

Some insights about VET from Large-Scale-Assessments?

ANNEX: Illustrations

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DECOWE CONFERENCE

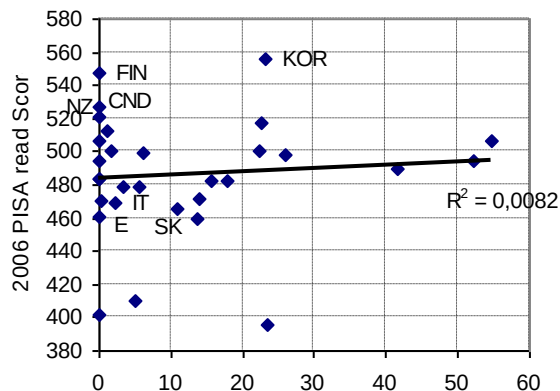
“Development of Competencies in the World of Work and Education”

Ljubljana (Slovenia), 24-26 September 2009

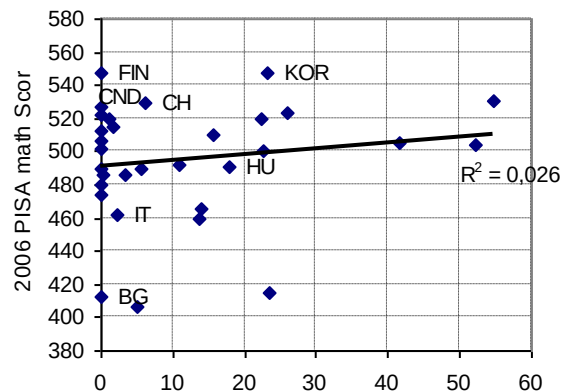
3.2. VET structures and achievement at upper secondary level

PISA 2006: %VET15 x Scores, Distribution

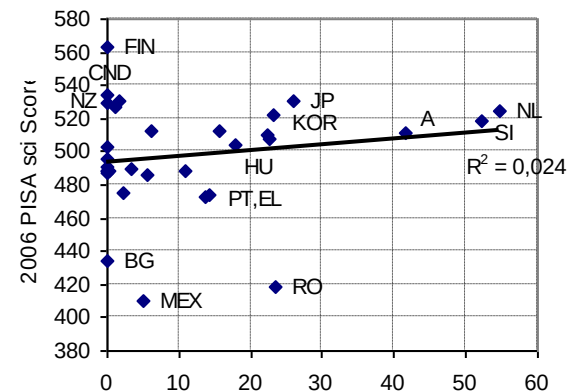
% access VET & LM age 15 x 2006 PISA read Score



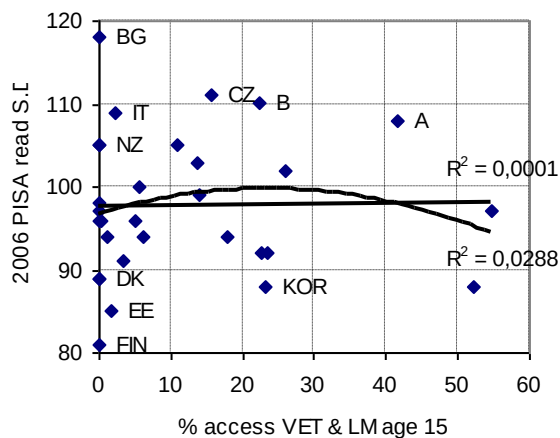
% access VET & LM age 15 x 2006 PISA math Score



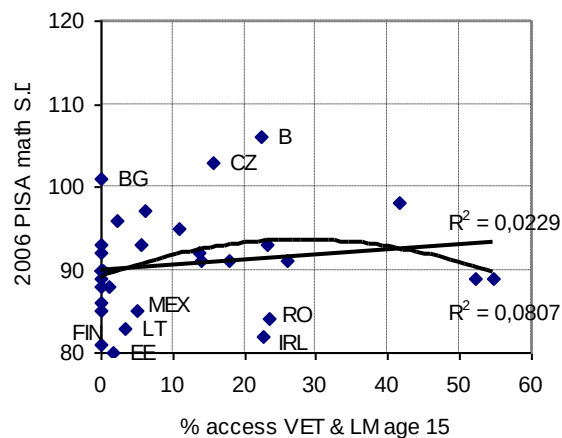
% access VET & LM age 15 x 2006 PISA sci Score



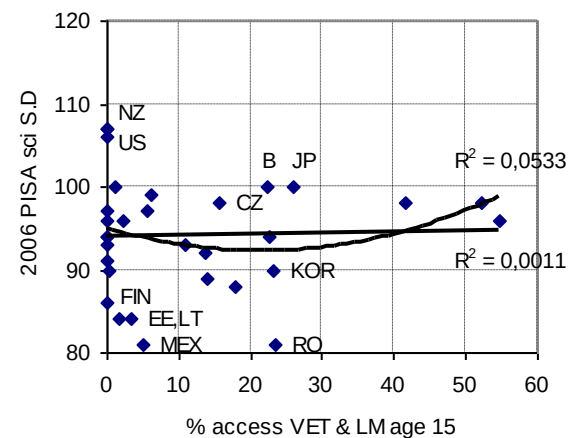
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% access VET & LM age 15 x 2006 PISA math S.D.

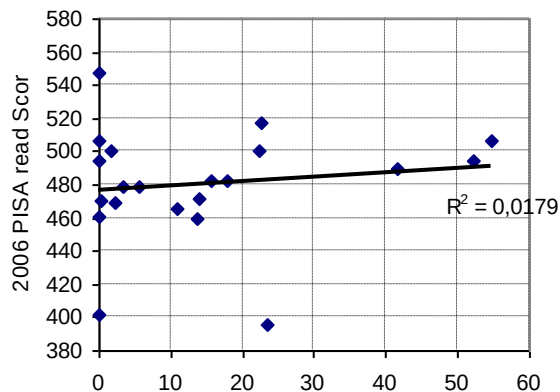


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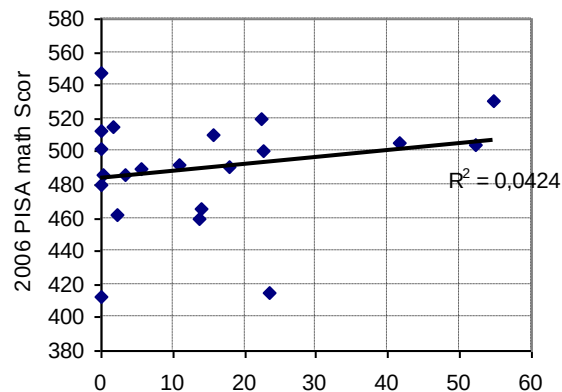


PISA 2006: %VET15 x Scores, Distribution, EU

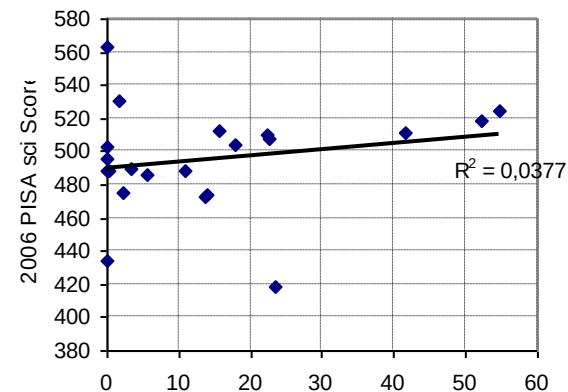
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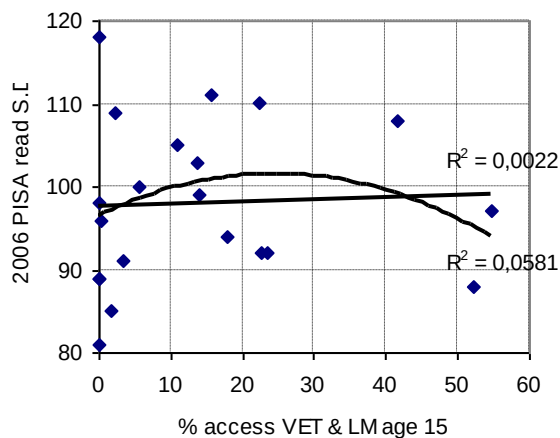
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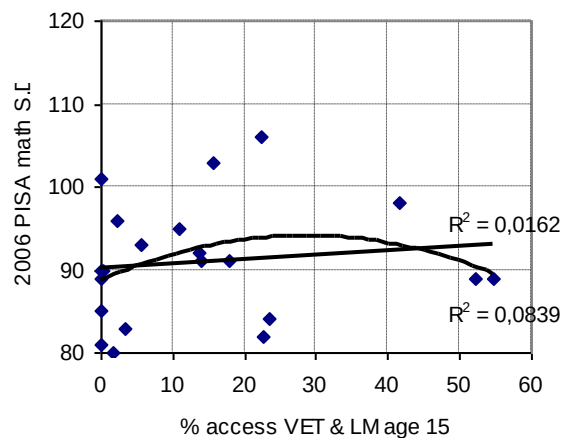
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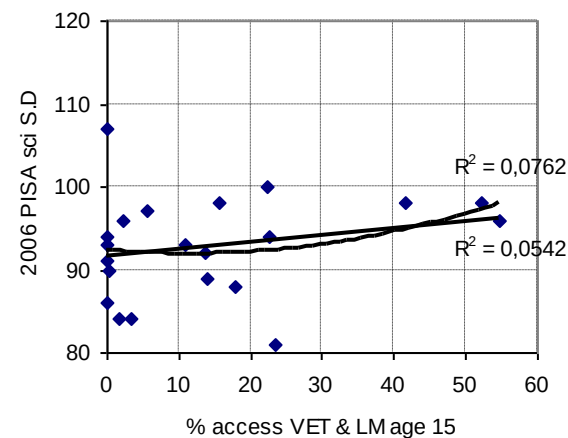
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% access VET & LM age 15 x 2006 PISA math S.D.

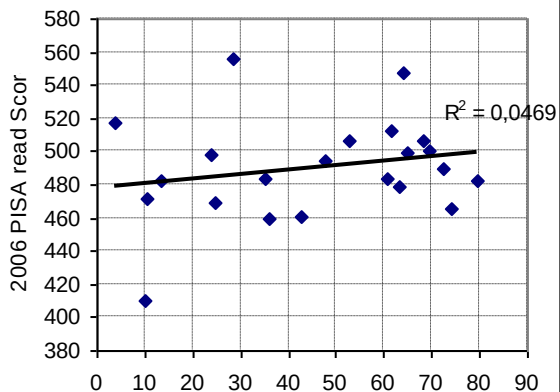


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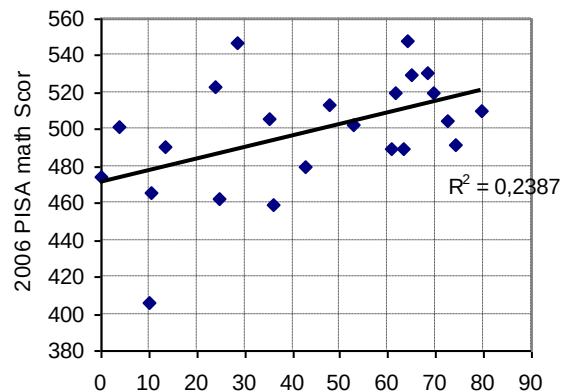


PISA/EAG 2006: %VETups x Scores, Distrib.

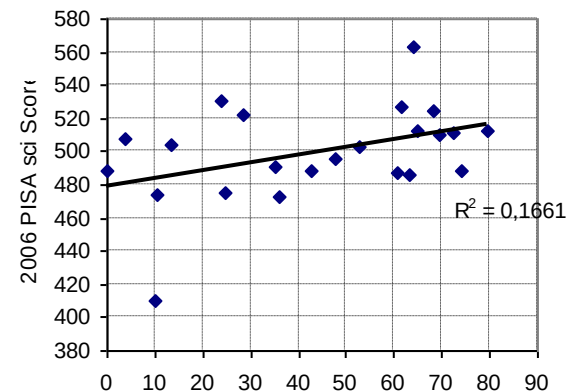
% VET at upper secondary level x 2006 PISA read Score



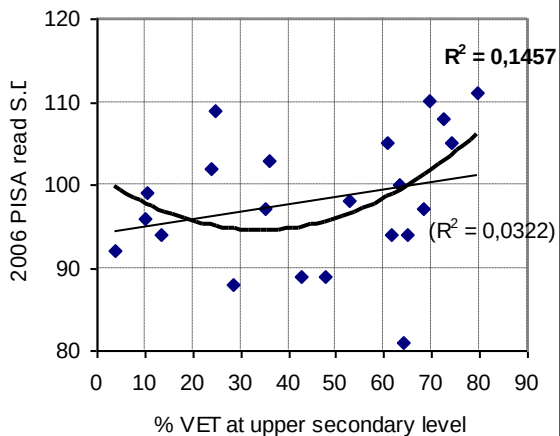
% VET at upper secondary level x 2006 PISA math Score



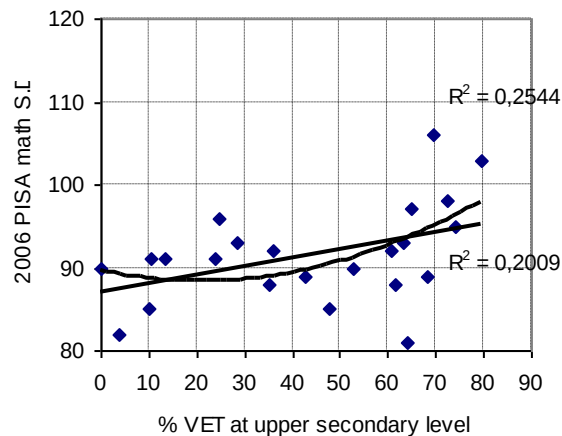
% VET at upper secondary level x 2006 PISA sci Score



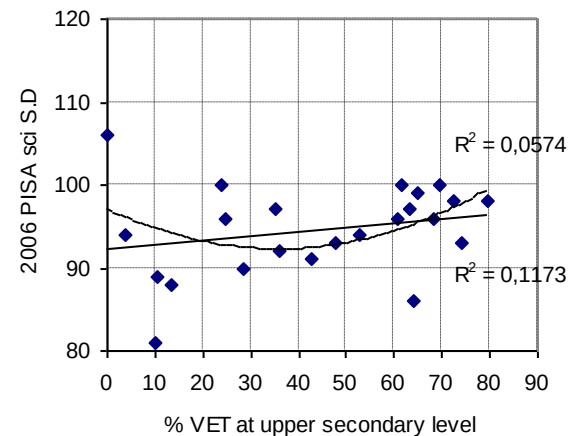
% VET at upper secondary level x 2006 PISA read S.D.



