

## General Education Assessment

All students' teachers who want to be certifying as a regular teacher have to take a State Test called "Certification Teacher Test" (PCMAS as we called it in Spanish). This test is prepared by College Board of Puerto Rico and Latin America, and is sponsor by the Department of Education.

The PCMAS consist of tree test; the Fundamental Knowledge and Communication Skills; Secondary Level Professional Test and Specialty Test for students who want their license in one of this areas : Spanish, Mathematic, Social Study or English.

The Fundamental Knowledge and Communication Skills measure the general knowledge that a student teacher must master. The test examines the following issues: the area of social science, humanities, natural science, mathematics, computer literacy, grammar and structure of the Spanish language, comprehension and analysis of reading in Spanish and English and writing.

We have taken 10 years College Board aggregates results of this test in order to present data about our Secondary Teacher Preparation Program (STPP) students' domain in general education areas.

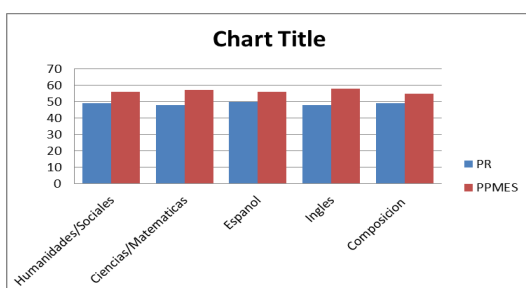
2004

Table1. and graph 1. show the average obtained by the total population taking the Fundamental Knowledge and Communication Skills Test and compared with the average obtained by the students of the STPP. (2004)

These averages are of a standardized scale that ranges from a minimum of 20 and a maximum of 80 points with a theoretical average of 50 point.

Table 1.

Sub content area	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Humanities/ Social Science	5974	49	9	217	56	9
Science/Math	5972	48	10	217	57	10
Spanish	5973	50	10	217	56	8
English	5962	48	14	317	58	13
Composition	5978	49	13	217	55	13



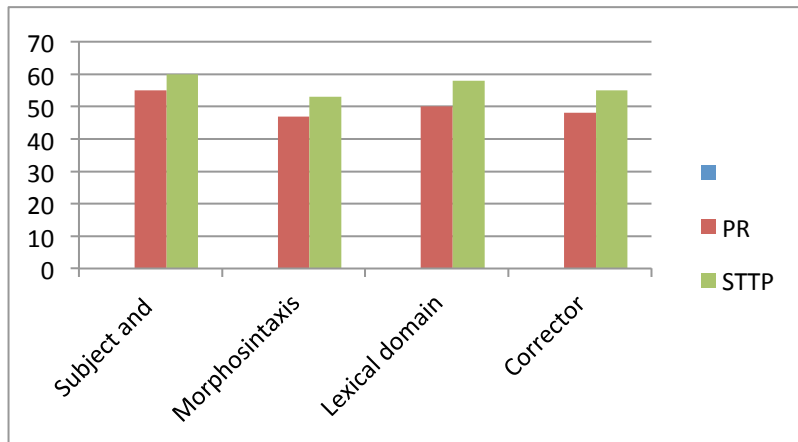
Graph 1.

2004

Table 2. shows averages and standard deviation from total examined population and those of the STPP in the sub-areas of writing component (2004).

Composition aspects evaluated	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Subject and Structure	5903	55	14	214	60	13
Domain of Morfosintactic structures	5903	47	14	214	53	13
Lexical domain	5903	50	14	214	58	14
Corrections	5903	48	14	214	55	12

Graph 2.

