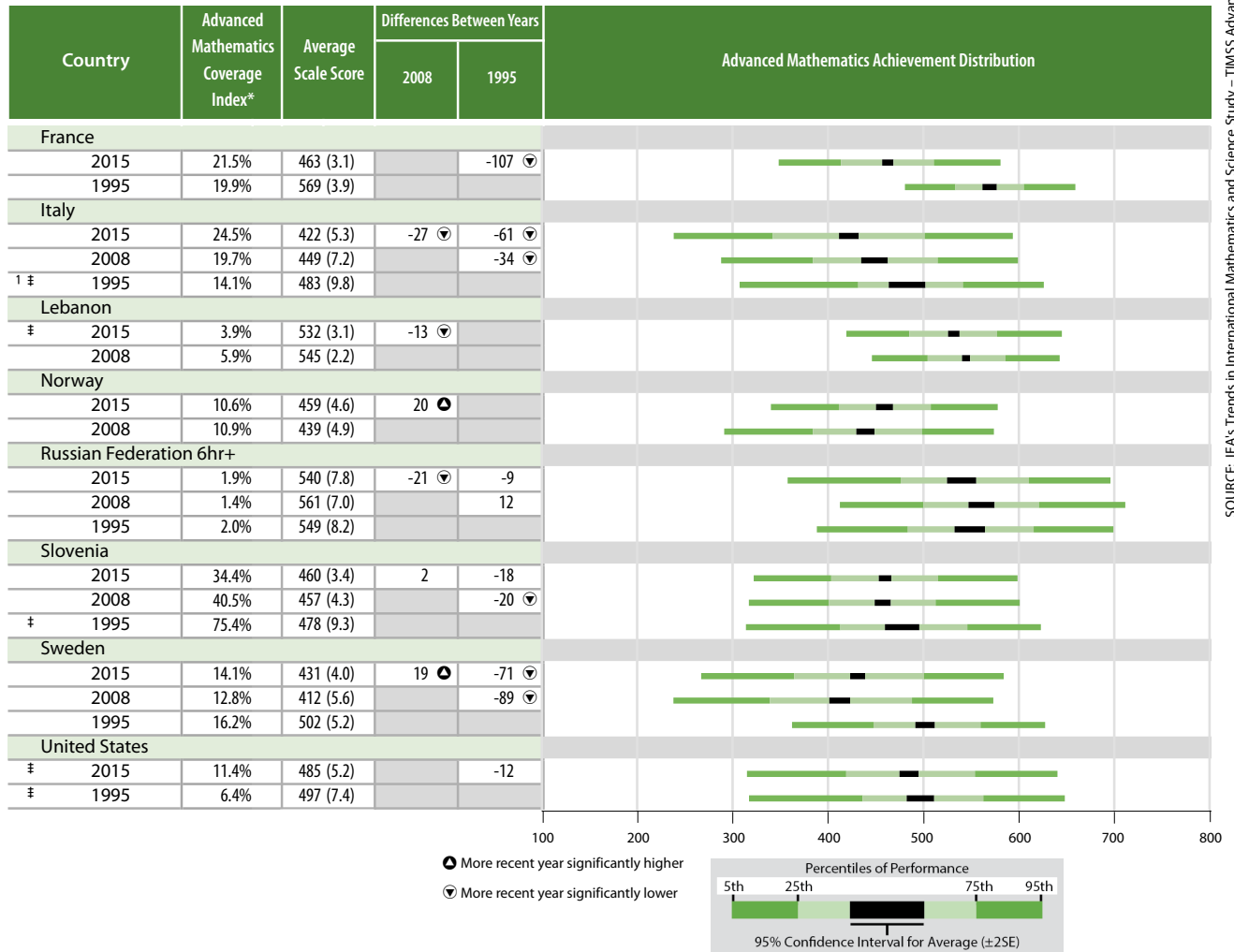


**Exhibit M1.4: Differences in Advanced Mathematics Achievement Across Assessment Years**

Instructions: Read across the row to determine if the performance in the row year is significantly higher (▲) or significantly lower (▼) than the performance in the column year.



SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS Advanced 2015

\* See Appendix MC.2 for a description of the Advanced Mathematics Coverage Index.