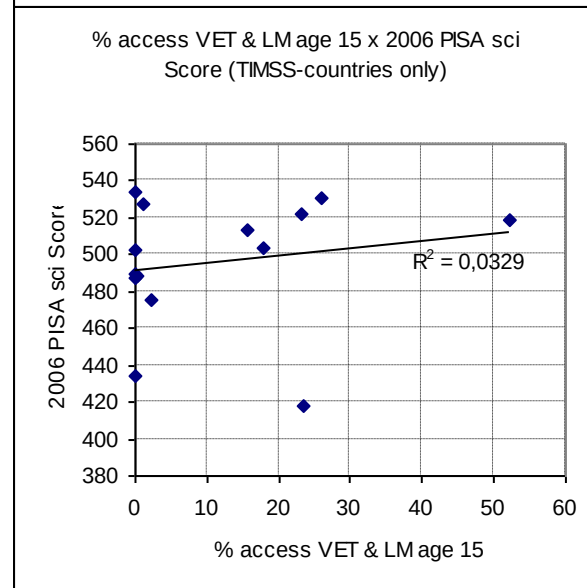
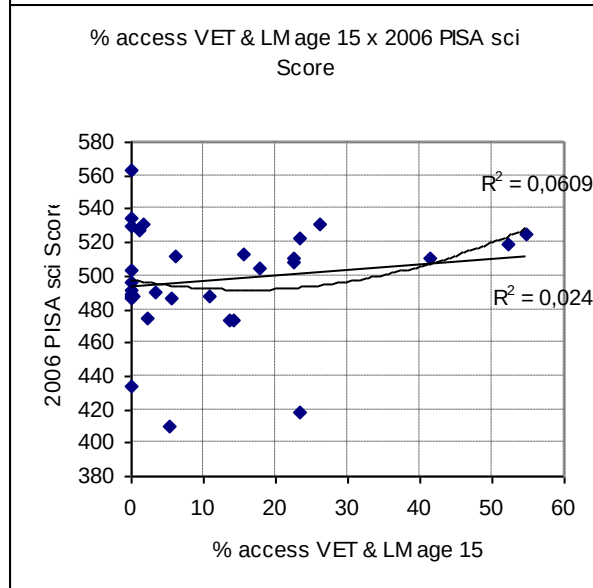
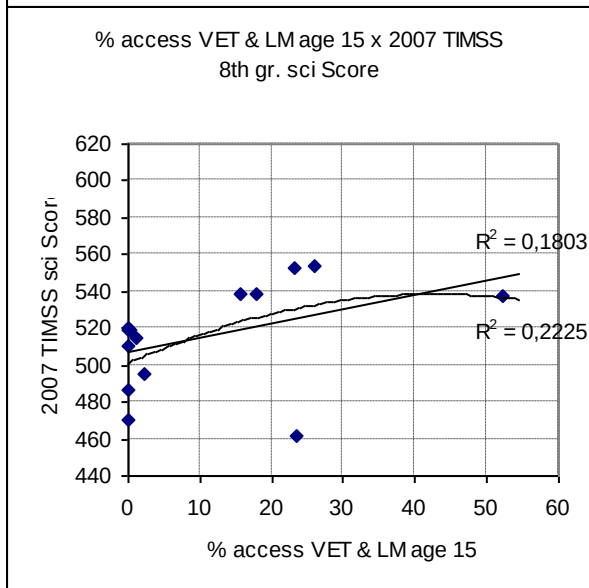
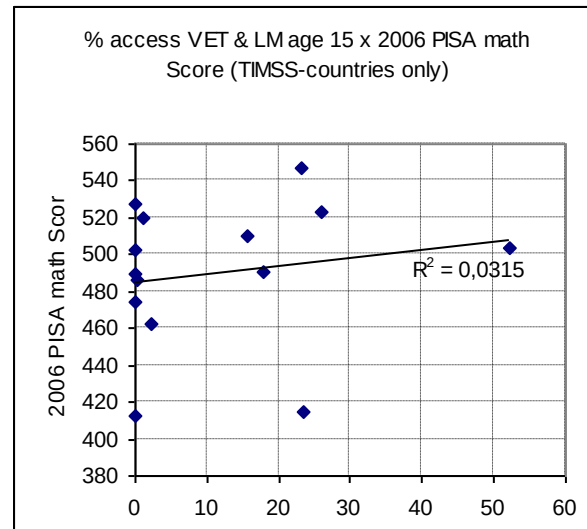
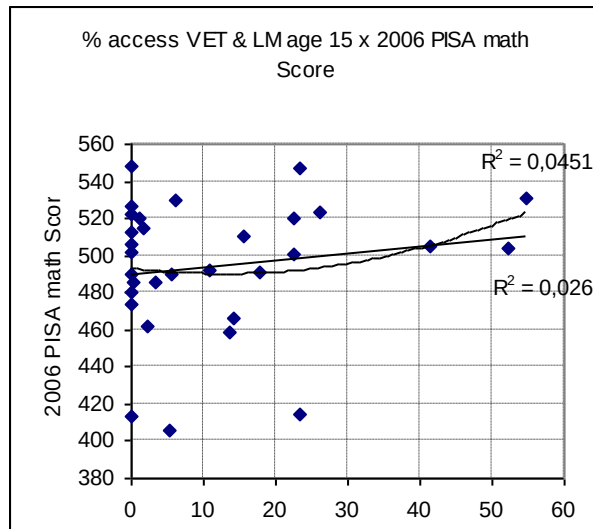
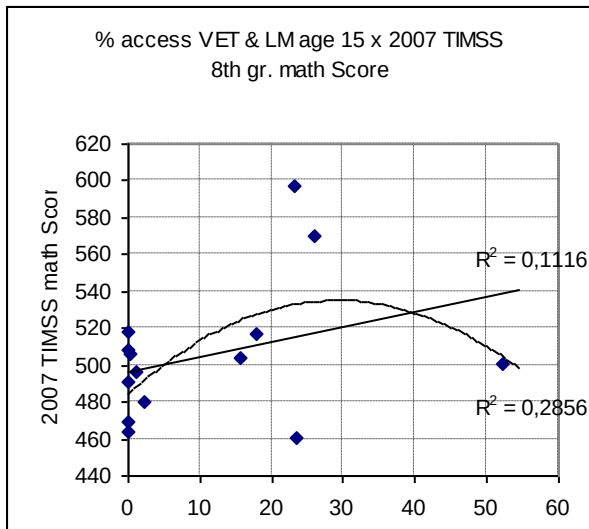
% VET at upper secondary level x 2006 PISA math S.D.



% VET at upper secondary level x 2006 PISA sci S.D.

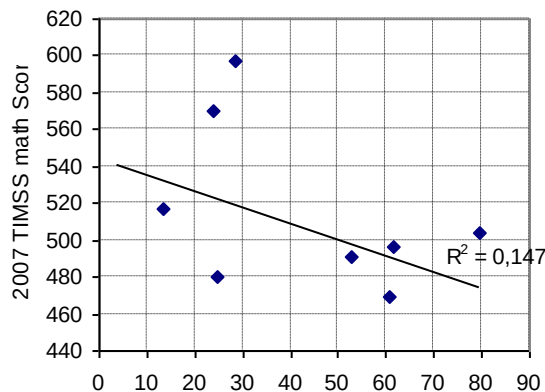


TIMSS'07 & PISA'06: %VET15, math, sci sco.

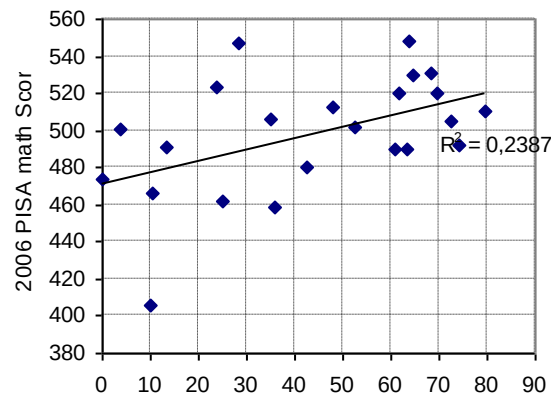


TIMSS'07 & PISA'06: %VETups, math, sci sc.

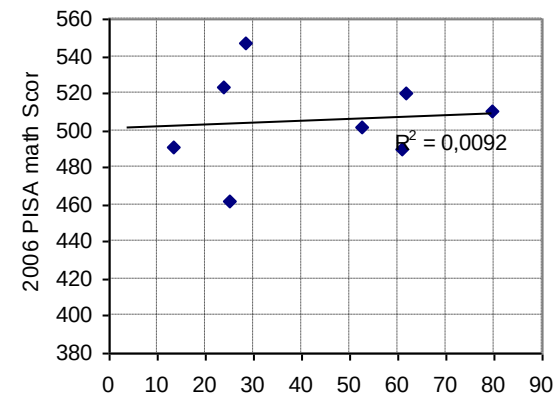
% VET at upper secondary level x 2007 TIMSS
8th gr. math Score



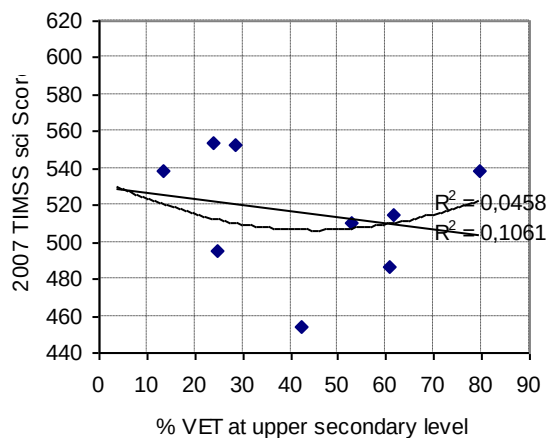
% VET at upper secondary level x 2006 PISA
math Score



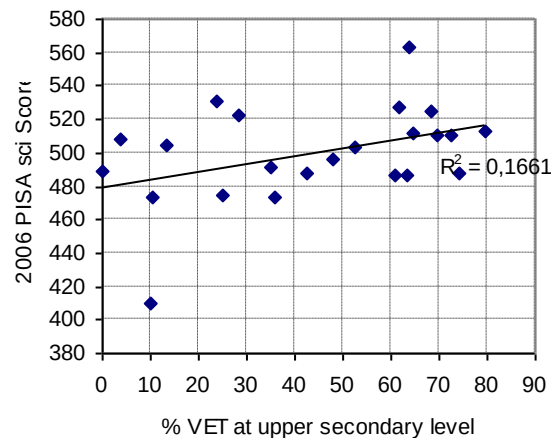
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math Score



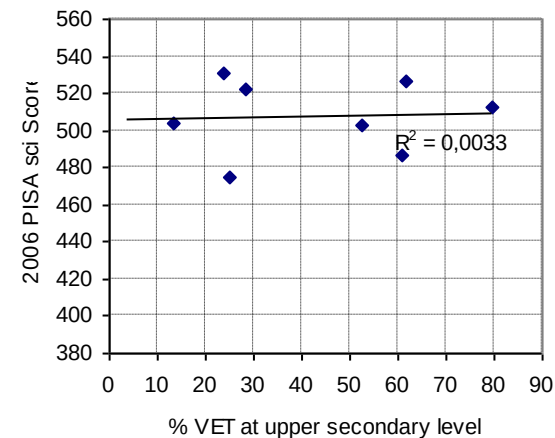
% VET at upper secondary level x 2007 TIMSS
8th gr. sci Score