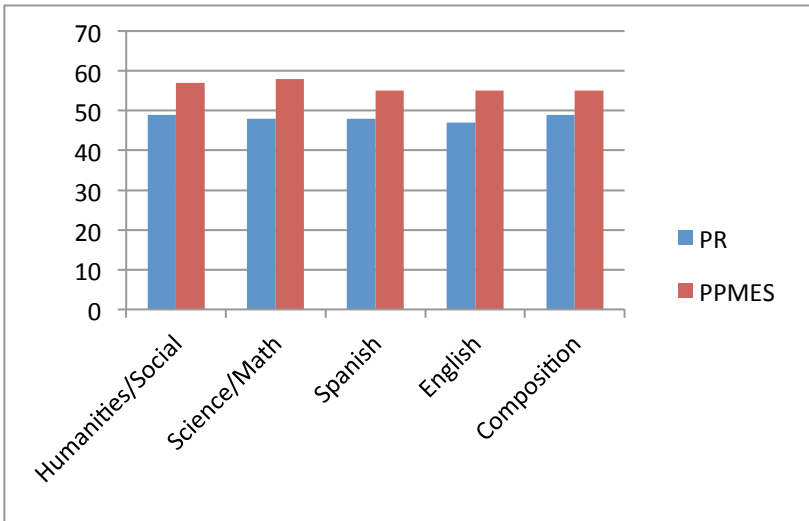


2005

Table 3. and graph 3. show the average obtained by the total population taking the Fundamental Knowledge and Communication Skills Test and compared with the average obtained by the students of the STPP. 2005

Sub content area	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Humanities/ Social Science	3730	49	9	170	57	8
Science/Math	3730	48	10	170	58	9
Spanish	3730	48	10	170	55	9
English	3726	47	12	170	55	12
Composition	3726	49	12	170	55	11

Graph 3.

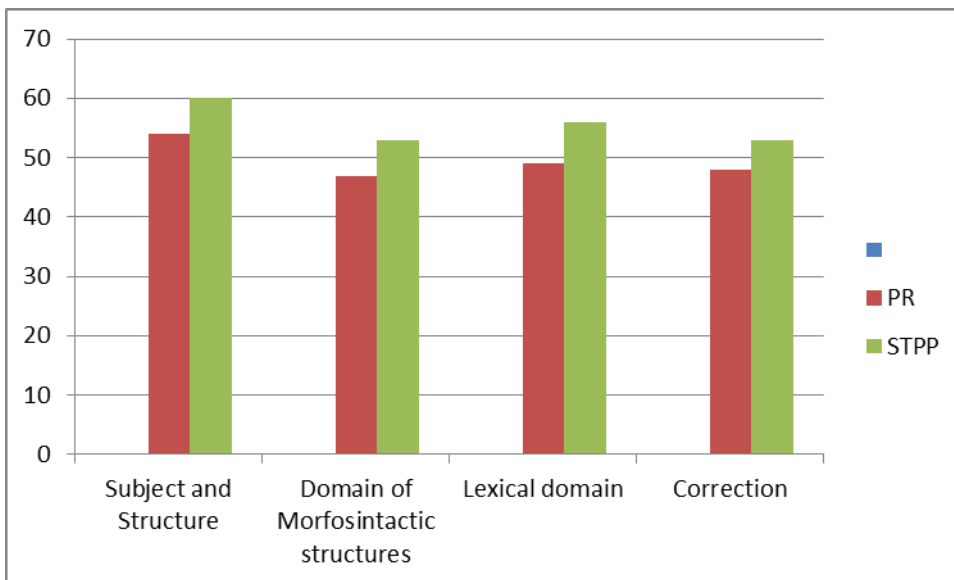


2005

Table 4. and graph 4. shows averages and standard deviation from total examined population and those of the STPP in the sub-areas of writing component (2005).

Composition aspects evaluated	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Subject and Structure	3726	54	15	170	60	14
Domain of Morfosintactic structures	3726	47	14	170	53	12
Lexical domain	3726	49	15	170	56	13
Corrections	3726	48	14	170	53	13

Graph 4.



