



Näringslivets skolforum

SWEDISH ENTERPRISE SCHOOL FORUM

STEM test scores and economic growth

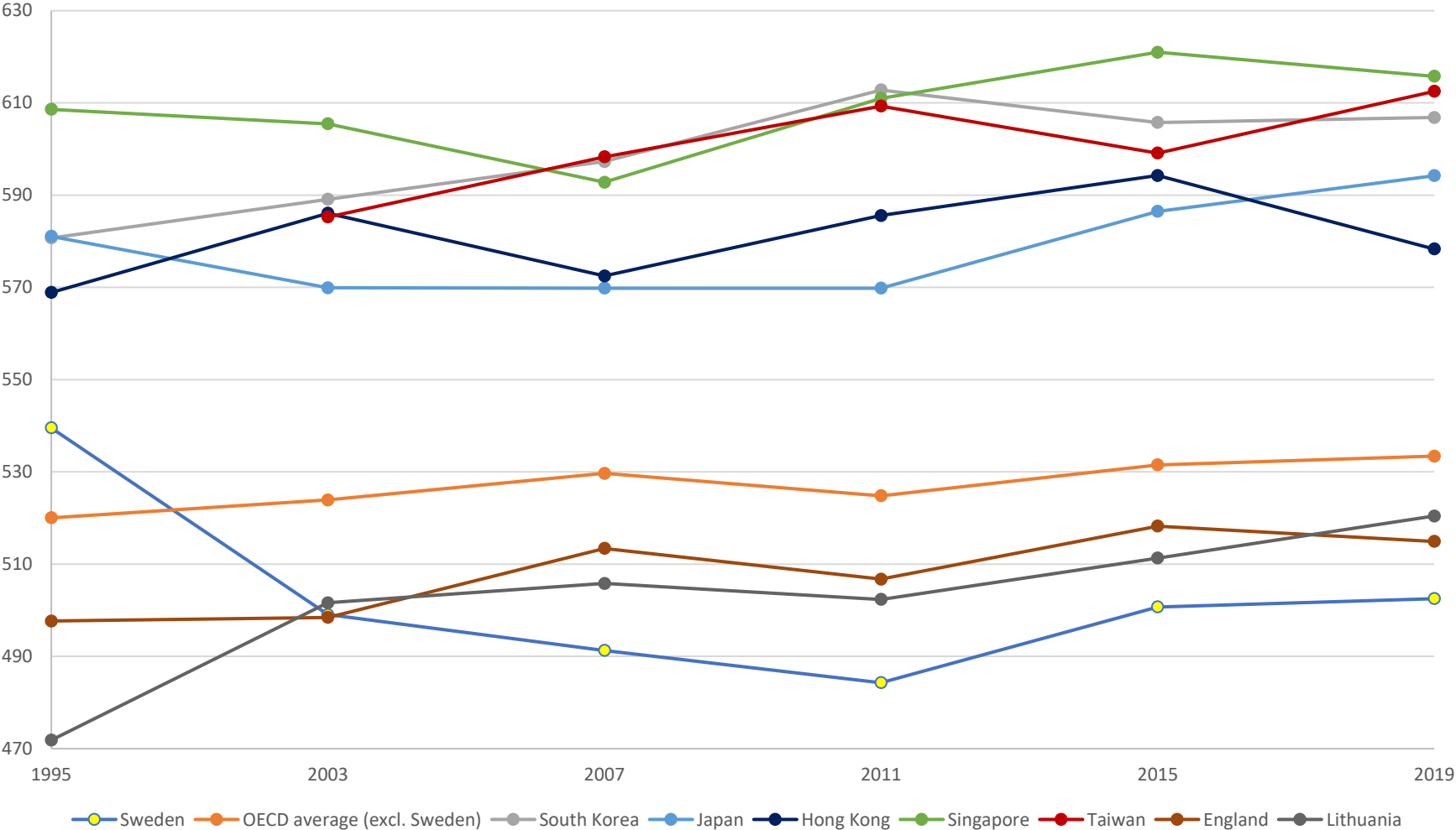
The relationship between international test scores in STEM subjects and per-capita GDP growth 1960–2016