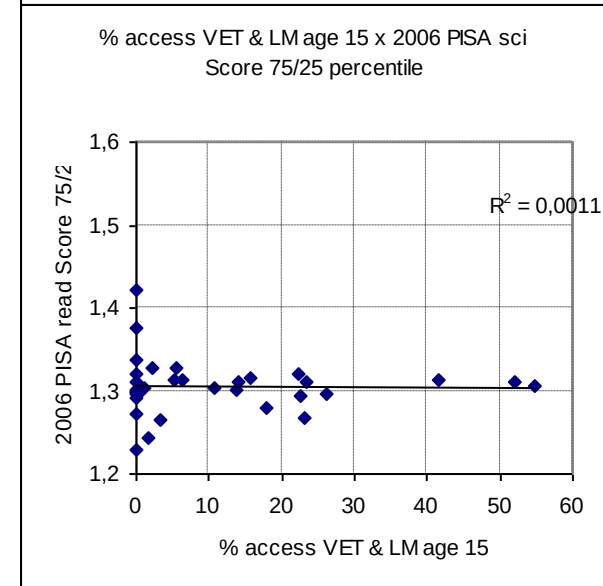
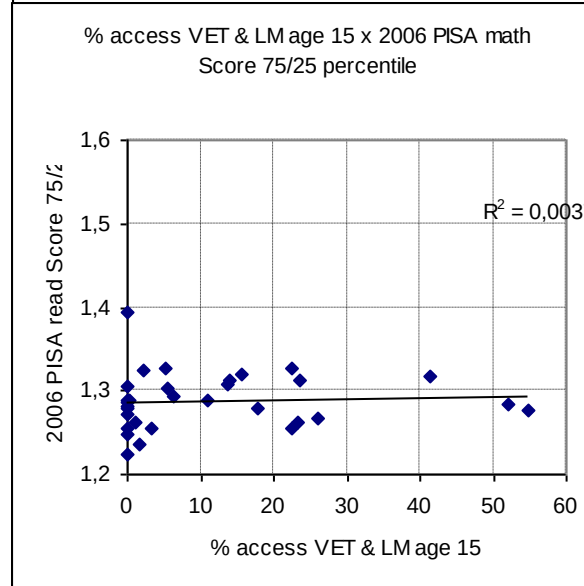
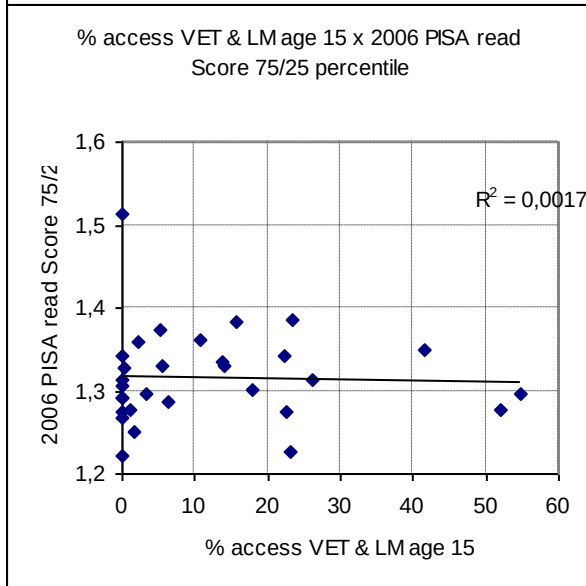
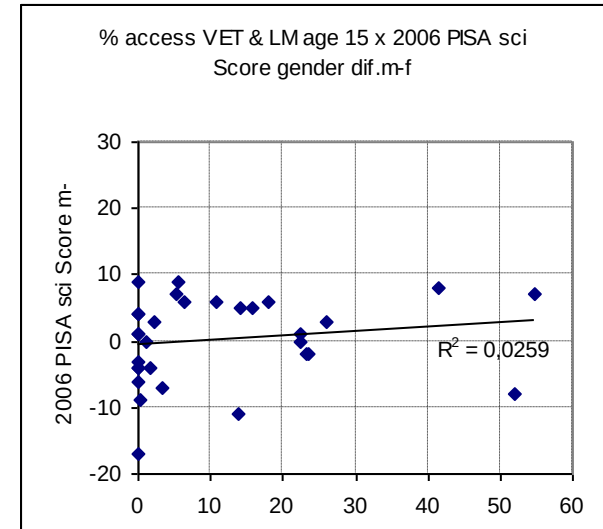
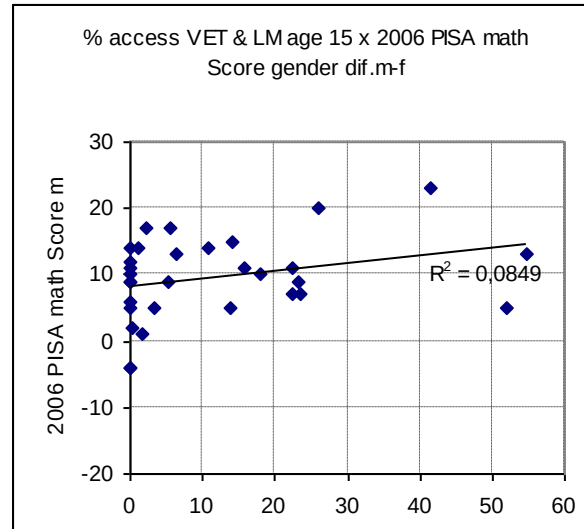
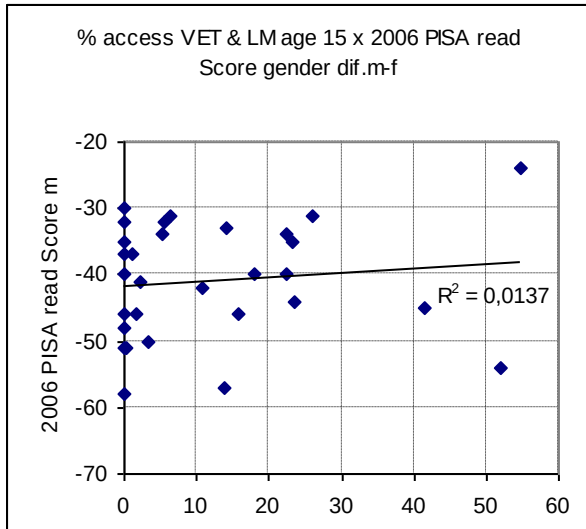
% VET at upper secondary level x 2006 PISA
sci Score



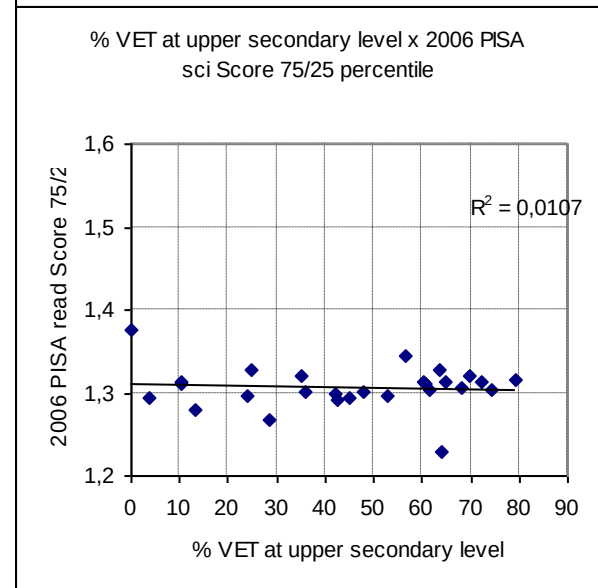
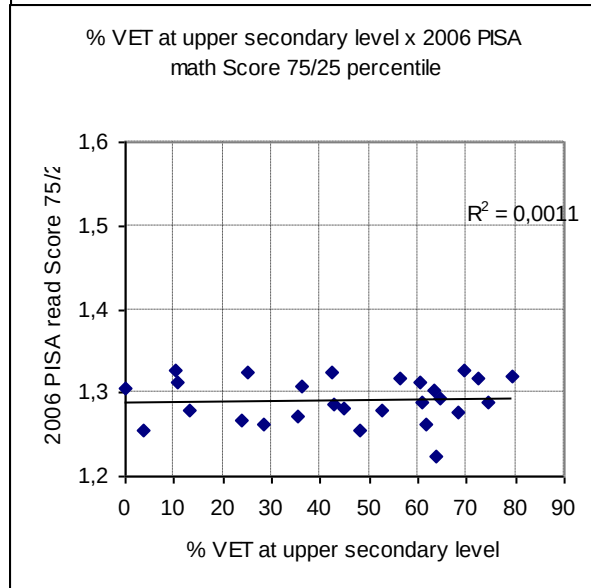
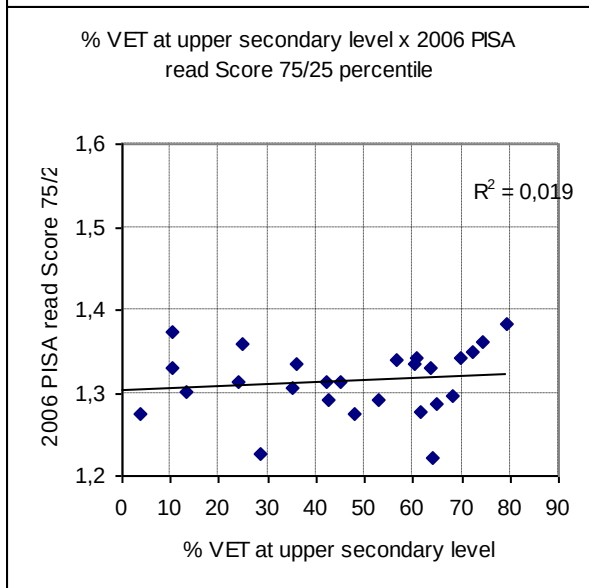
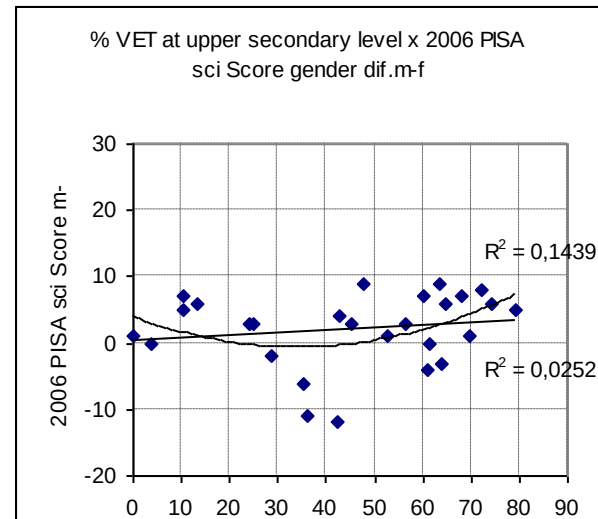
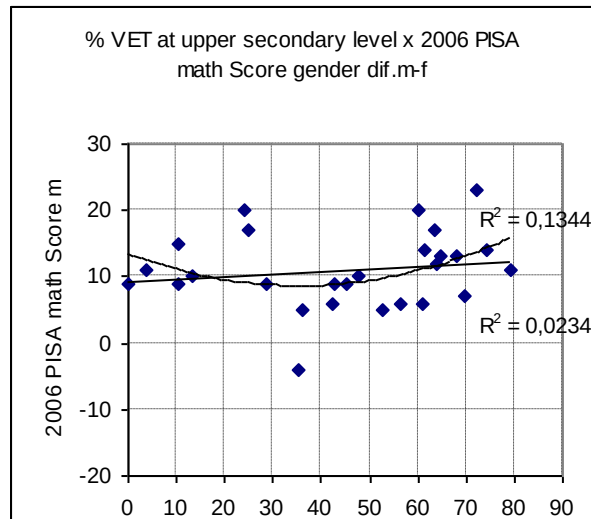
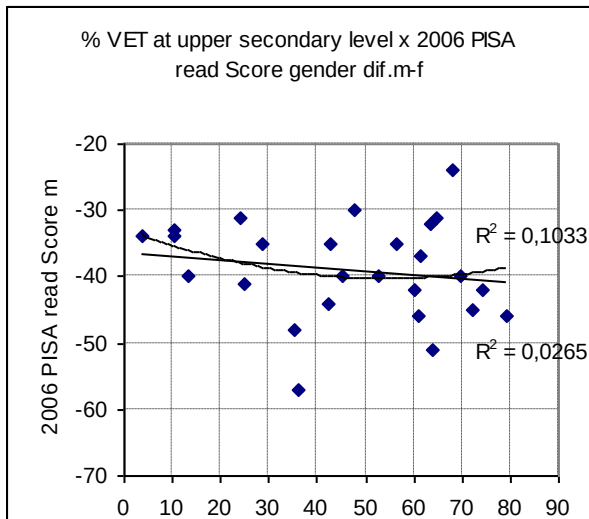
% VET at upper secondary level x 2006 PISA
sci Score



PISA 2006: %VET15 x gender, achievement diff.