2006

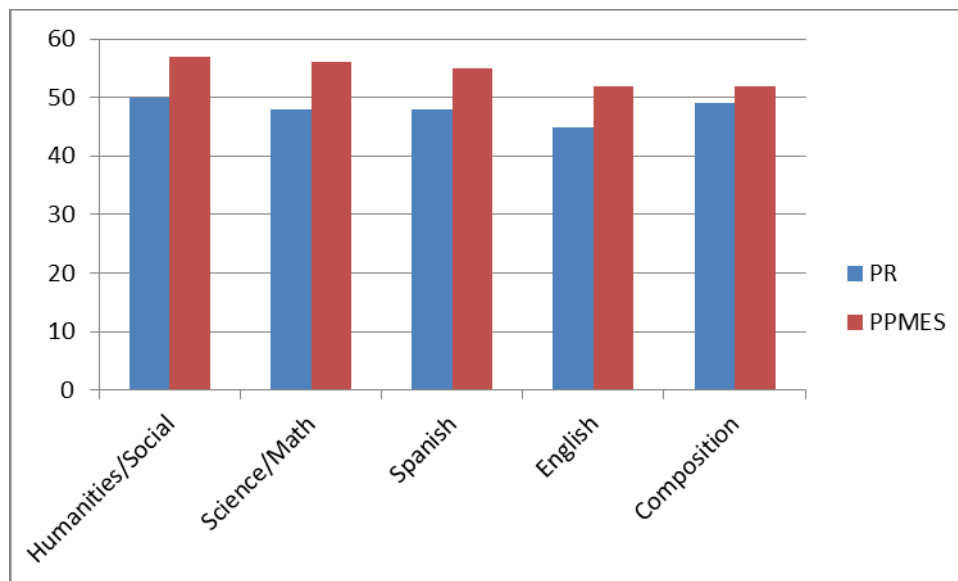
Table 5. and graph 5. show the average obtained by the total population taking the Fundamental Knowledge and Communication Skills Test and compared with the average obtained by the students of the STPP. 2006

These averages are of a standardized scale that ranges from a minimum of 20 and a maximum of 80 points with a theoretical average of 50 point.

Table 5.

Sub content area	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Humanities/Social Science	3971	50	9	144	57	9
Science/Math	3970	48	9	144	56	8
Spanish	3971	48	9	144	55	9
English	3960	45	12	144	52	13
Composition	3961	49	12	144	52	12

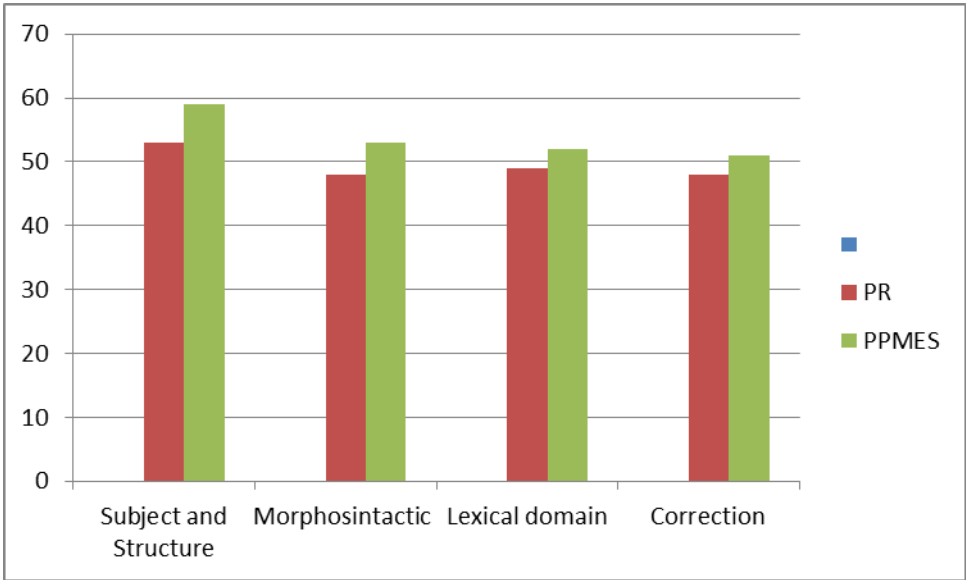
Graph 5.



