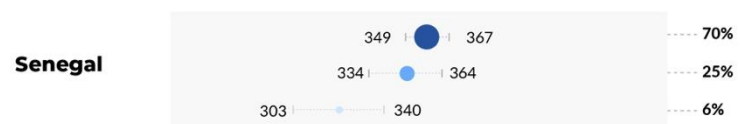
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LaNA Average



Students' Sense of School Belonging – Mathematics

● High Sense of School Belonging ● Some Sense of School Belonging ● Little Sense of School Belonging



95% Confidence Interval for Average Achievement

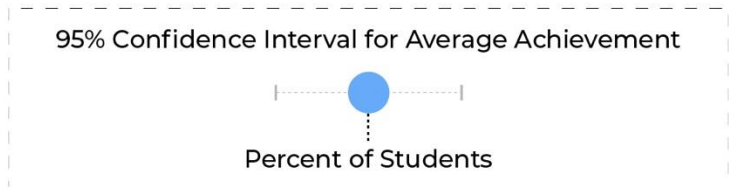
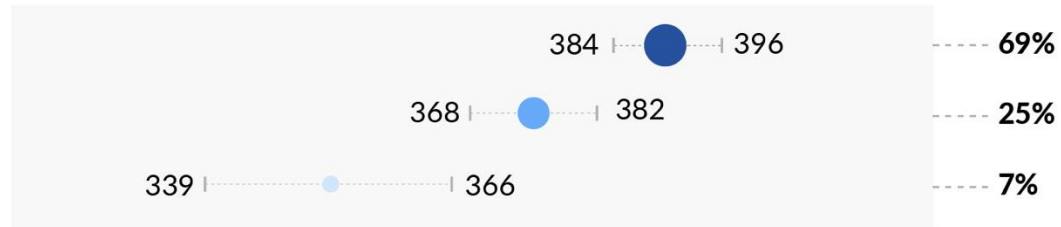
 Percent of Students



Students' Sense of School Belonging – Mathematics

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LaNA 2023 Average



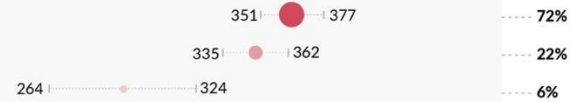
Students' Sense of School Belonging – Reading

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Burkina Faso



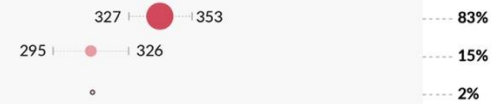
Egypt



Nigeria



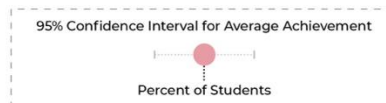
Pakistan



**Palestinian
Nat'l Auth.**



Senegal

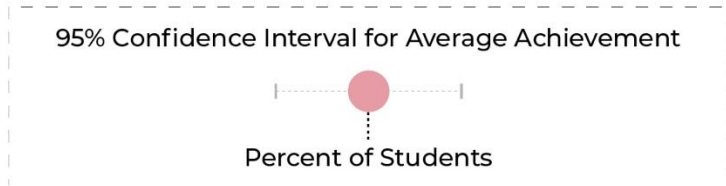
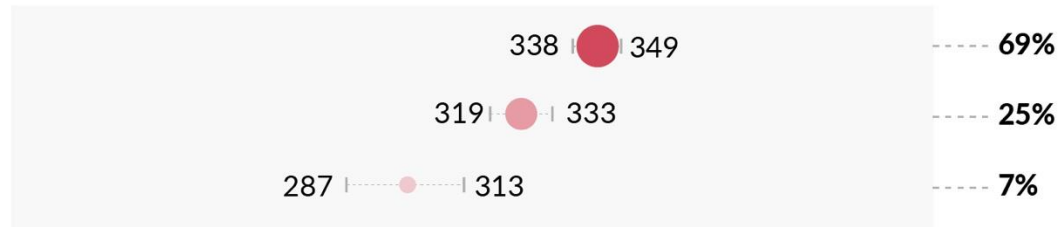




