

Predictive Reporting

June 2014



Student Learning Objectives

New York State Student Learning Objective Template

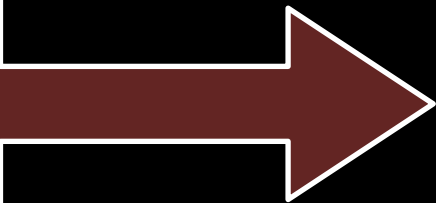
All SLOs MUST include the following basic components:

Population	<i>These are the students assigned to the course section(s) in this SLO - all students who are assigned to the course section(s) must be included in the SLO. (Full class rosters of all students must be provided for all included course sections.)</i>
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Target(s)	<p><i>What is the expected outcome (target) of students' level of knowledge of the learning content at the end of the instructional period?</i></p> <p>Based on the Nassau BOCES "SLO Longitudinal Report," [80%] of all students will meet or exceed their predicted target on the [English] Regents.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: yellow; padding: 5px; border: 1px solid black;"> Enter the Target Percent aligned to the district HEDI Anchor Point for Effective such as 80% may be aligned to 13 HEDI points. </div> <div style="background-color: yellow; padding: 5px; border: 1px solid black;"> Summative Regents Exam </div> </div>																																																																																	
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Student Learning Objectives

predict
student
success
rates



INTEGRATED ALGEBRA

The University of the State of New York
REGENTS HIGH SCHOOL EXAMINATION

INTEGRATED ALGEBRA

Thursday, January 30, 2014 — 9:15 a.m. to 12:15 p.m., only

Student Name: _____

School Name: _____

The possession or use of any communications device is strictly prohibited when taking this examination. If you have or use any communications device, no matter how briefly, your examination will be invalidated and no score will be calculated for you.

Print your name and the name of your school on the lines above.

A separate answer sheet for Part I has been provided to you. Follow the instructions from the proctor for completing the student information on your answer sheet.

This examination has four parts, with a total of 39 questions. You must answer all questions in this examination. Record your answers to the Part I multiple-choice questions on the separate answer sheet. Write your answers to the questions in Parts II, III, and IV directly in this booklet. All work should be written in pen, except graphs and drawings, which should be done in pencil. Clearly indicate the necessary steps, including appropriate formula substitutions, diagrams, graphs, charts, etc. The formulas that you may need to answer some questions in this examination are found at the end of the examination. This sheet is perforated so you may remove it from this booklet.

Scrap paper is not permitted for any part of this examination, but you may use the blank spaces in this booklet as scrap paper. A perforated sheet of scrap graph paper is provided at the end of this booklet for any question for which graphing may be helpful but is not required. You may remove this sheet from this booklet. Any work done on this sheet of scrap graph paper will *not* be scored.

When you have completed the examination, you must sign the statement printed at the end of the answer sheet, indicating that you had no unlawful knowledge of the questions or answers prior to the examination and that you have neither given nor received assistance in answering any of the questions during the examination. Your answer sheet cannot be accepted if you fail to sign this declaration.

Notice...

A graphing calculator and a straightedge (ruler) must be available for you to use while taking this examination.

DO NOT OPEN THIS EXAMINATION BOOKLET UNTIL THE SIGNAL IS GIVEN.

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What if...

there were a way to create
Student Learning Objectives
(SLOs) without having to
administer a pre-test in
September...

Is there a
correlation
between previous
test performance
and future test
scores



Score Projection Report (class/section)

	Past Test Scores		Projection	Final Score	
Student	2012 Math 7 (500-800)	2013 Math 8 (119-403)	2014 Algebra I (0-100)	2014 Algebra I (0-100)	Goal Met (Y/N)
student01	94	89	92		
student02	81	92	88		
student03	65	76	71		
student04	91	85	88		
student05	95	90	91		
student06	100	99	95		
student07	93	83	89		
student08	58	61	63		
student09	90	95	91		
student10	71	55	61		
student11	85	79	82		
student12	99	99	95		
student13	82	75	77		
student14	85	81	83		
student15	91	94	94		
student16	98	99	95		

Score Projection Report (class/section)