**Table 6. and graph 6. shows averages and standard deviation from total examined population and those of the PPMES in the sub-areas of writing component (2006).**

Composition aspects evaluated	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Subject and Structure	3959	53	15	144	59	14
Domain of Morfosintactic structures	3959	48	15	144	53	15
Lexical domain	3959	49	14	144	52	15
Corrections	3959	48	15	144	51	14

Graph 6.



2007

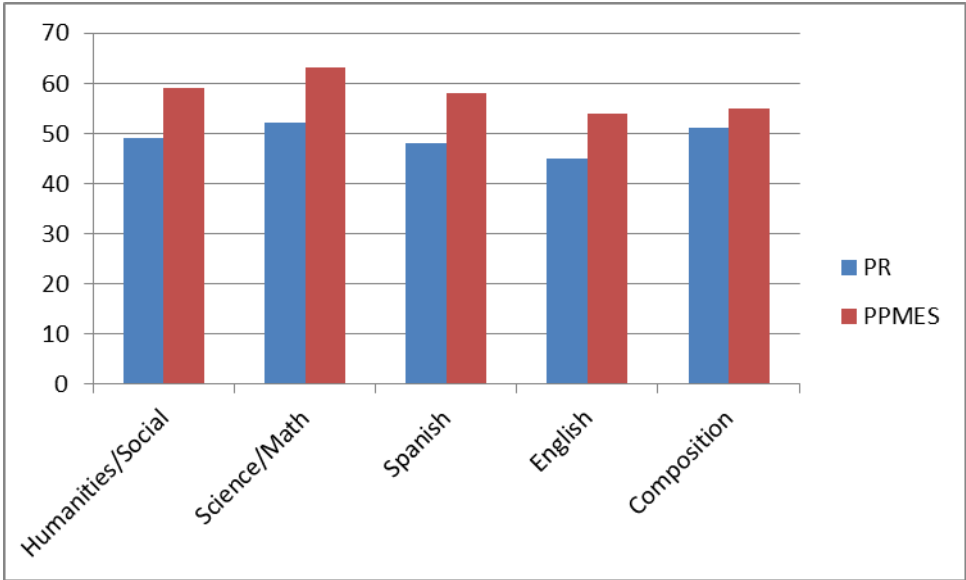
Table 7. and graph 7. show the average obtained by the total population taking the Fundamental Knowledge and Communication Skills Test and compared with the average obtained by the students of the STPP. 2007

These averages are of a standardized scale that ranges from a minimum of 20 and a maximum of 80 points with a theoretical average of 50 point.

Table 7

Sub content area	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Humanities/ Social Science	4690	49	9	61	59	10
Science/Math	4690	52	10	61	63	10
Spanish	4690	48	10	61	58	8
English	4690	45	13	61	54	12
Composition	4619	51	14	59	55	13

Graph 7.

