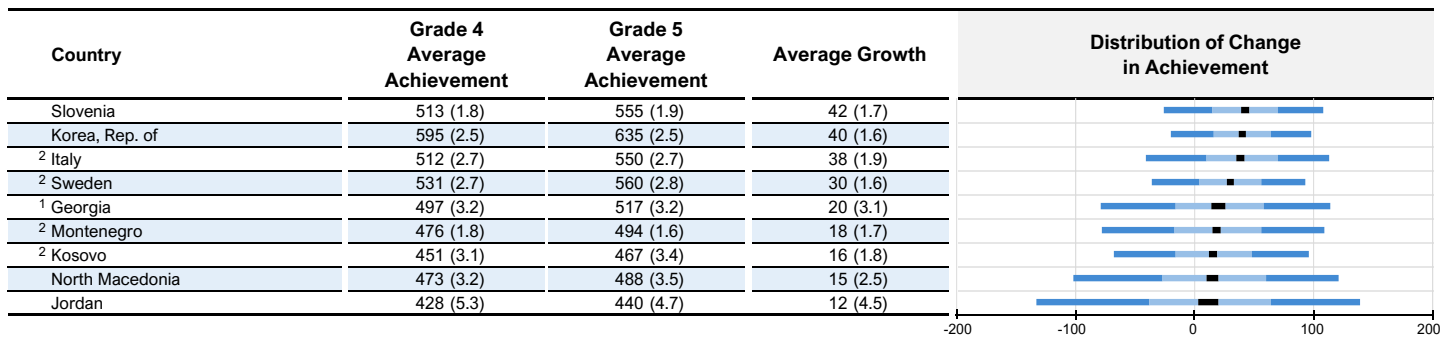
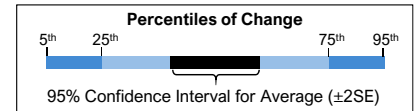


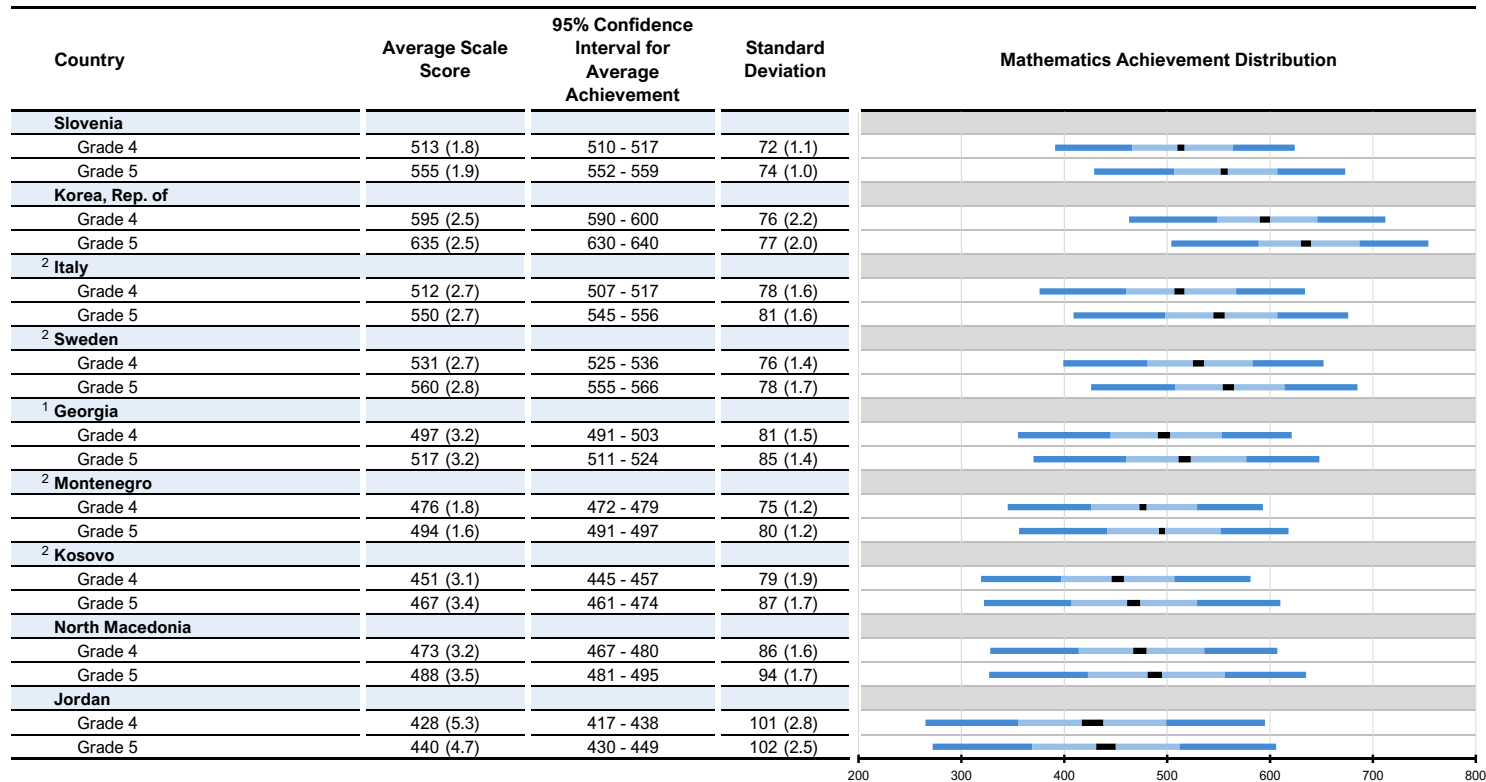
Exhibit 1.1.1a: Average Growth in Mathematics Achievement and Change Distributions


() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent. See Appendix A.2 for population coverage notes 1 and 2.

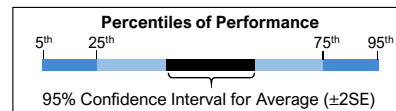


SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2023 Longitudinal
 Downloaded from: <https://timss2023.org/longitudinal/results>

Exhibit 1.1.1b: Average Mathematics Achievement and Scale Score Distributions



() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent. See Appendix A.2 for population coverage notes 1 and 2.



SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2023 Longitudinal
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