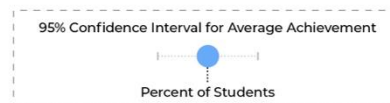
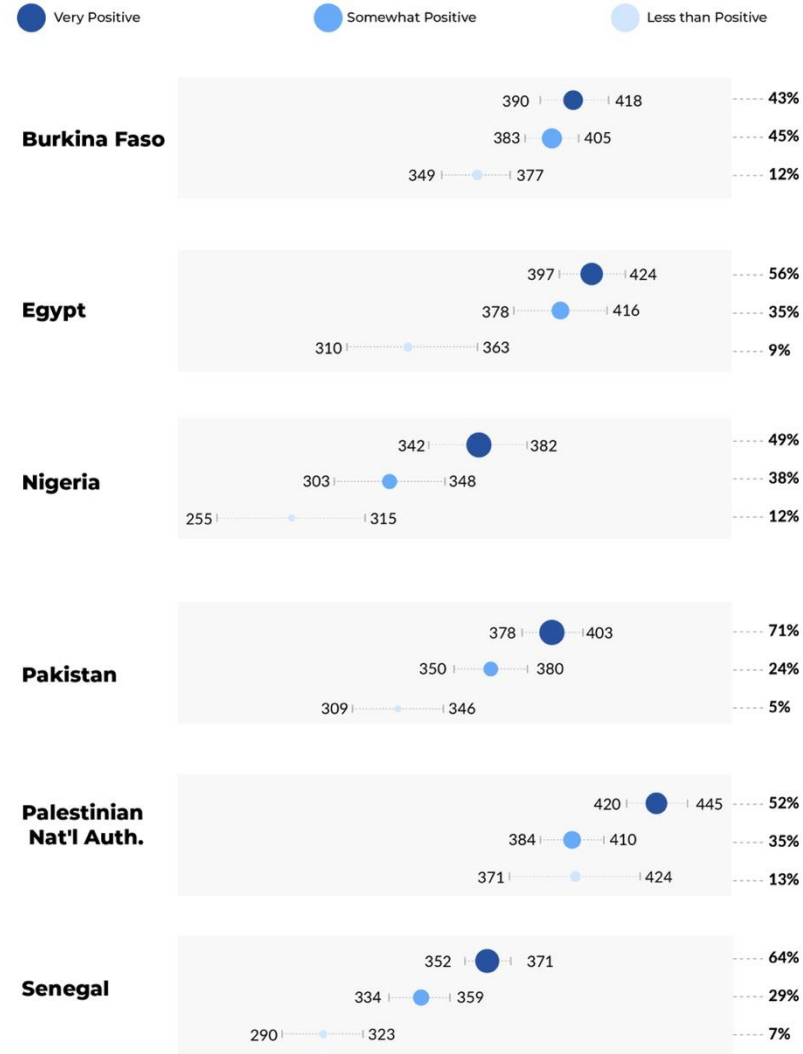
Students' Sense of School Belonging – Reading

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LaNA 2023 Average



Students' Attitudes Toward Reading and Mathematics – Mathematics

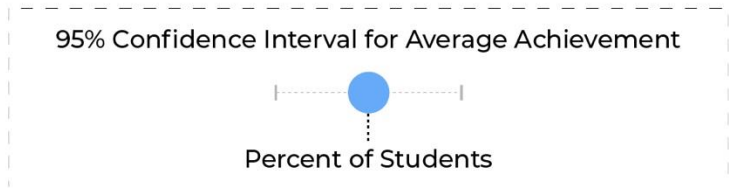
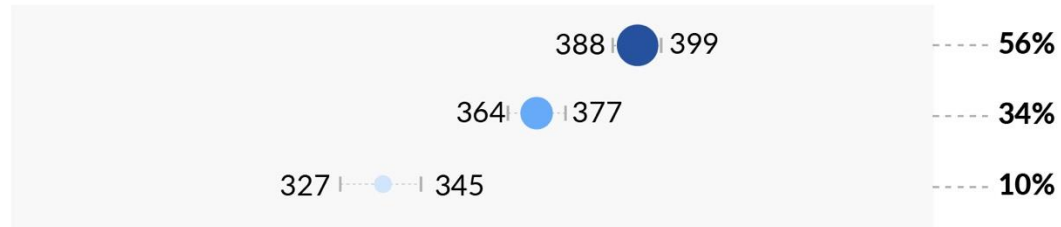