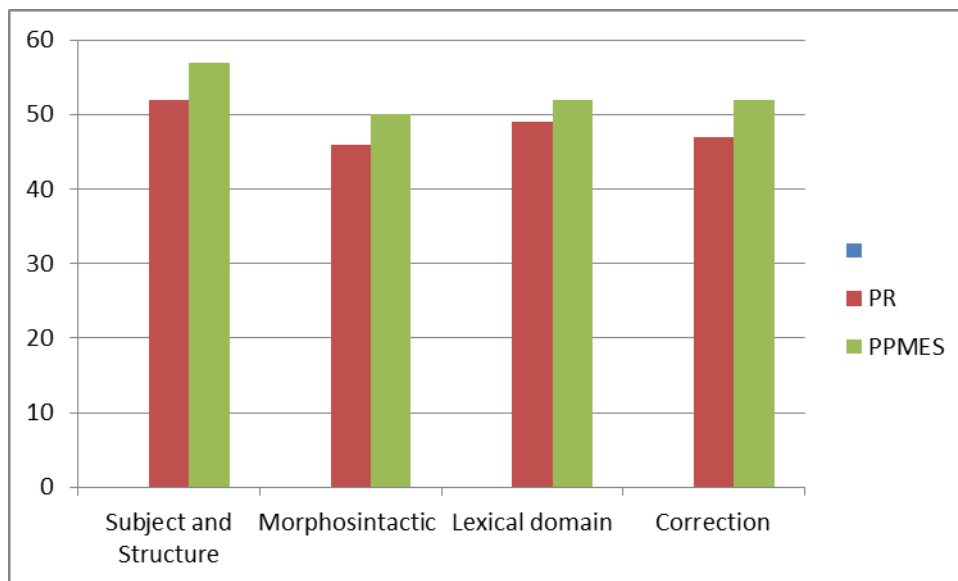


2007

Table 8. and graph 8. shows averages and standard deviation from total examined population and those of the PPMES in the sub-areas of writing component (2007).

Composition aspects evaluated	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Subject and Structure	4684	52	17	61	57	17
Domain of Morfosintactic structures	4684	46	16	61	50	14
Lexical domain	4684	49	15	61	52	14
Corrections	4684	47	16	61	52	17

Graph 8.





2008

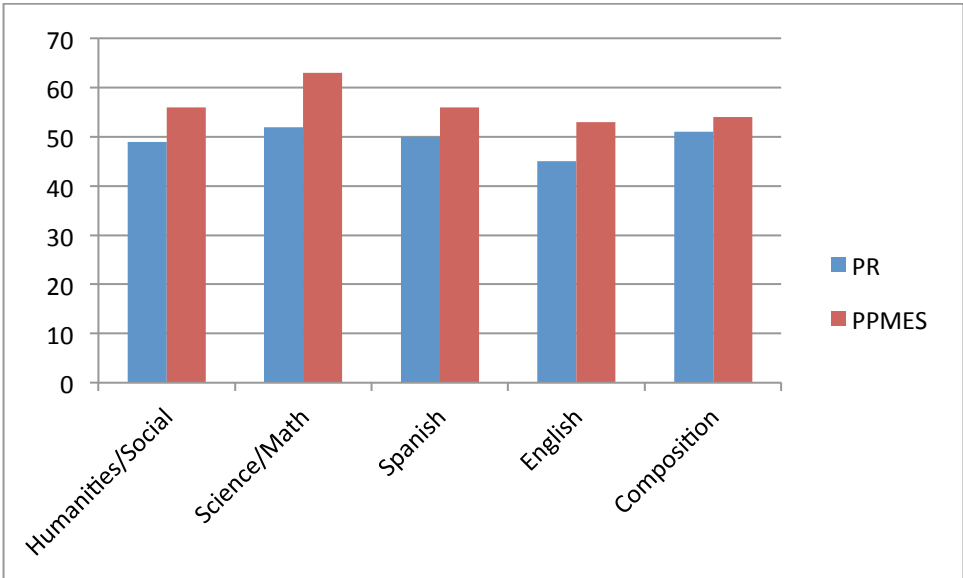
Table 9. and graph 9. show the average obtained by the total population taking the Fundamental Knowledge and Communication Skills Test and compared with the average obtained by the students of the STPP. 2008

These averages are of a standardized scale that ranges from a minimum of 20 and a maximum of 80 points with a theoretical average of 50 point.

Table 9.

Sub content area	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Humanities/ Social Science	4322	49	9	120	56	9
Science/Math	4322	52	9	120	63	9
Spanish	4322	50	10	120	56	10
English	4322	45	13	120	53	13
Composition	4320	51	12	120	54	14

Graph 9.