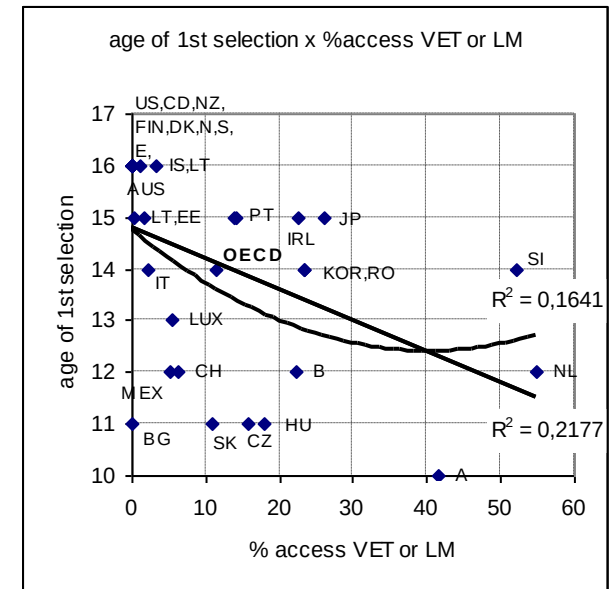
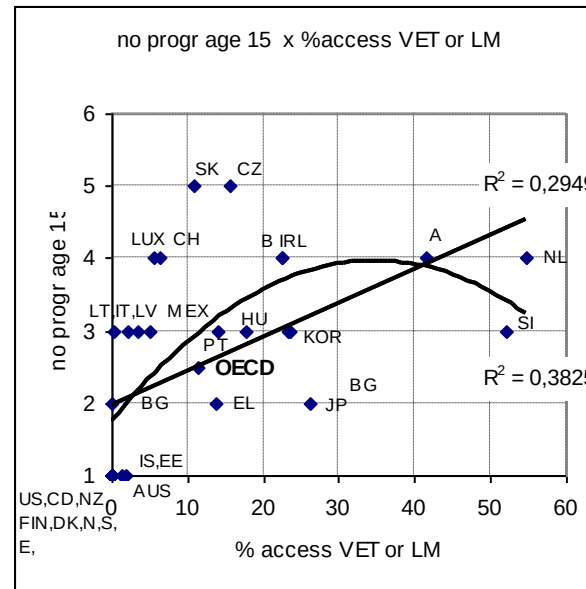
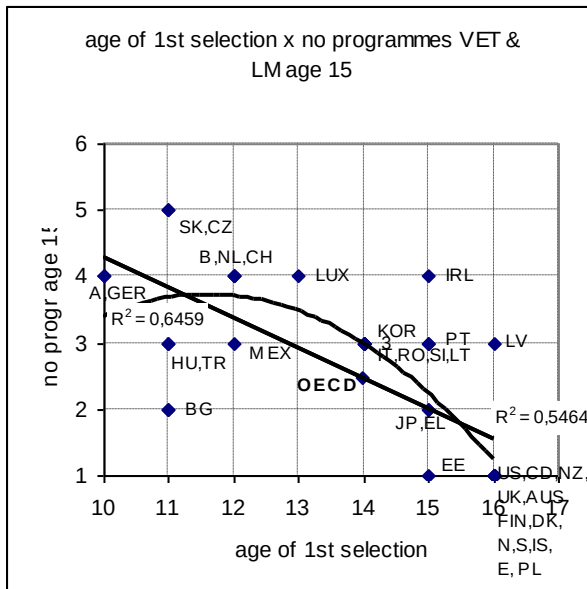
PISA 2006: %VETups x gender, achievem. diff.



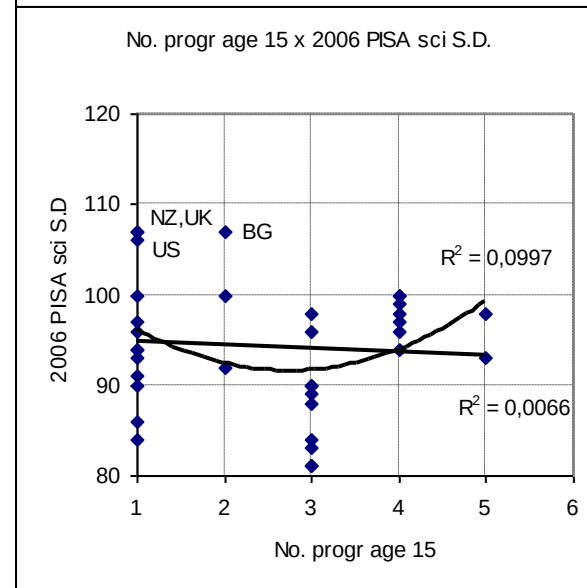
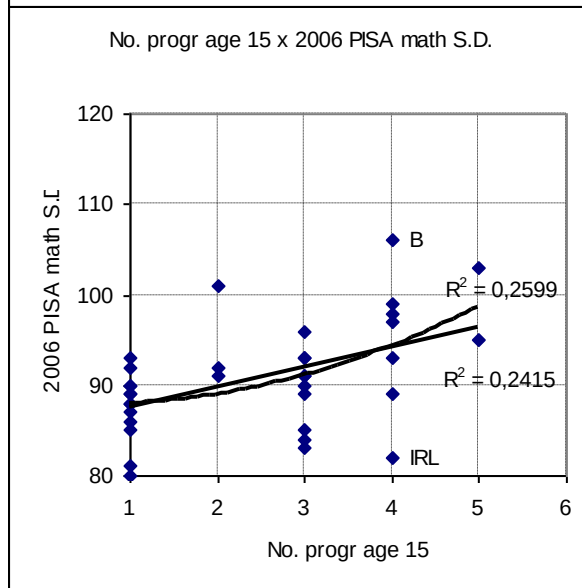
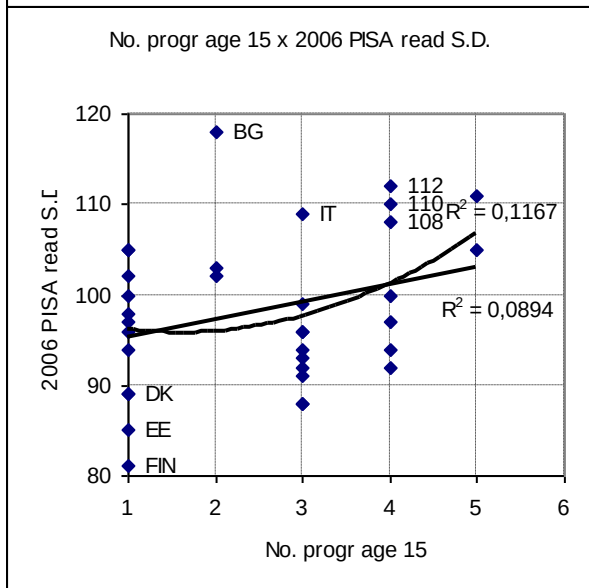
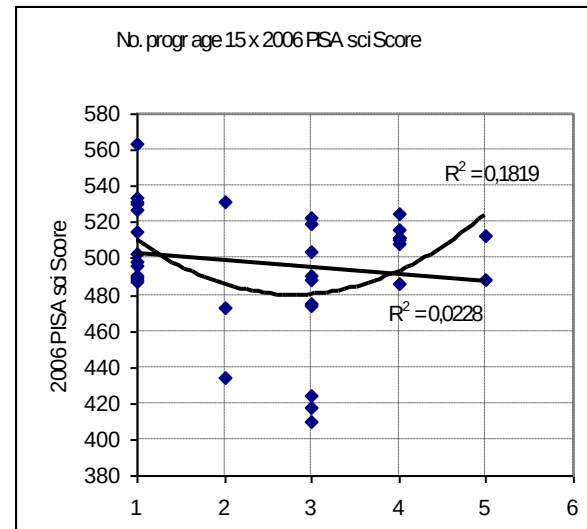
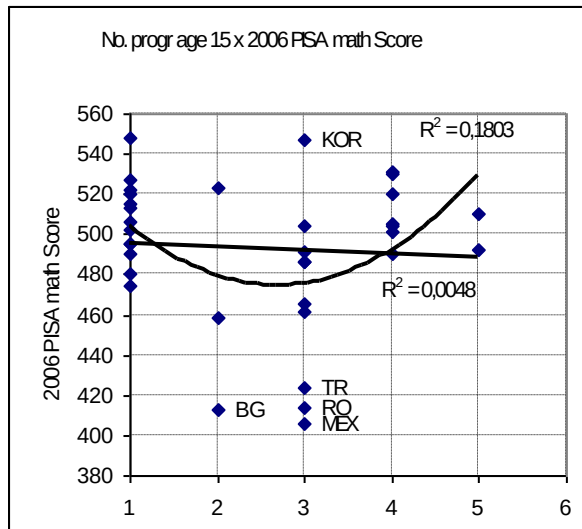
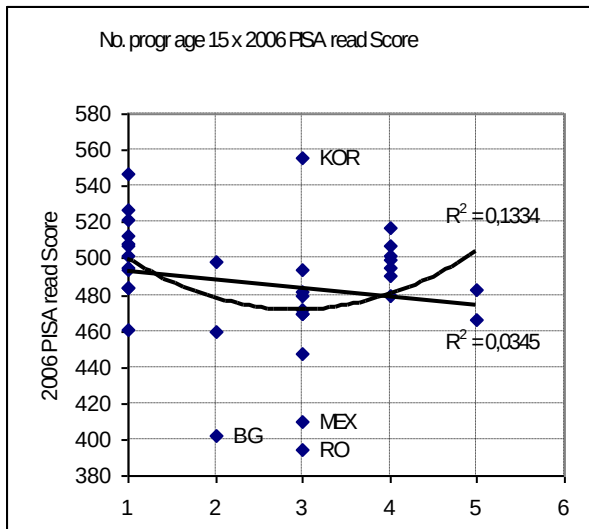
PISA 2006: Structural Traits of ET-systems I

(share of VET at age 15, programmes, and selection)

- the more programmes, the earlier selection occurs
- the more VET, the more programmes are available
however, also some systems with low VET are strongly differentiated
- the more VET, the earlier the 1st selection point occurs
however, also with low VET early selection occurs

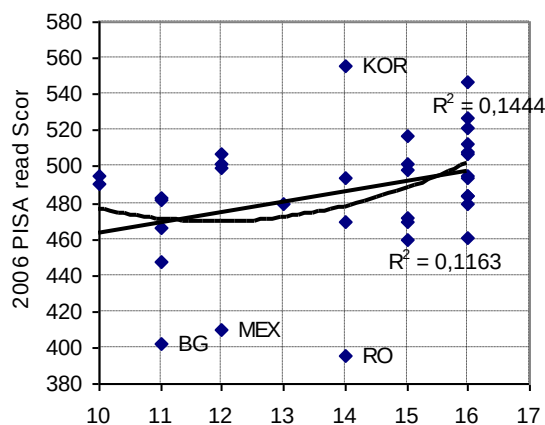


PISA 2006: No.progr.15y. x Scores, Distribution

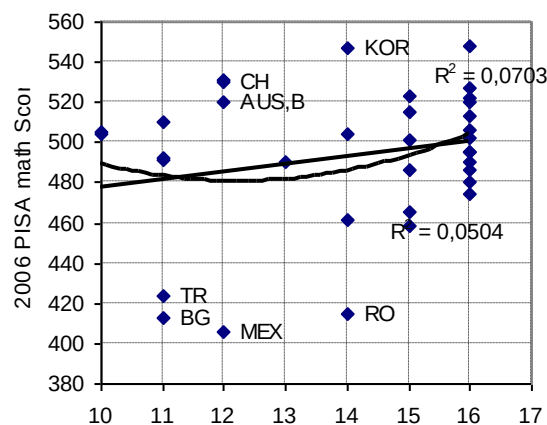


PISA 2006: 1st selection x Scores, Distribution

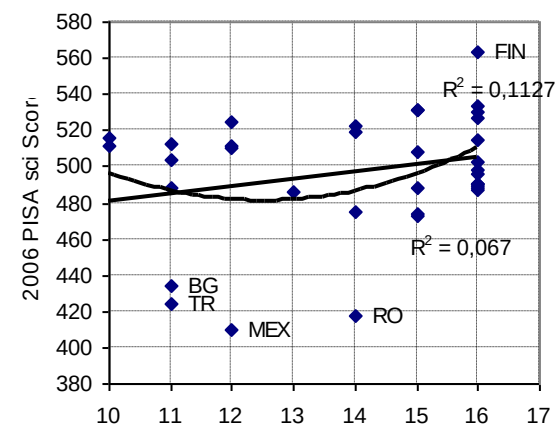
age of 1st selection x 2006 PISA read Score



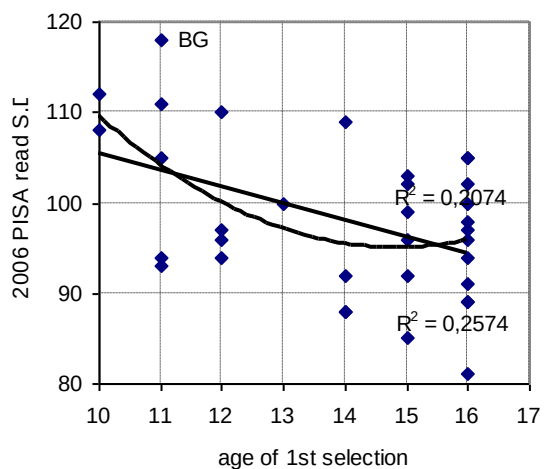
age of 1st selection x 2006 PISA math Score



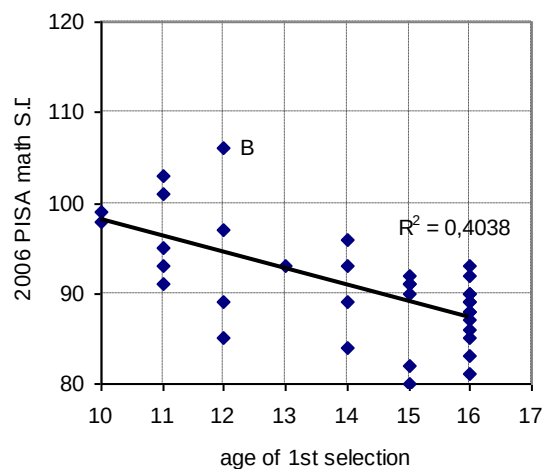
age of 1st selection x 2006 PISA sci Score



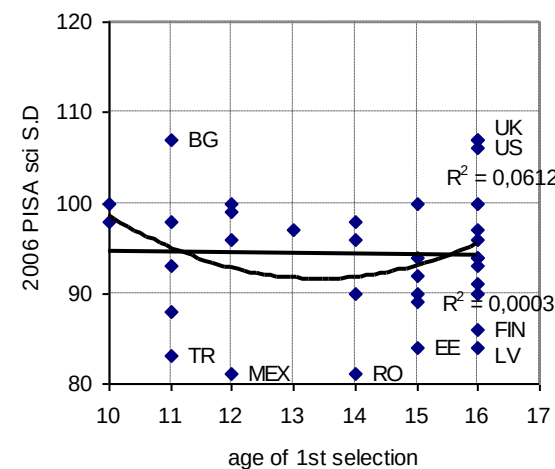
age of 1st selection x 2006 PISA read S.D.