Students' Attitudes Toward Reading and Mathematics – Mathematics

Very Positive Somewhat Positive Less than Positive

LaNA 2023 Average



Students' Attitudes Toward Reading and Mathematics – Reading



95% Confidence Interval for Average Achievement
Percent of Students



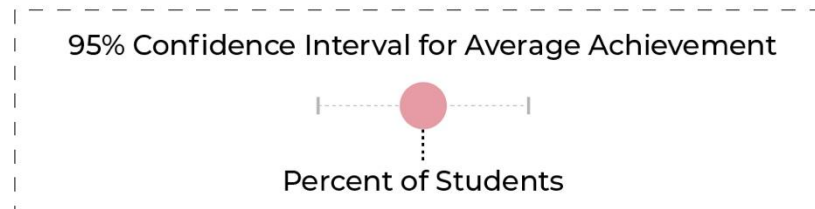
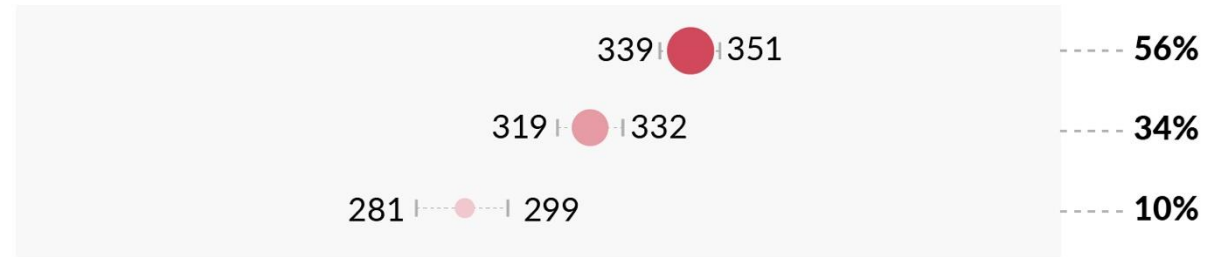
Students' Attitudes Toward Reading and Mathematics – Reading