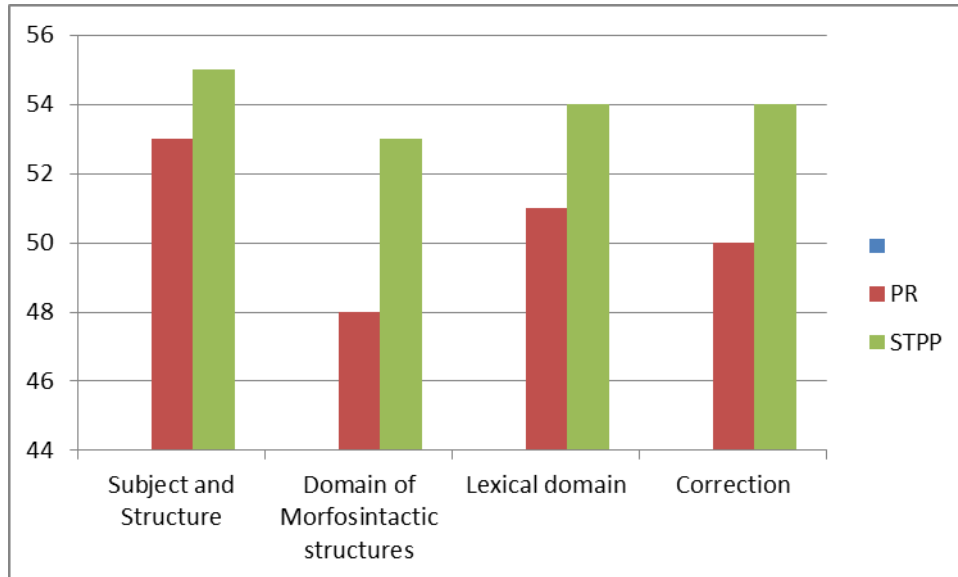


2008

**Table 10.** and **graph 10.** shows averages and standard deviation from total examined population and those of the PPMES in the sub-areas of writing component (2008).

Composition aspects evaluated	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
<b>Subject and Structure</b>	<b>4320</b>	<b>53</b>	<b>15</b>	<b>120</b>	<b>55</b>	<b>17</b>
<b>Domain of Morfosyntactic structures</b>	4320	<b>48</b>	<b>14</b>	<b>120</b>	<b>53</b>	<b>15</b>
<b>Lexical domain</b>	4320	<b>51</b>	<b>15</b>	<b>120</b>	<b>54</b>	<b>17</b>
<b>Corrections</b>	4320	<b>50</b>	<b>16</b>	<b>120</b>	<b>54</b>	<b>16</b>

Graph 10.



2009

Single-Assessment Level Pass-Rate Data Academic Years 2009-2010

Table 11. Number of Program Completers: 33

Type of Assessment	No. of Students taking Assessment	No. of students passing assessment	Institution Pass Rate	Statewide Pass Rate
Fundamental Knowledge and Communications Competencies	33	31	31/33=94%	85%

2010

Table 12. and graph 11. show the average obtained by the total population taking the Fundamental Knowledge and Communication Skills Test and compared with the average obtained by the students of the STPP. 2010

These averages are of a standardized scale that ranges from a minimum of 20 and a maximum of 80 points with a theoretical average of 50 point.

Table 12.

Sub content area	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Humanities/ Social Science	3161	50	9	95	54	8
Science/Math	3161	49	9	95	57	10
Spanish	3161	48	9	95	52	9
English	3161	48	13	95	53	12
Composition	3161	52	11	95	56	12

Graph 11.