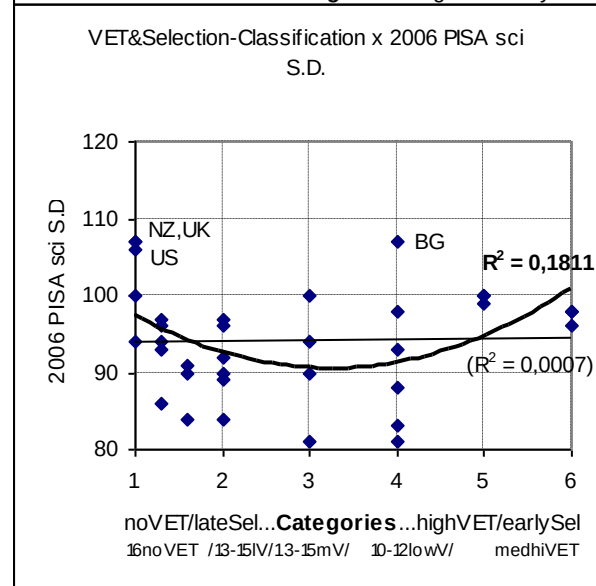
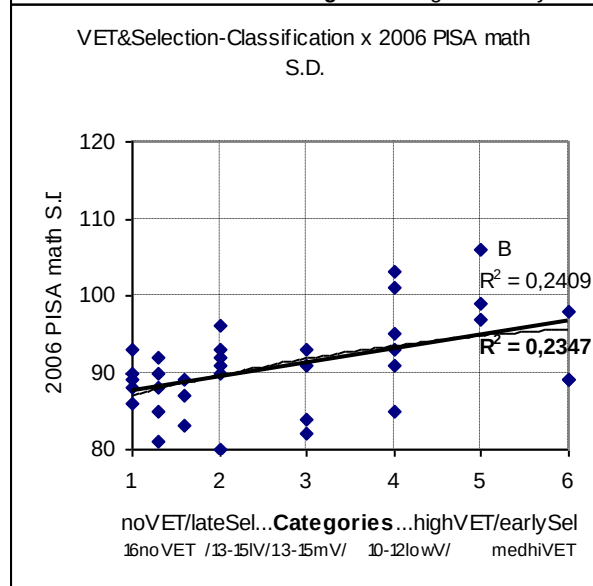
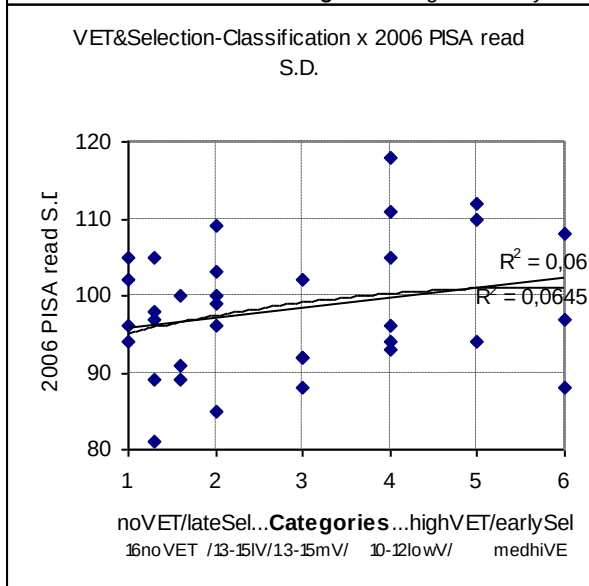
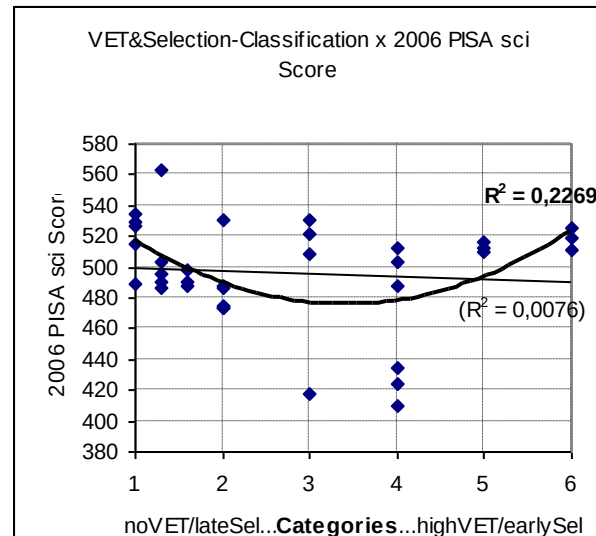
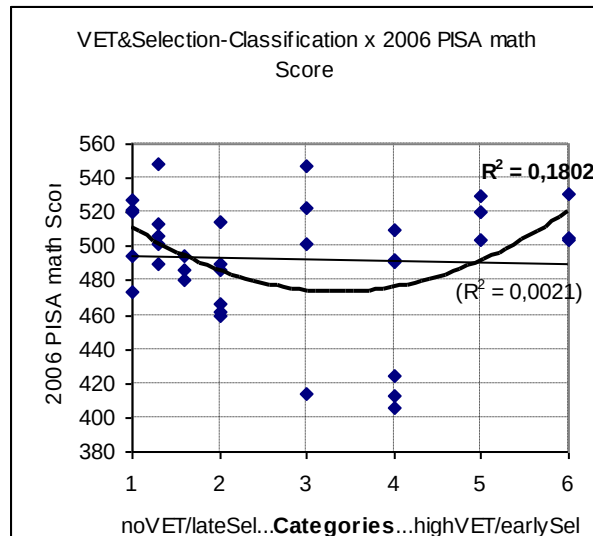
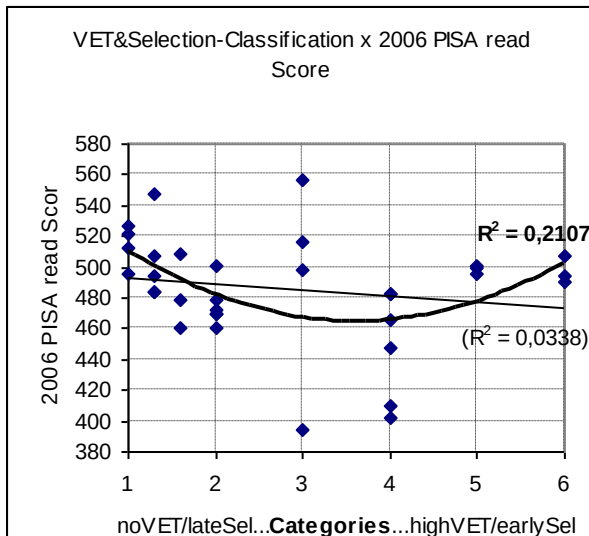
age of 1st selection x 2006 PISA math S.D.



age of 1st selection x 2006 PISA sci S.D.



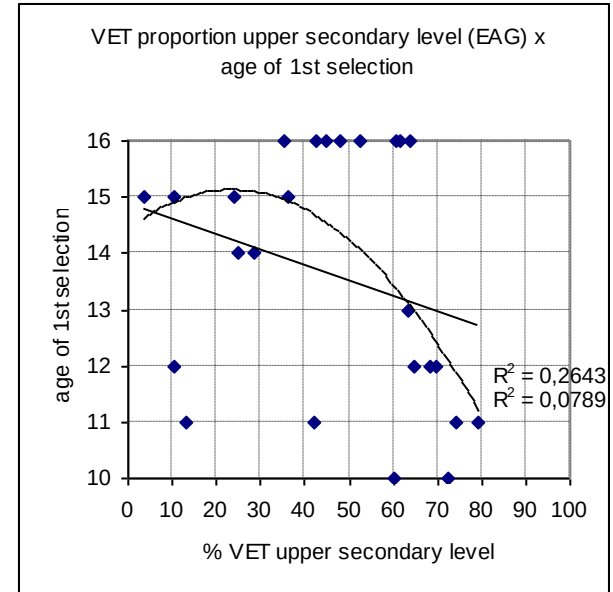
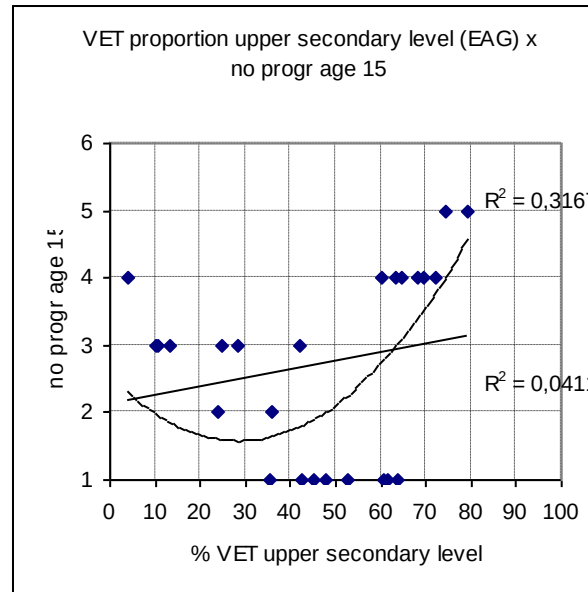
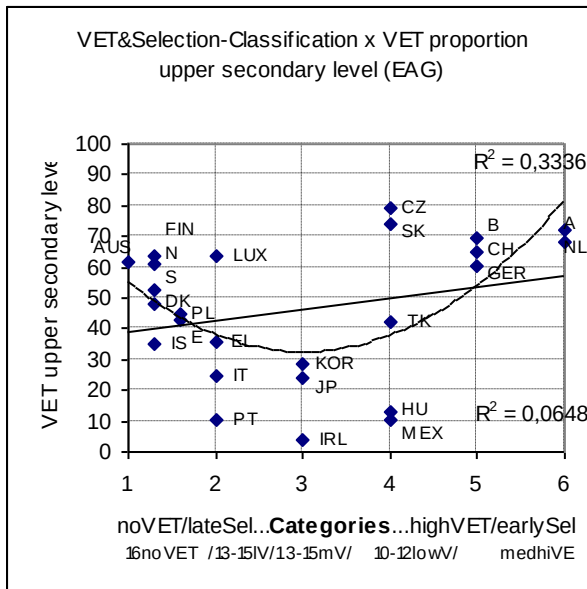
PISA 2006: Categories I x Scores, Distribution



PISA 2006: Structural Traits of ET-systems II

(share of VET at age 15, programmes, and selection)

- ...all comprehensive systems with late selection move to medium/high VET
- ...all systems with early selection into VET remain in high VET
- ...all but one systems with high early programme differentiation move to high VET



PISA & EAG 2006: A second classification of VET structures

1: early selection and low/medium VET

HU, MEX, TR

2: late selection and low/medium VET

EL, IRL, IT, JP, KOR, PT

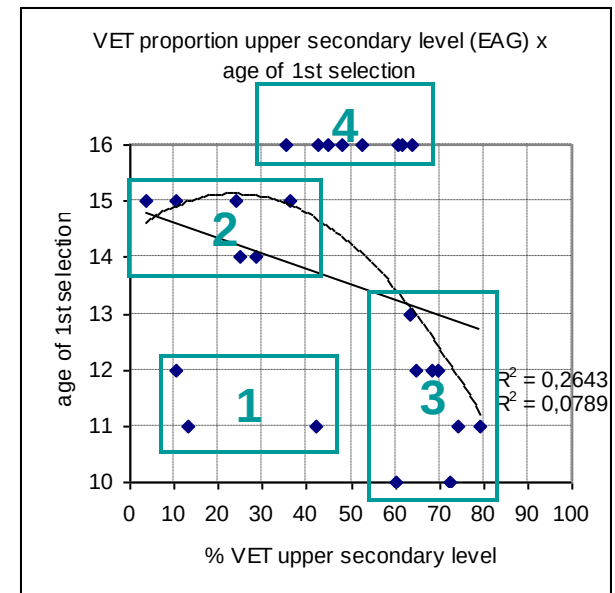
3: early selection and high VET

A, B, CZ, GER, LUX, NL, SK, CH

4: late selection and medium/high VET

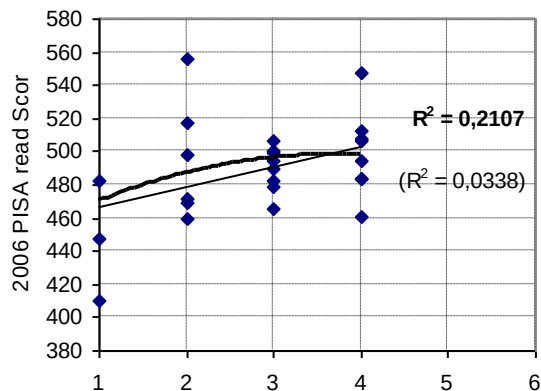
AUS, DK, FIN, IS, N, PL, E, S

NOTE: the anglo-saxon countries, and some new member states are missing in the EAG-classification

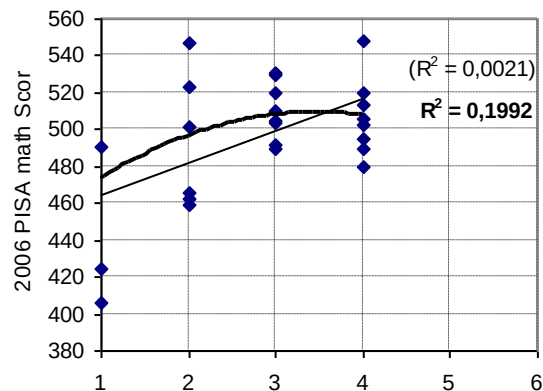


PISA/EAG 2006: Categories II x Scores, Distr.