	Past Test Scores		Projection	Final Score	14/16=88%
Student	2012 Math 7 (500-800)	2013 Math 8 (119-403)	2014 Algebra I (0-100)	2014 Algebra I (0-100)	Goal Met (Y/N)
student01	94	89	92	94	Yes
student02	81	92	88	88	Yes
student03	65	76	71	79	Yes
student04	91	85	88	88	Yes
student05	95	90	91	94	Yes
student06	100	99	95	96	Yes
student07	93	83	89	88	No
student08	58	61	63	82	Yes
student09	90	95	91	94	Yes
student10	71	55	61	54	No
student11	85	79	82	88	Yes
student12	99	99	95	99	Yes
student13	82	75	77	81	Yes
student14	85	81	83	85	Yes
student15	91	94	94	94	Yes
student16	98	99	95	99	Yes

<p>Target(s)</p>	<p><i>What is the expected outcome (target) of students' level of knowledge of the learning content at the end of the instructional period?</i></p> <p>Based on the Nassau BOCES "SLO Longitudinal Report," [80%] of all students will meet or exceed their predicted target on the [English] Regents.</p> <div style="border: 1px solid black; background-color: yellow; padding: 5px; display: inline-block; margin: 10px;"> Enter the Target Percent aligned to the district HEDI Anchor Point for Effective such as 80% may be aligned to 13 HEDI points. </div> <div style="border: 1px solid black; background-color: yellow; padding: 5px; display: inline-block; margin: 10px; float: right;"> Summative Regents Exam </div>																																																																																	
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How can
our district
gain access
to this tool



Available as a separate
service for

\$150 per bldg.

Class/section (ELA)

Regents Predictive SLO Report by Course Section

District Name:
Staff:

Location Name:
Assessment: Regents ELA - Jun

Course	Section	Student ID	Student Name	Poverty	Challenge Type	LEP	SLO Score	Assessment - Score 1	Score 1	Assessment - Score 2	Score 2
1034	7	000000568		0	0	0	79	Regents Living Environment - Jun 2012	87	Regents Global History - Jun 2013	80
		000000656		0	0	0	72	Regents Living Environment - Jun 2012	79	Regents Global History - Jun 2013	67
		000000569		0	0	0	75	Regents Living Environment - Jun 2012	84	Regents Global History - Jun 2013	71
		000000570		1	0	0	75	Regents Living Environment - Jun 2012	84	Regents Global History - Jun 2013	80
		000056176		0	0	0	81	Regents Living Environment - Jun 2012	82	Regents Global History - Jun 2013	91
		000000575		0	0	0	87	Regents Living Environment - Jun 2012	95	Regents Global History - Jun 2013	94
		000000657		0	0	0	74	Regents Living Environment - Jun 2012	81	Regents Global History - Jun 2013	72
		000000591		0	0	0	87	Regents Living Environment - Jun 2012	94	Regents Global History - Jun 2013	96

Integrated Algebra	Math 7 Math 8	Math 6 Math 7	Math 8 Earth Science
Geometry	Math 8 Integrated Algebra	Math 7 Integrated Algebra	
Algebra II/ Trigonometry	Integrated Algebra Geometry		
ELA	Earth Science Global History	Living Environment Global History	
Global History	Living Environment Integrated Algebra	Living Environment Geometry	Earth Science Integrated Algebra
US History	Earth Science Global History	Living Environment Global History	
Earth Science	Math 8 Science 8	Science 8 Living Environment	Math 6 Math 7
Living Environment	Science 8 Earth Science	Science 8 ELA 8	
Chemistry	Earth Science Living Environment	Living Environment Earth Science	
Physics	Algebra II/Trig Chemistry	Chemistry Algebra II/Trig	