Controls: (log) GDP per capita 1960 and years of schooling 1960



TIMSS (year 8) – mathematics

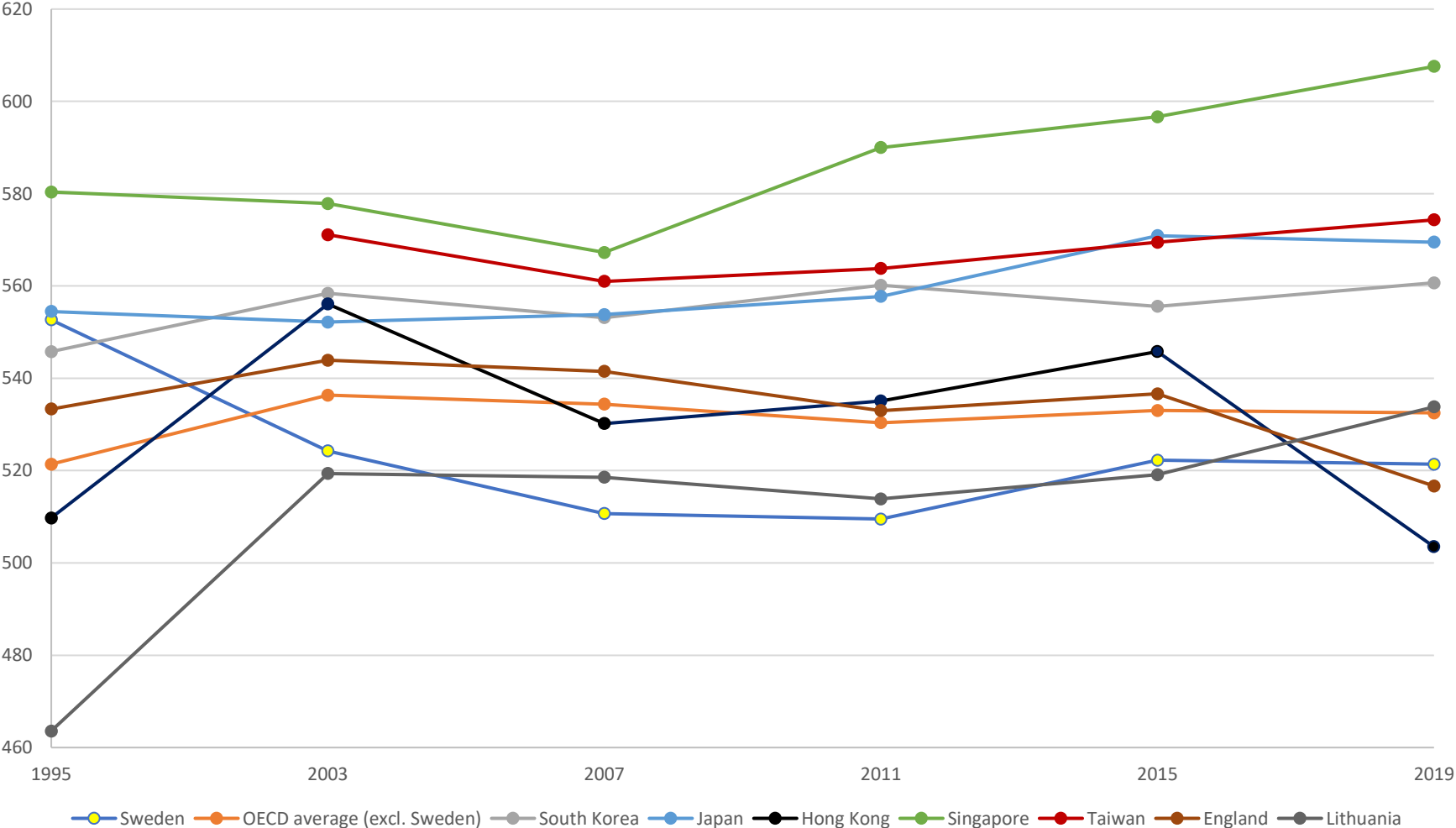
TIMSS scores over time
(Mathematics)



The OECD average is calculated from the performance of students in member countries, excluding Sweden, that have participated in all TIMSS rounds since 1995 (apart from 1999). These include Australia, England, Hungary, Japan, Lithuania, New Zealand, South Korea, and USA.