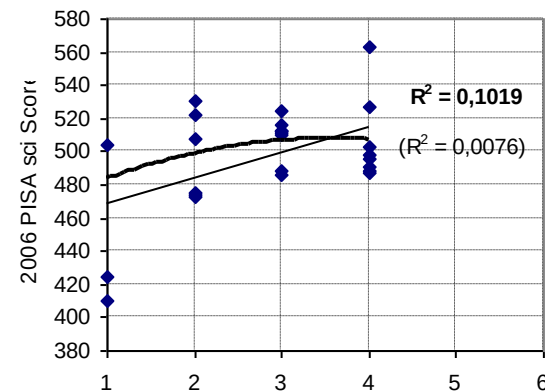
VET&Selection-Classification x 2006 PISA read Score



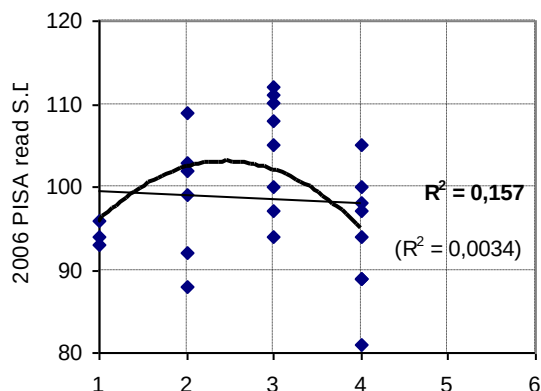
VET&Selection-Classification x 2006 PISA math Score



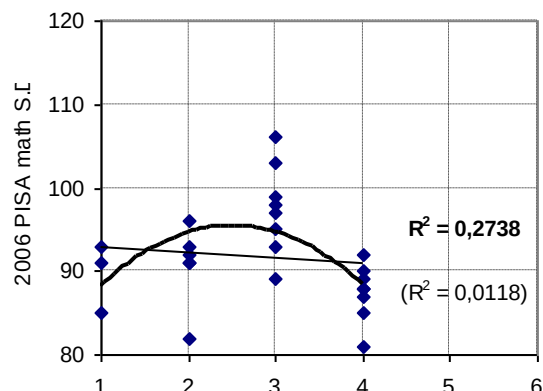
VET&Selection-Classification x 2006 PISA sci Score



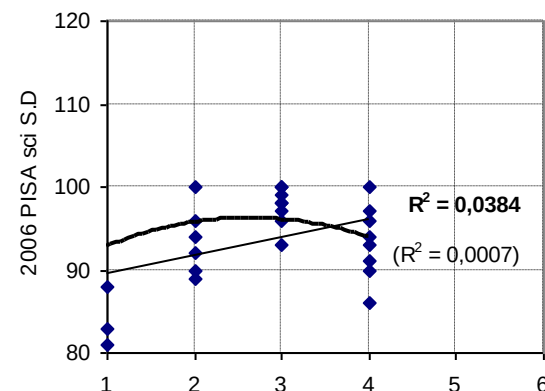
VET&Selection-Classification x 2006 PISA read S.D.



VET&Selection-Classification x 2006 PISA math S.D.



VET&Selection-Classification x 2006 PISA sci S.D.



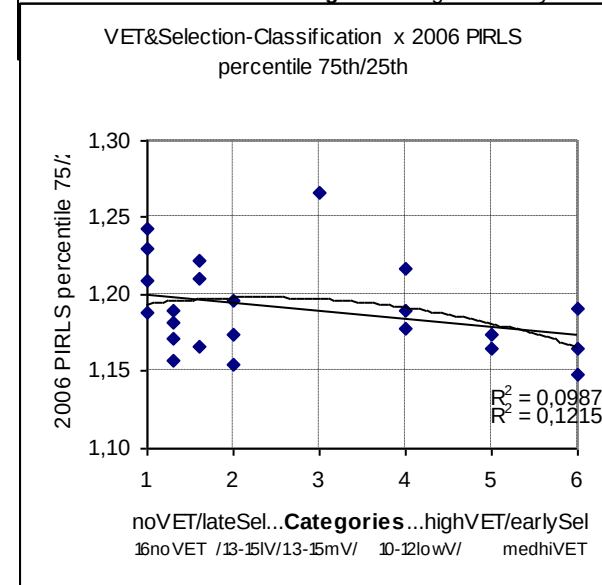
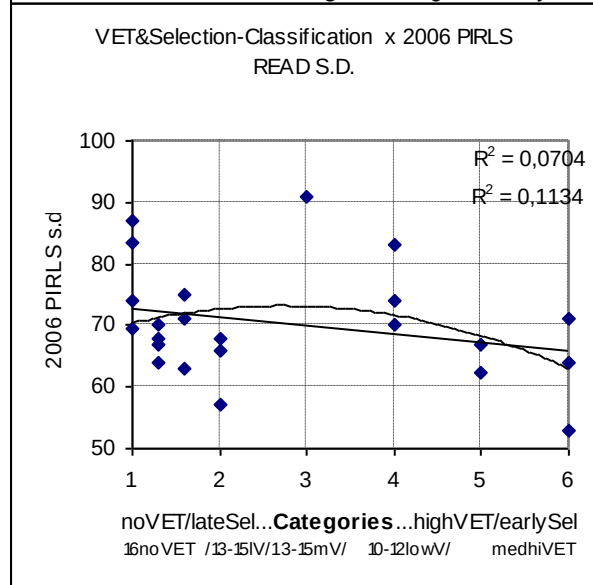
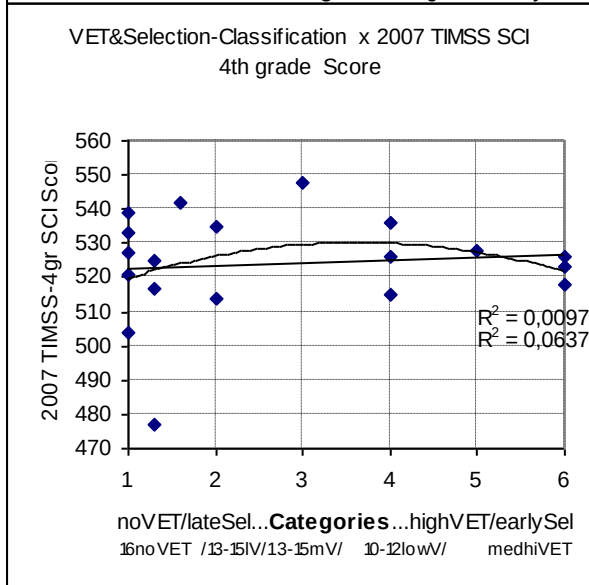
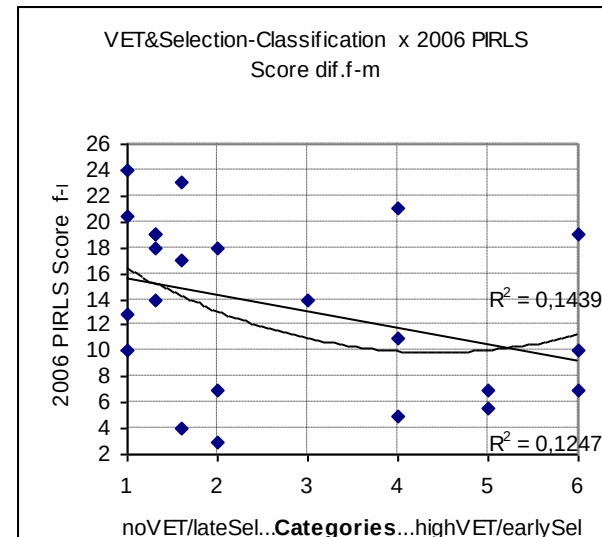
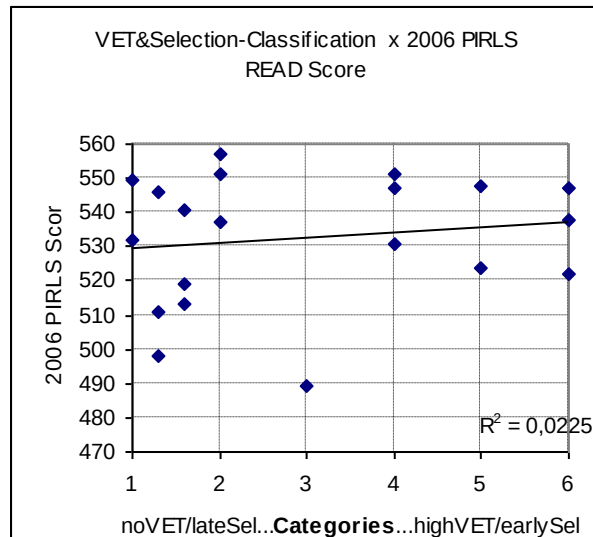
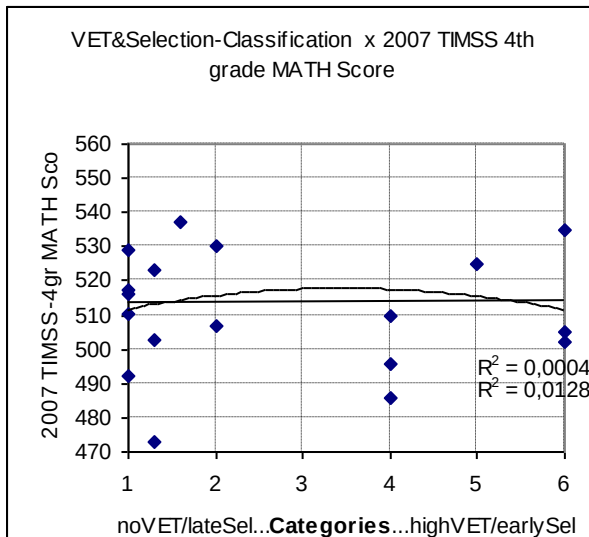
low VET...Categories...medhighVET

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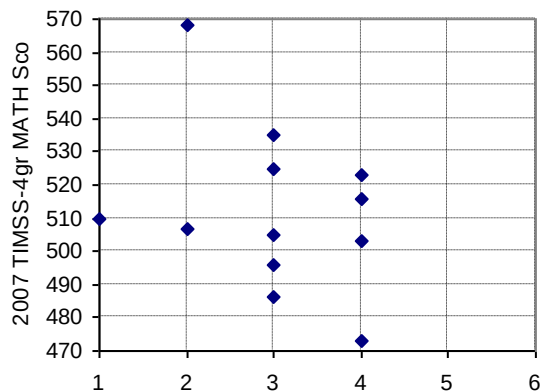
3.3. VET structures and achievement at primary level

TIMSS 2007 & PIRLS 2006: Primary level I

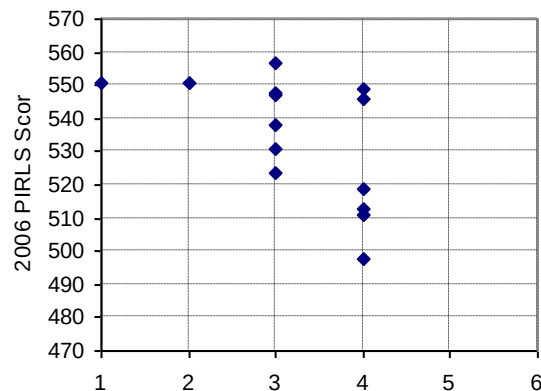


TIMSS 2007 & PIRLS 2006: Primary level II

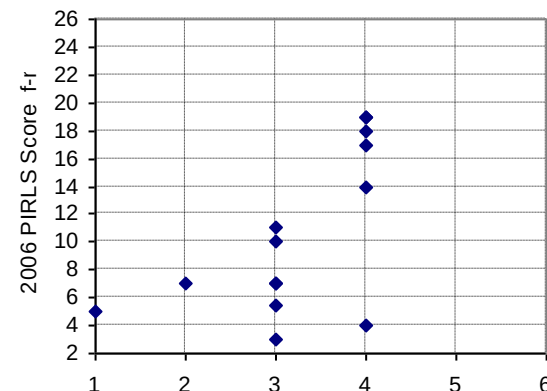
VET&Selection-Classification x 2007 TIMSS 4th grade MATH Score