Global History has a 4th option: Earth Science & Geometry

Must have loaded
staff/student/course

in order to get the
Class/Section Report

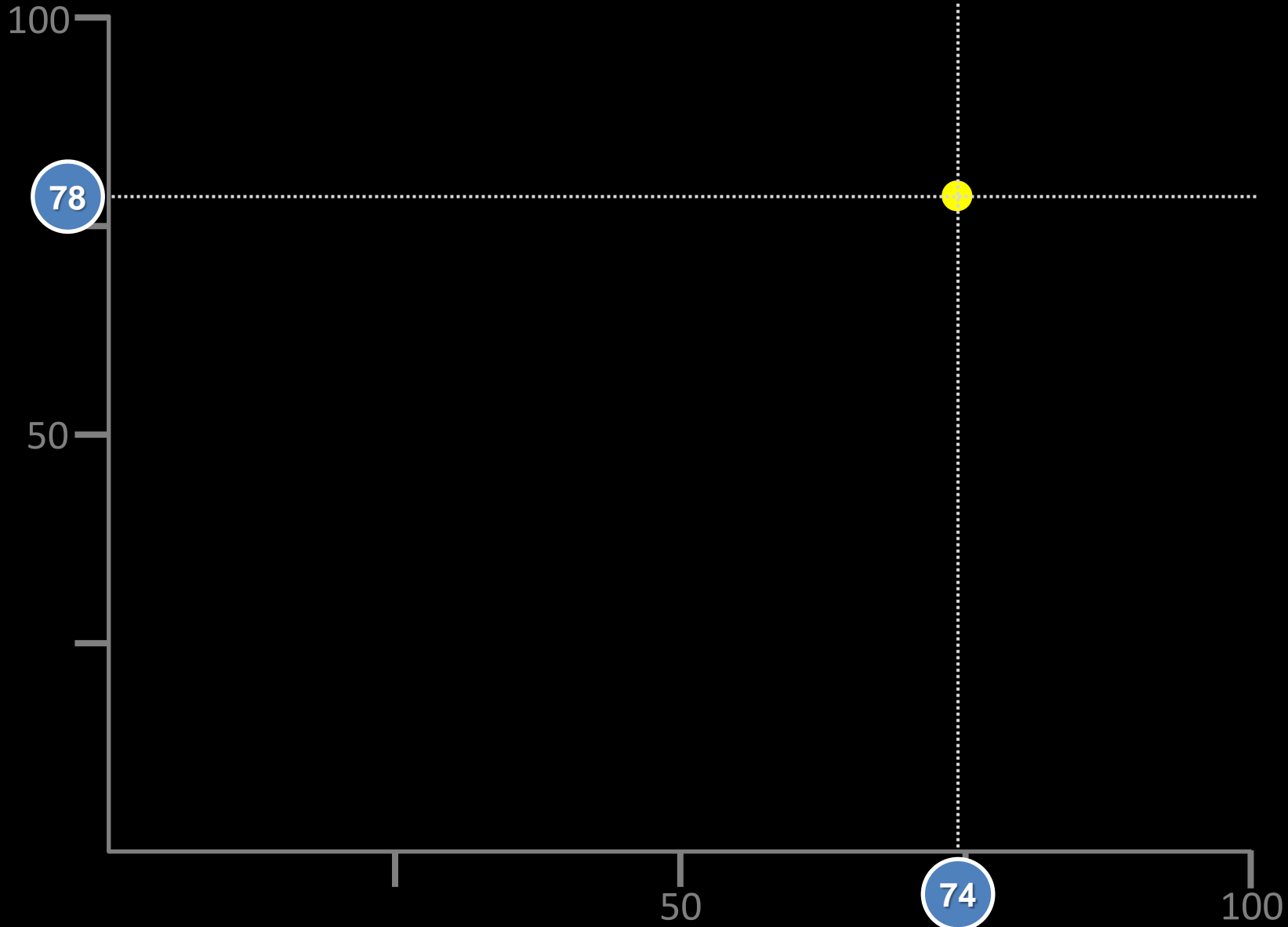
Data Extract Format

Field Name	Field Type
School Year	YYYY-DD-MM (2015-06-30)
District_Code	NY1406000
Student_ID (Local)	900000001
State Course Code	01800
Local Course Code	5700
Local Section Code	001
Teach ID	007000001
Course Location_ID	0001