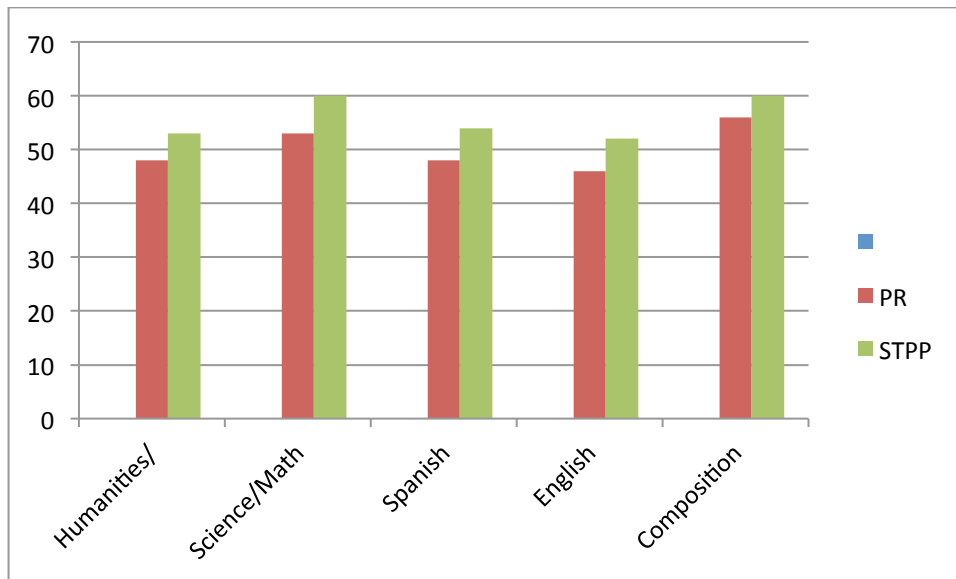
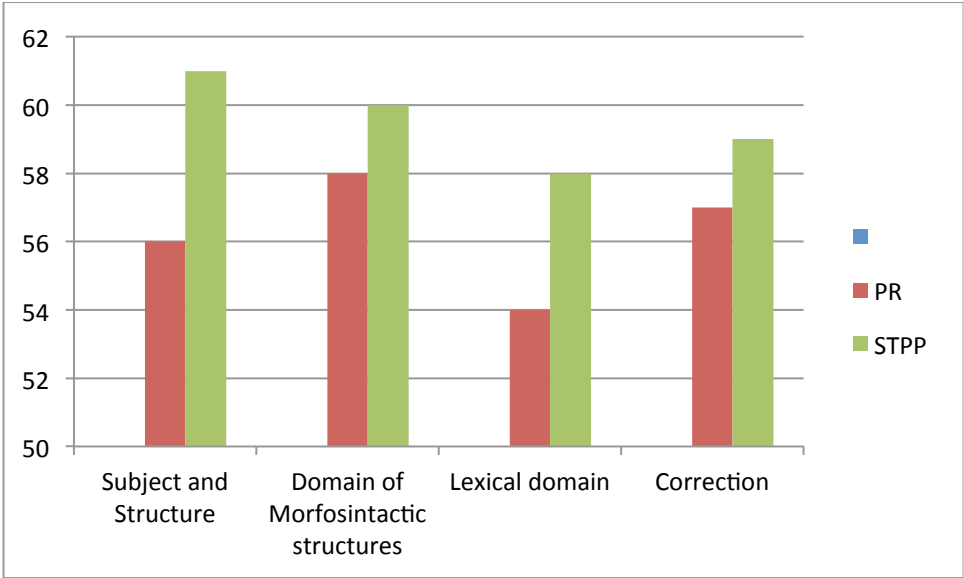


Table 13. and graph 12. shows averages and standard deviation from total examined population and those of the PPMES in the sub-areas of writing component (2010).

Composition aspects evaluated	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
<b>Subject and Structure</b>	<b>3161</b>	<b>57</b>	<b>13</b>	<b>95</b>	<b>61</b>	<b>14</b>
<b>Domain of Morfosyntactic structures</b>	3161	<b>51</b>	<b>12</b>	95	<b>53</b>	<b>13</b>
<b>Lexical domain</b>	3161	<b>52</b>	<b>13</b>	95	<b>55</b>	<b>14</b>
<b>Corrections</b>	3161	<b>52</b>	<b>13</b>	95	<b>55</b>	<b>14</b>

Graph 12.