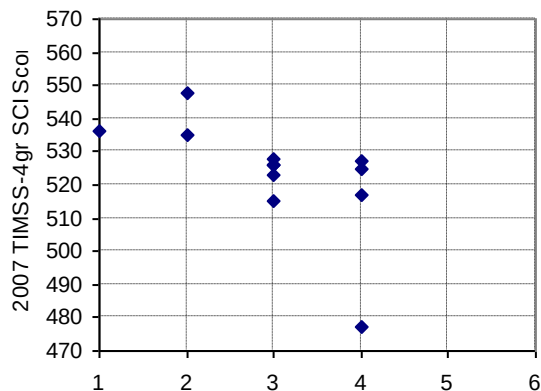
VET&Selection-Classification x 2006 PIRLS READ Score



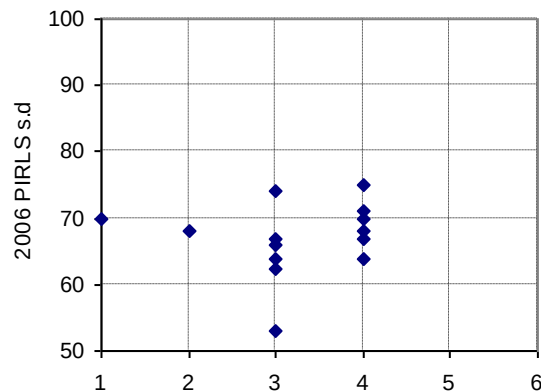
VET&Selection-Classification x 2006 PIRLS Score dif.f-m



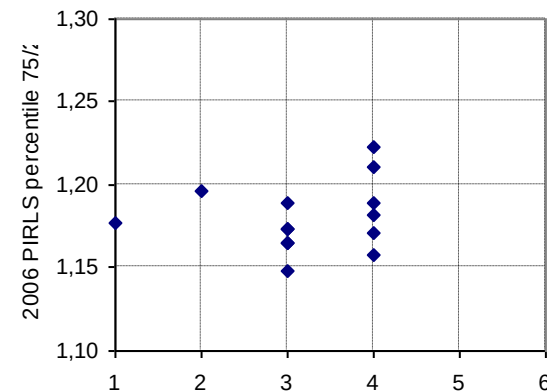
VET&Selection-Classification x 2007 TIMSS SCI 4th grade Score



VET&Selection-Classification x 2006 PIRLS READ S.D.



VET&Selection-Classification x 2006 PIRLS percentile 75th/25th



low VET...Categories...medhighVET

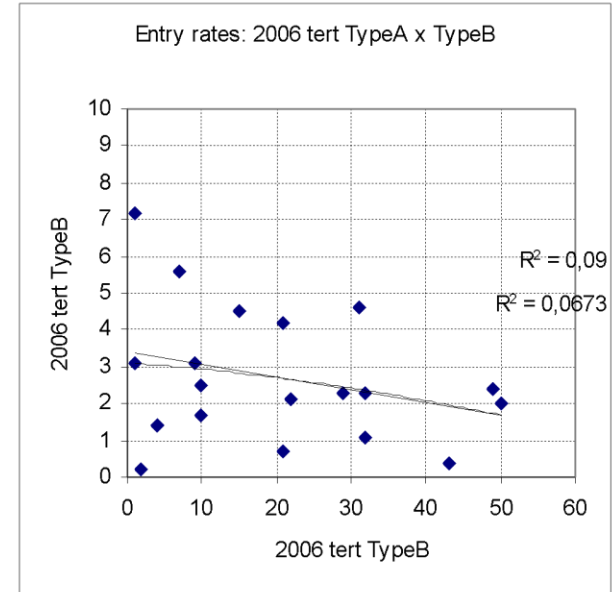
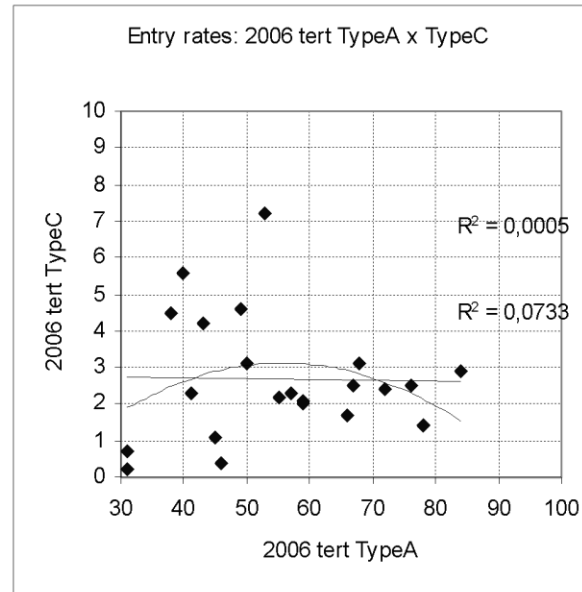
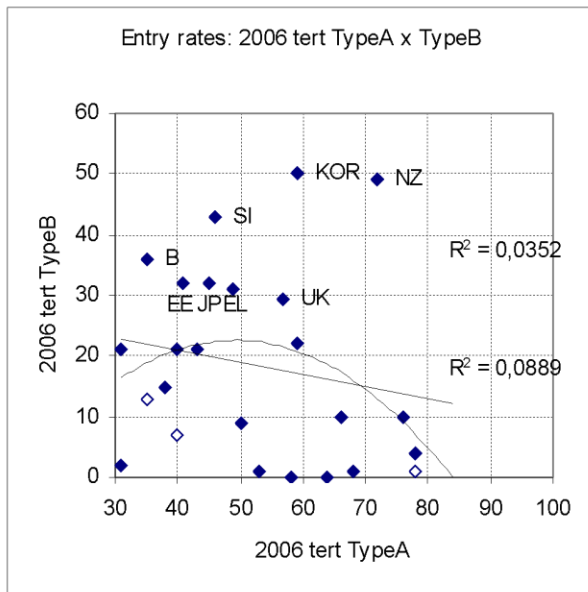
low VET...Categories...medhighVET

low VET...Categories...medhighVET

3.4. VET structures and higher education

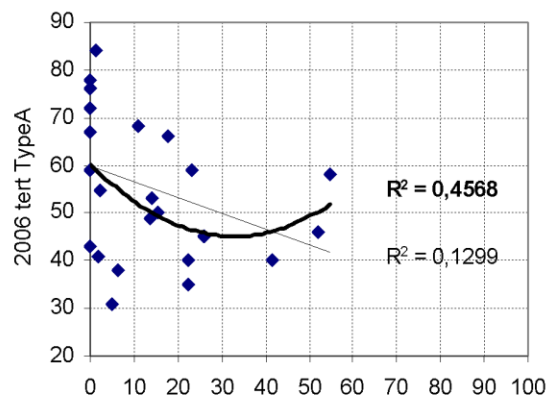
EAG 2006: Relation between HE Types A, B, C (entry rates)

- Overall weak relation between HE types, however, some indications
 - High rates Type A mostly low rates Type B
 - High rates Type A mostly low rates Type C
 - Type B and C unrelated

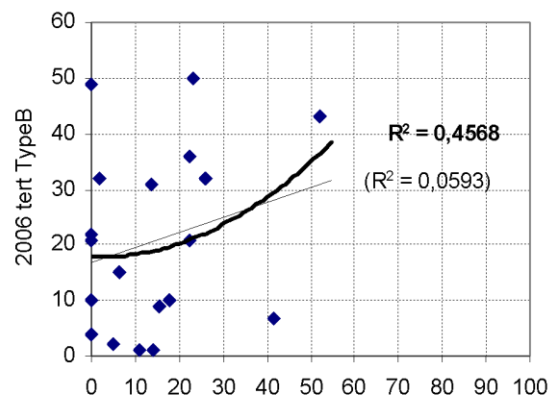


EAG 2006, PISA 2006: Relation %VET & %HE

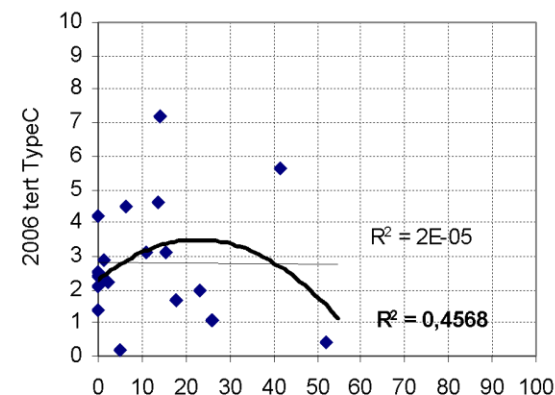
% access VET & LM age 15 x 2006 tert TypeA



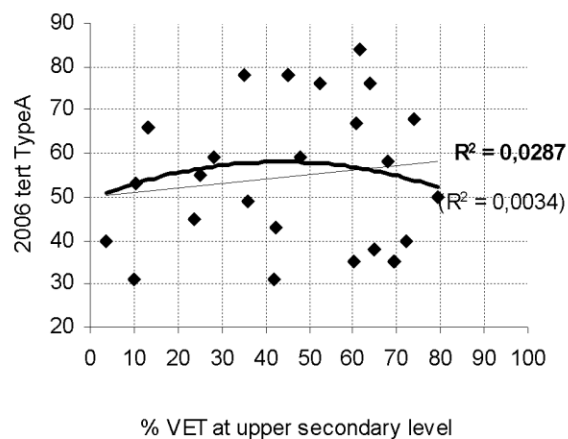
% access VET & LM age 15 x 2006 tert TypeB



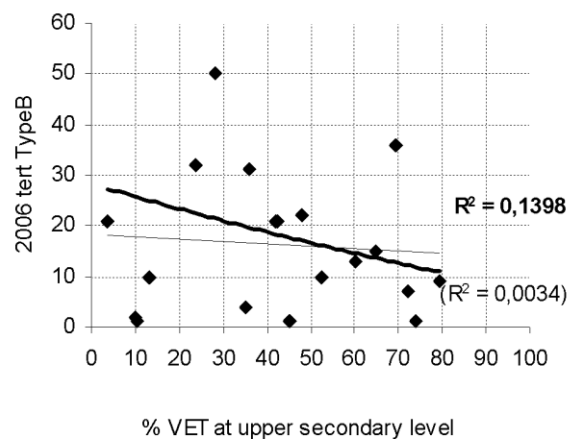
% access VET & LM age 15 x 2006 tert TypeC



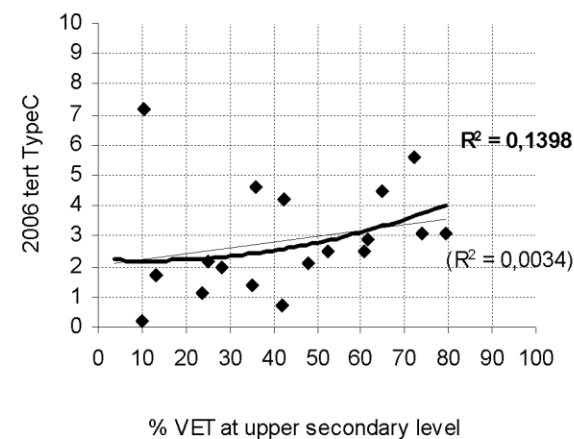
VET&Selection-Classification x 2006 tert TypeA



VET&Selection-Classification x 2006 tert TypeB

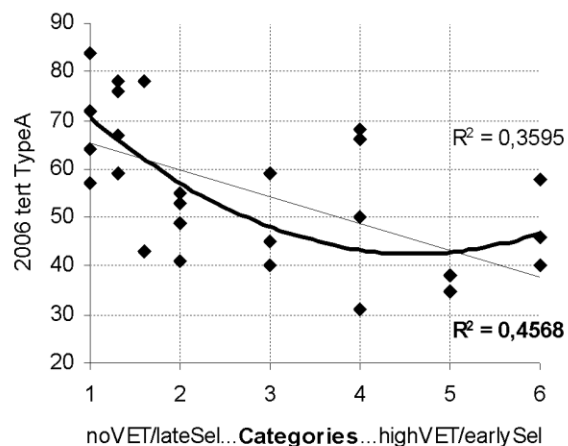


VET&Selection-Classification x 2006 tert TypeC

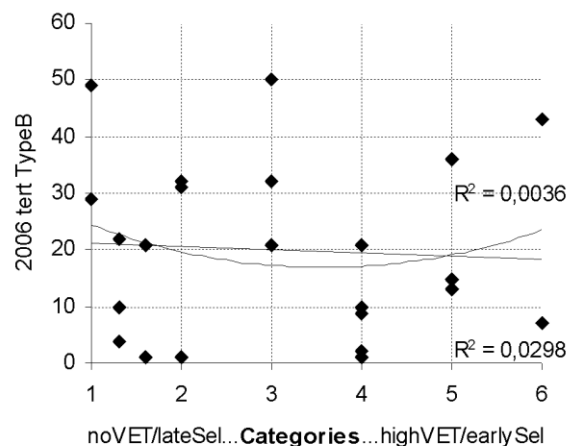


EAG 2006, PISA 2006: VET-Classific. & % HE

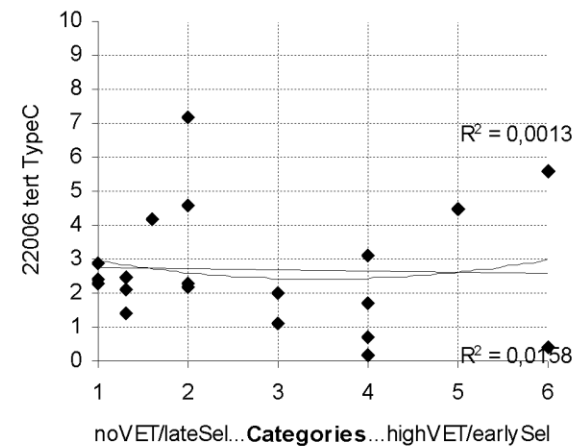
VET&Selection-Classification x 2006 tert TypeA