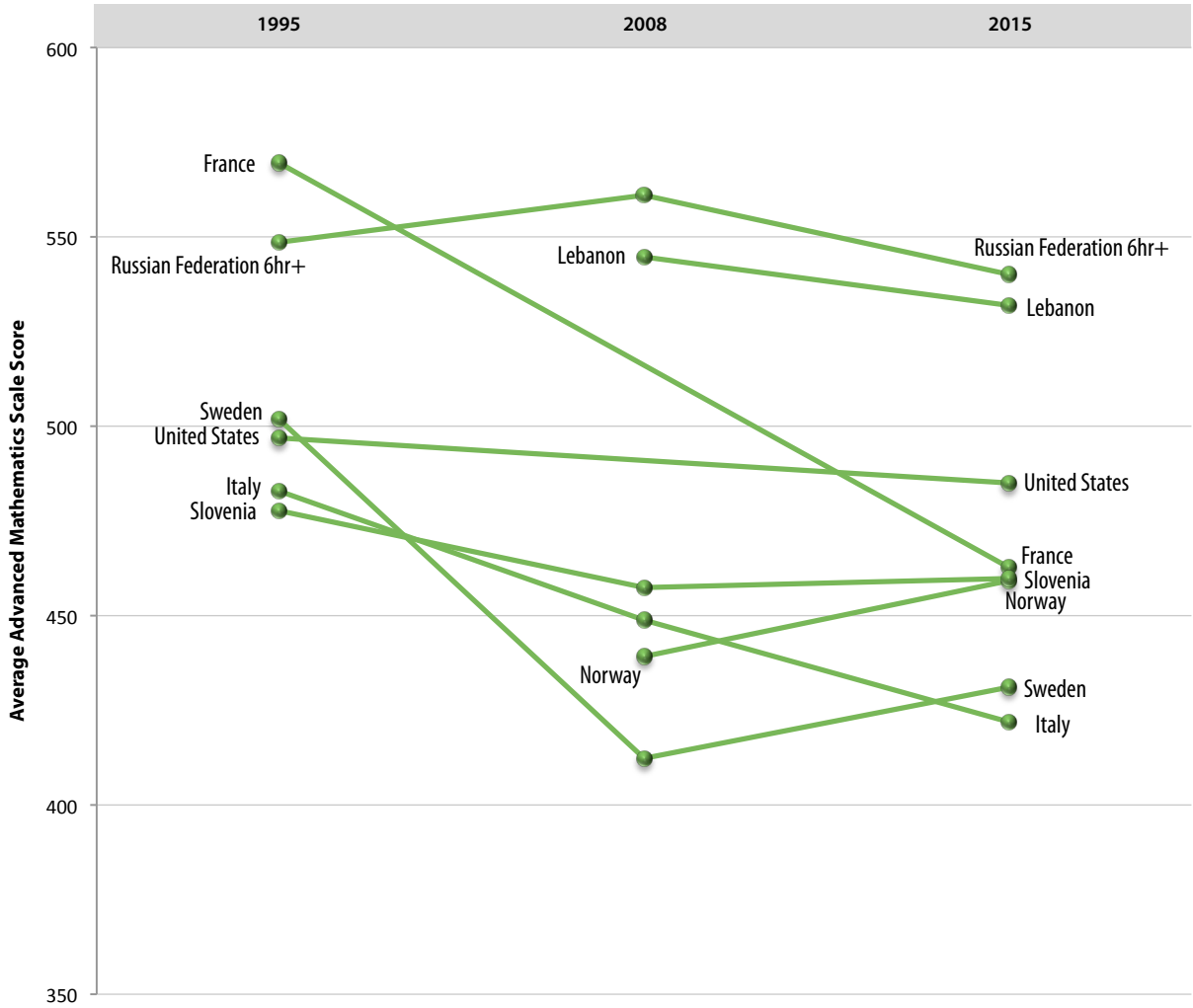
Russian Federation trend results are available only for the Intensive stream students (6hr+). The United States adjusted the 1995 sample to correspond with the course-taking definitions used in 2015, and the 1995 results were recomputed.

See Appendix MC.1 for target population coverage notes 1, 2, and 3.

See Appendix MC.5 for sampling guidelines and sampling participation notes †, ‡, and §.

( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**Exhibit M1.4: Differences in Advanced Mathematics Achievement Across Assessment Years (Continued)**



SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS Advanced 2015

Russian Federation trend results are available only for the Intensive stream students (6hr+). The United States adjusted the 1995 sample to correspond with the course-taking definitions used in 2015, and the 1995 results were recomputed.