TIMSS (year 8) – science

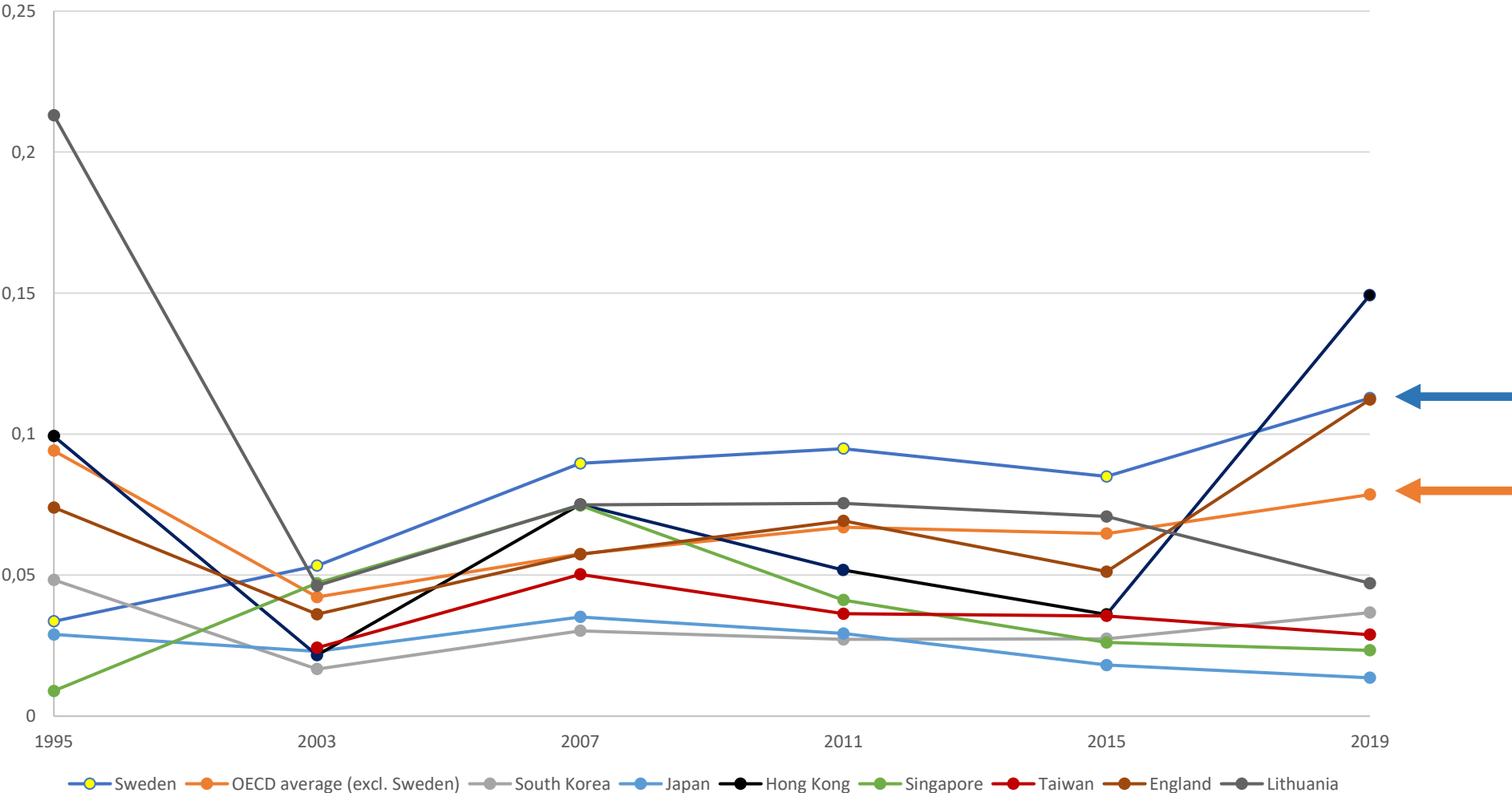
TIMSS scores over time
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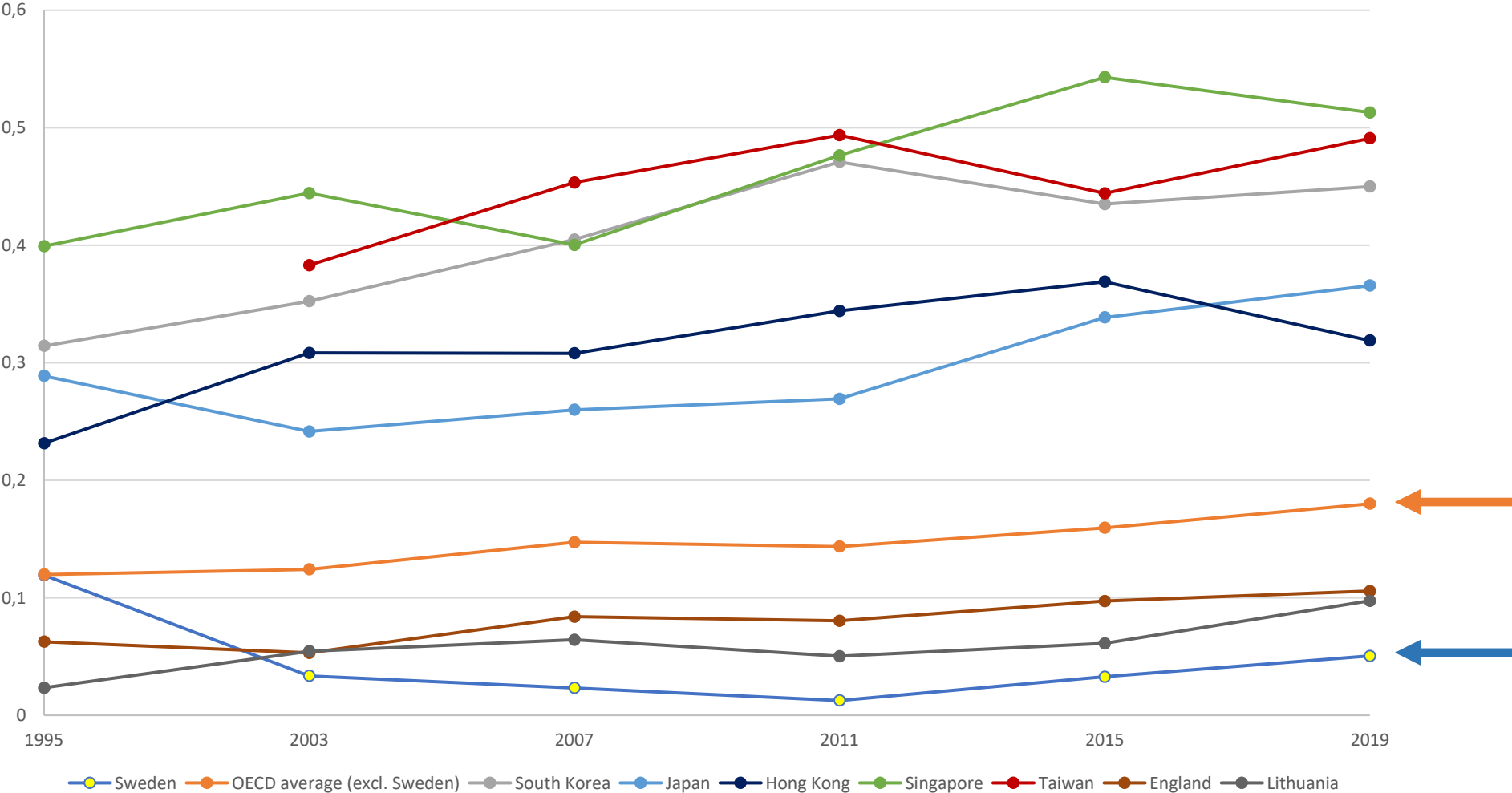
TIMSS (year 8) – share of low performers in math

The share of low-performing pupils in TIMSS over time
(Science)



TIMSS (year 8) – share of high performers in math

The share of high-performing pupils in TIMSS over time
(Mathematics)



I korthet

Svenska elever presterar inte tillräckligt bra i STEM.

Vi har en relativt stor grupp lågpresterande elever.

Andelen som presterar på avancerad nivå i matte har växt från 1,3 procent 2011 till drygt fem procent 2019...

...men i hela OECD är andelen drygt 11 procent.

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