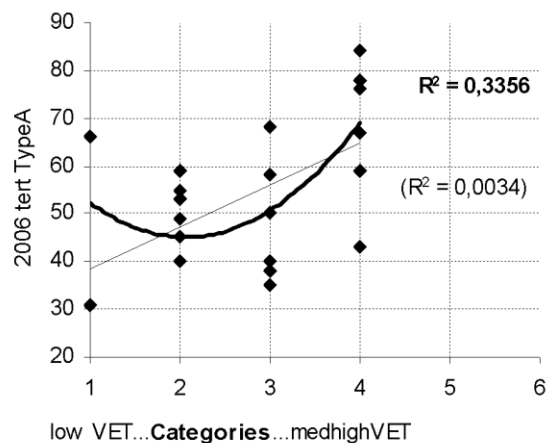
VET&Selection-Classification x 2006 tert TypeB



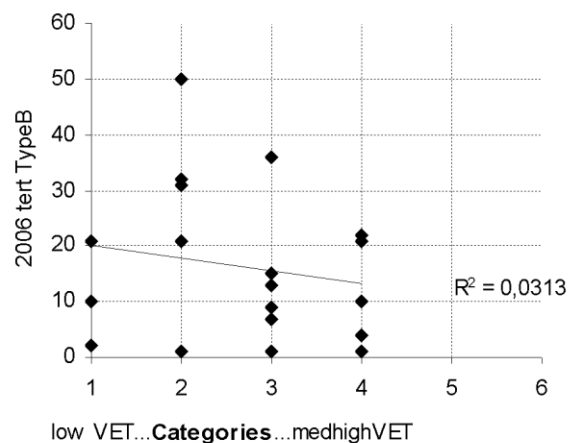
VET&Selection-Classification x 2006 tert TypeC



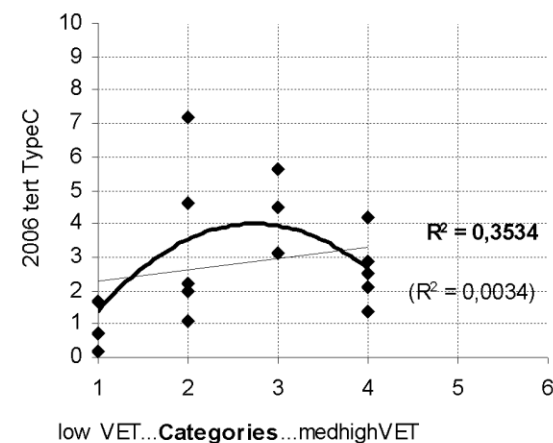
VET&Selection-Classification x 2006 tert TypeA



VET&Selection-Classification x 2006 tert TypeB

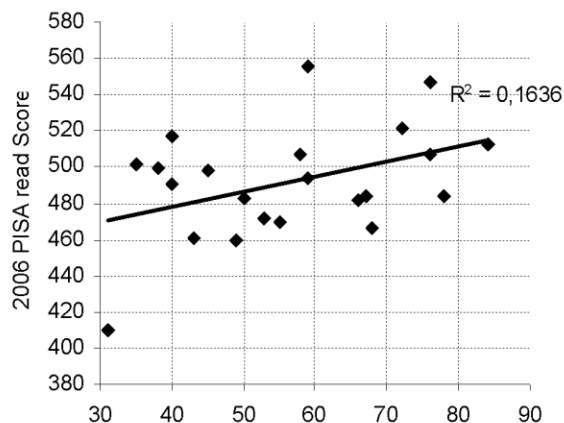


VET&Selection-Classification x 2006 tert TypeC

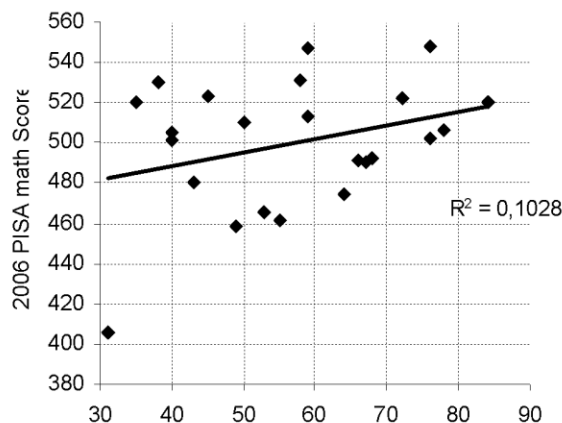


PISA/EAG 2006: %HE TypeA x Scores, Distrib.

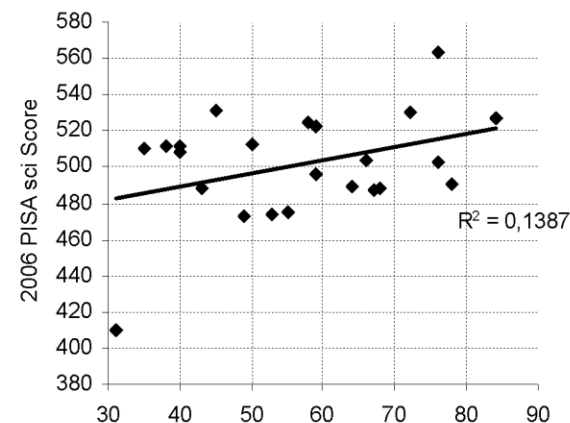
% tert TypeA x 2006 PISA read Score



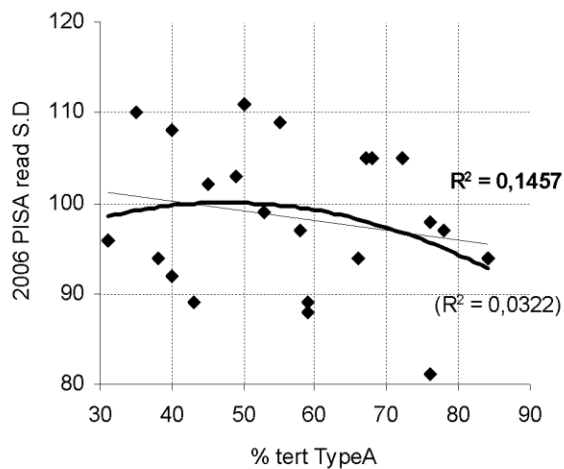
% tert TypeA x 2006 PISA math Score



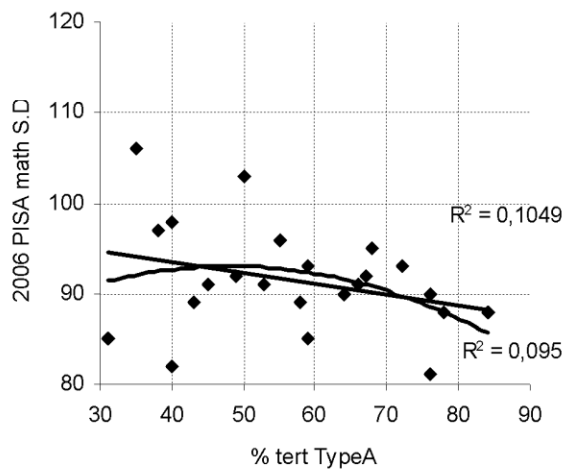
% tert TypeA x 2006 PISA sci Score



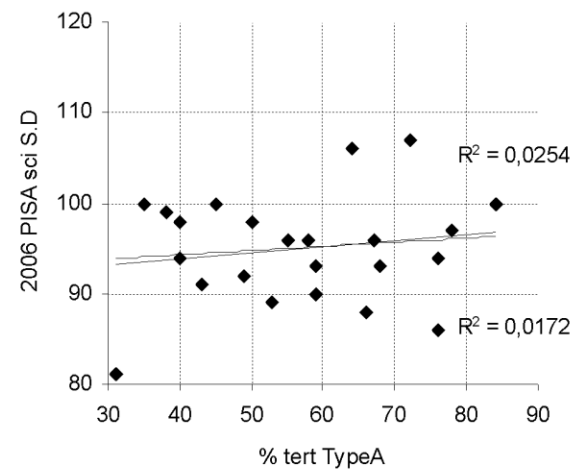
% tert TypeA x 2006 PISA read S.D.



% tert TypeA x 2006 PISA math S.D.

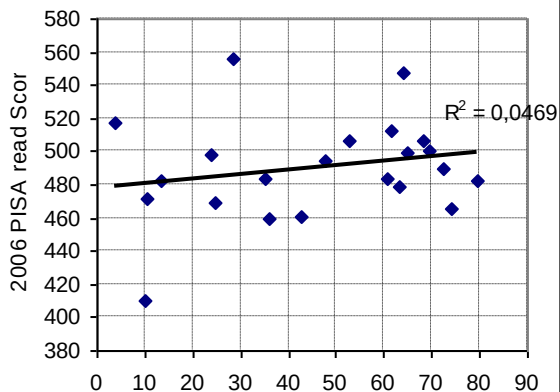


% tert TypeA x 2006 PISA sci S.D.

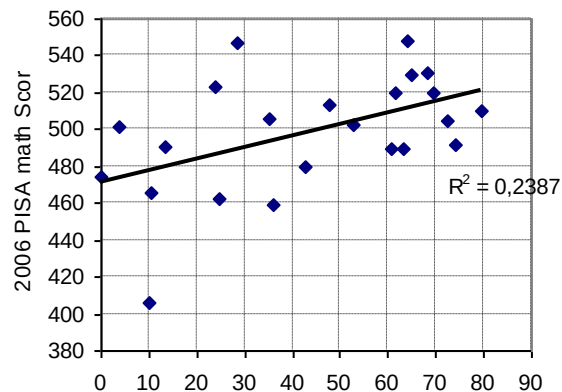


PISA/EAG 2006: %VETups x Scores, Distrib.

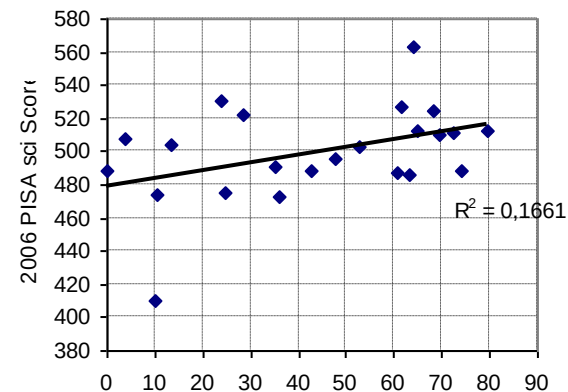
% VET at upper secondary level x 2006 PISA read Score



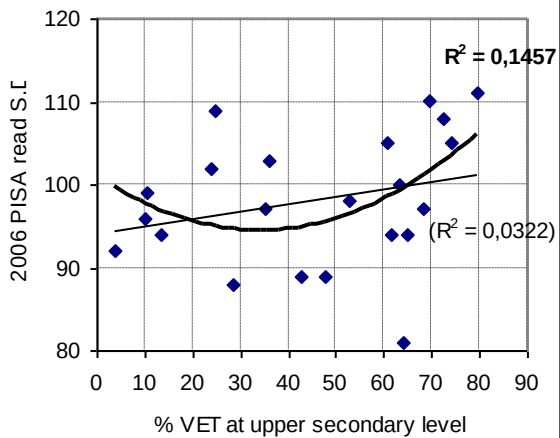
% VET at upper secondary level x 2006 PISA math Score



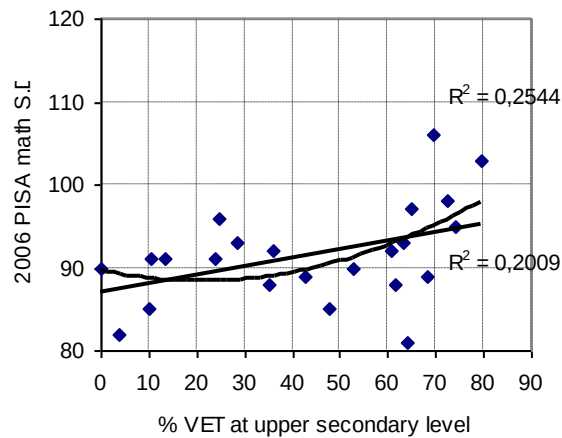
% VET at upper secondary level x 2006 PISA sci Score



% VET at upper secondary level x 2006 PISA read S.D.



% VET at upper secondary level x 2006 PISA math S.D.



% VET at upper secondary level x 2006 PISA sci S.D.