How are
SLO goal
predictions
developed

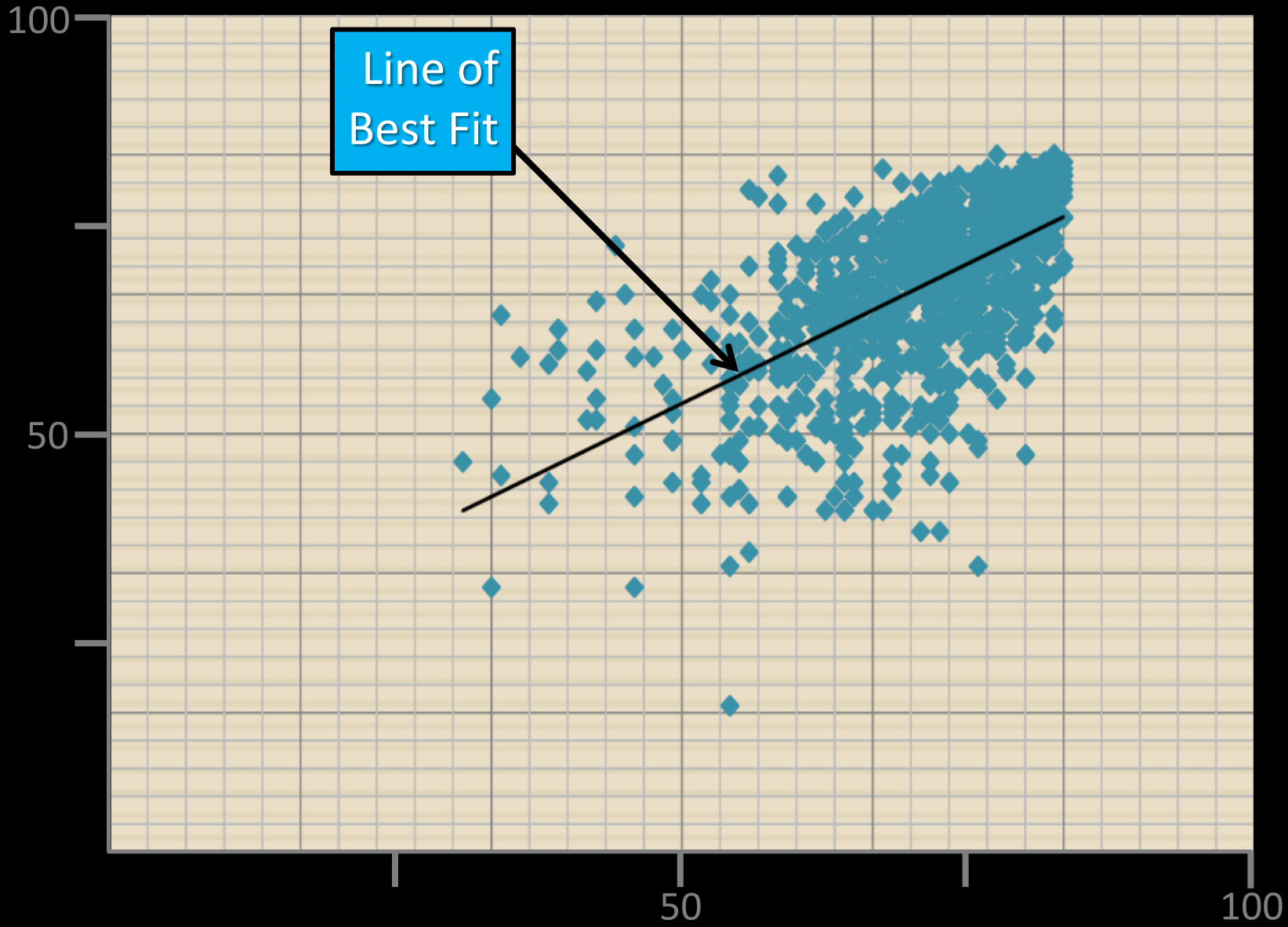


Score
Test # 2



Score Test #1

Score
Test # 2



Line of
Best Fit

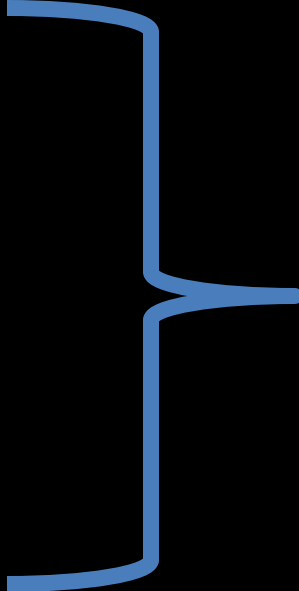
Score Test #1

Multiple Regression

involves the use of **more** than one factor to make a projection.