Very Positive

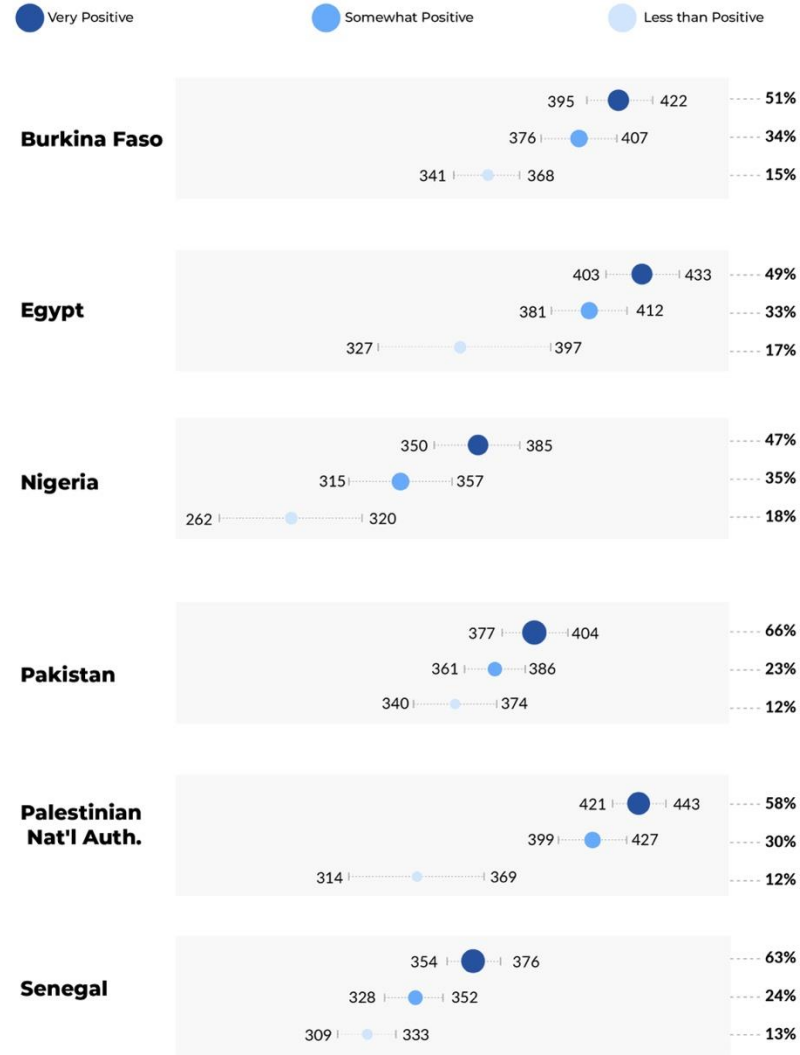
Somewhat Positive

Less than Positive

LaNA 2023 Average



Students' Perceptions of Instruction – Mathematics



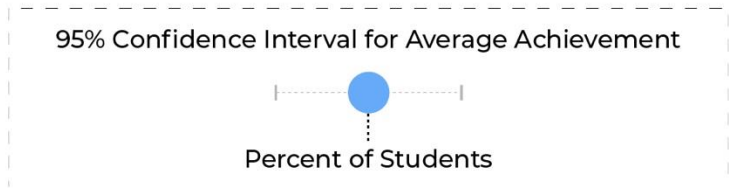
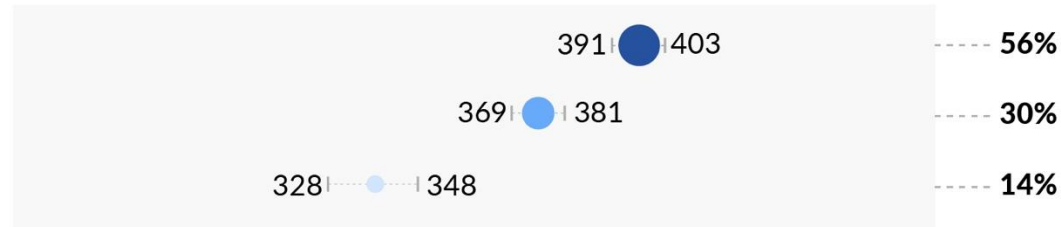
95% Confidence Interval for Average Achievement
Percent of Students



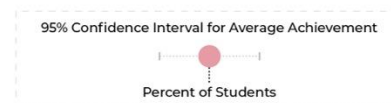
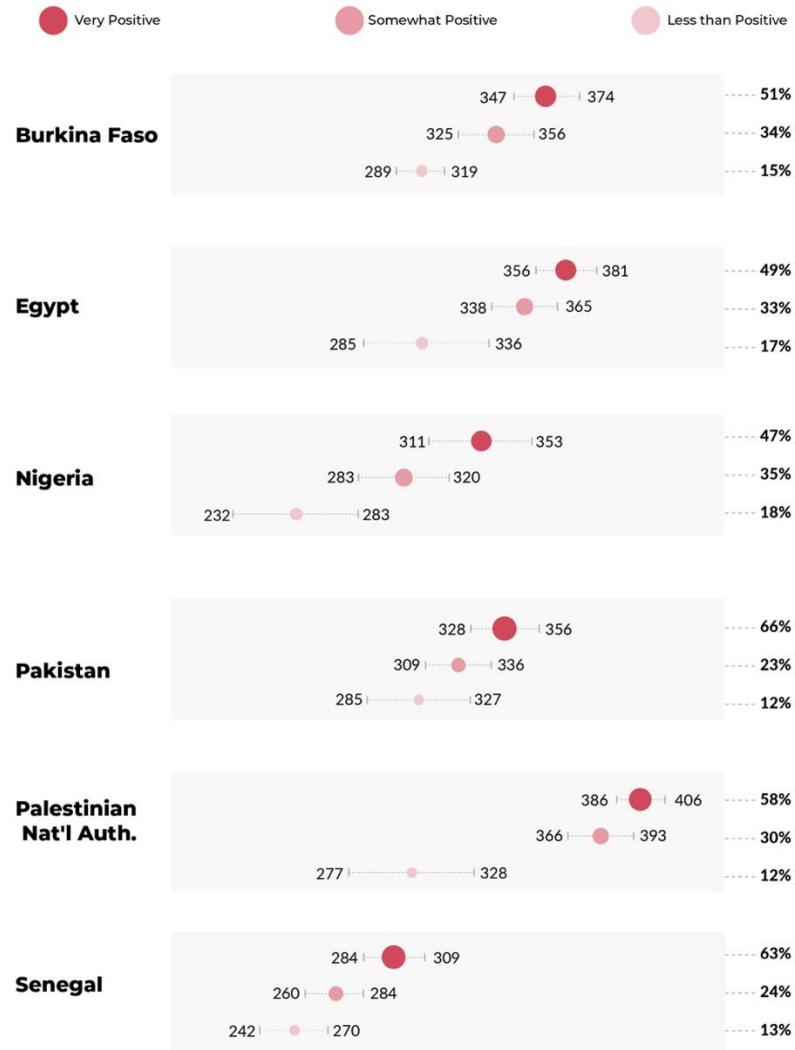
Students' Perceptions of Instruction – Mathematics

Very Positive Somewhat Positive Less than Positive

LaNA 2023 Average



Students' Perceptions of Instruction – Reading





Students' Perceptions of Instruction – Reading



Very Positive

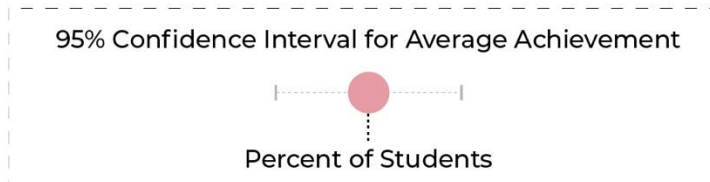


Somewhat Positive



Less than Positive

LaNA 2023 Average





To access the LaNA 2023 Linking Study Report with full findings, go to:

<https://www.iea.nl/publications/lana-linking-study-results>