Math
7

Math
8



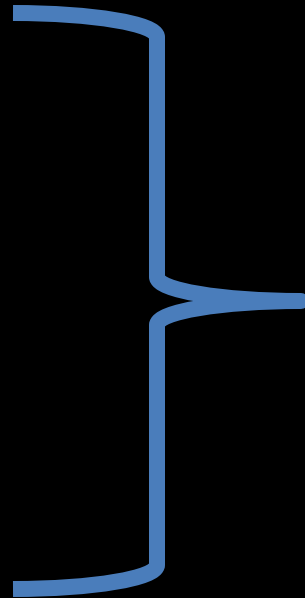
Grade 9

Algebra

Grade 8

Math
6

Math
7

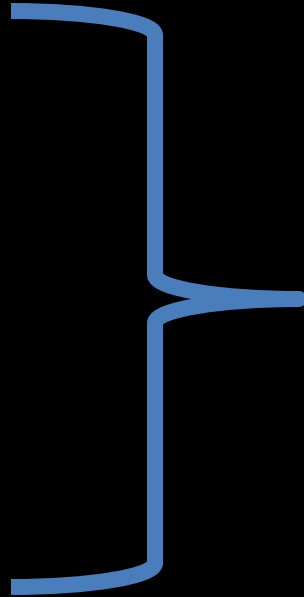


Algebra

Grade 10

Math
8

Earth
Sci



Algebra

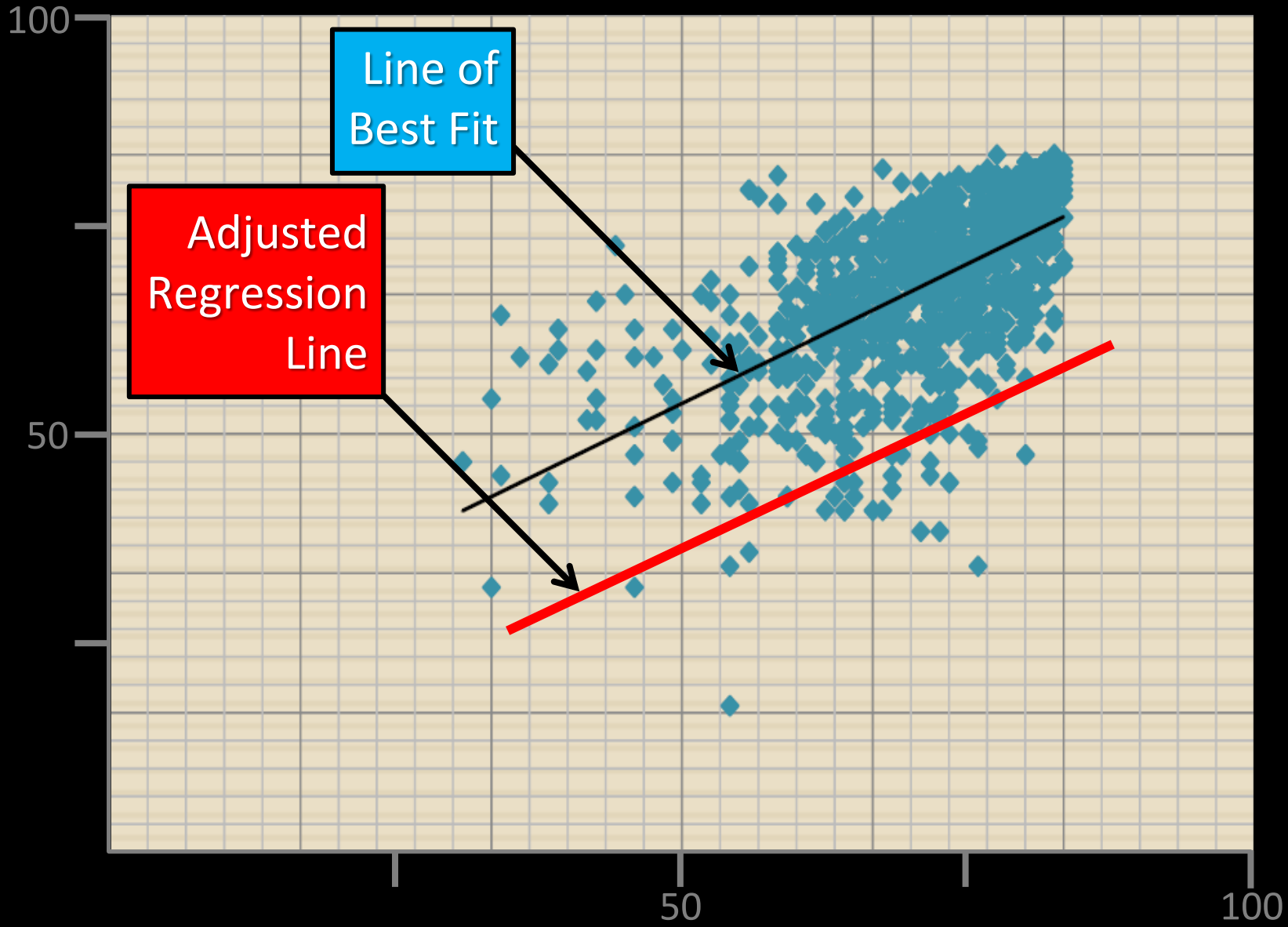
Math
8

Earth
Sci

Poverty
LEP
SpEd

Algebra

Score
Test # 2



Line of
Best Fit

Adjusted
Regression
Line

Score Test #1