2011

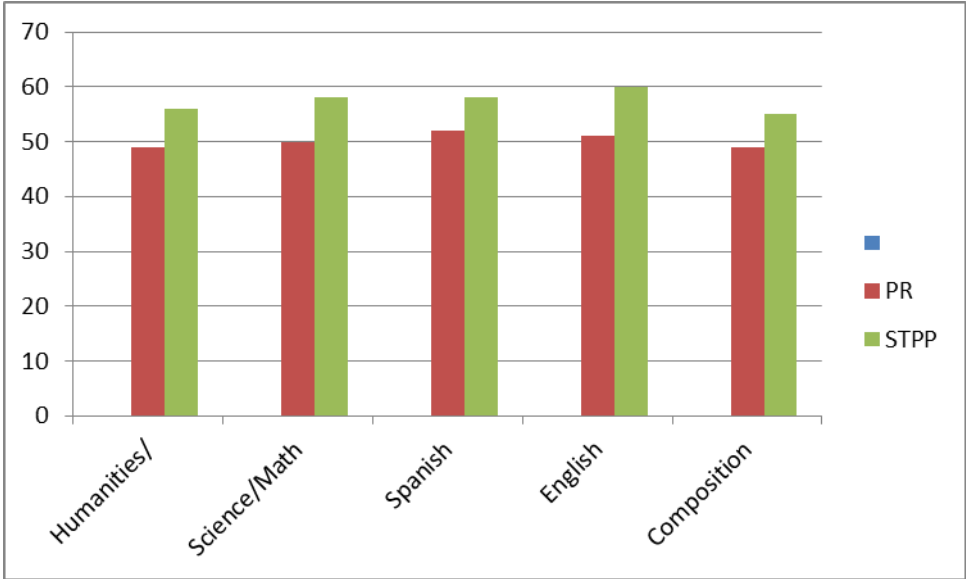
Table 14. and graph 13. show the average obtained by the total population taking the Fundamental Knowledge and Communication Skills Test and compared with the average obtained by the students of the STPP. 2011

These averages are of a standardized scale that ranges from a minimum of 20 and a maximum of 80 points with a theoretical average of 50 point.

Table 14.

Sub content area	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Humanities/ Social Science	2966	49	9	81	56	9
Science/Math	2966	50	10	81	58	10
Spanish	2966	52	9	81	58	9
English	2966	51	14	81	60	14
Composition	2966	49	11	81	55	13

Graph 13.

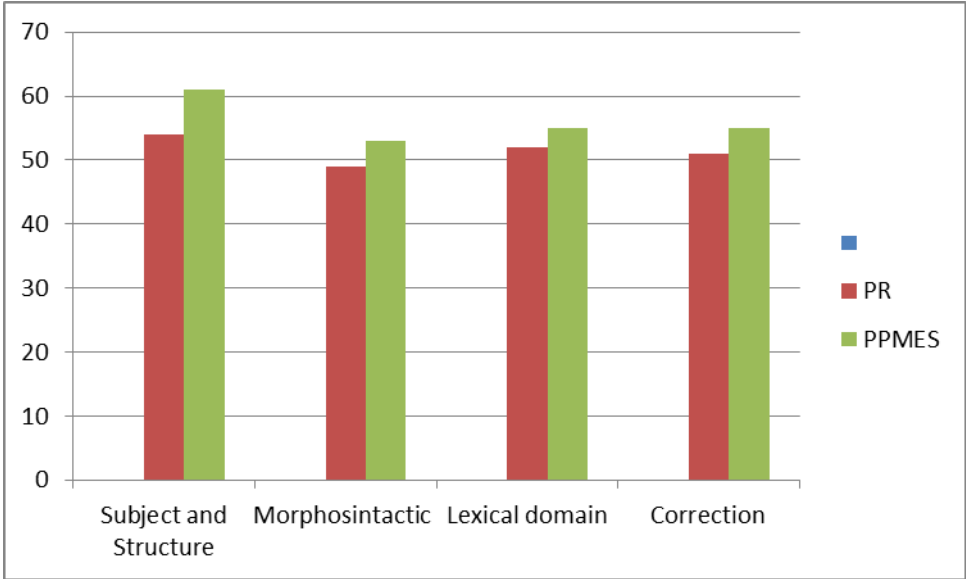


2011

Table 15. and graph 14. shows averages and standard deviation from total examined population and those of the PPMES in the sub-areas of writing component (2011).

Composition aspects evaluated	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Subject and Structure	2966	54	12	81	59	12
Domain of Morfosyntactic structures	2966	49	12	81	53	13
Lexical domain	2966	52	12	81	58	13
Corrections	2966	51	12	81	57	14

Graph 14.



2012

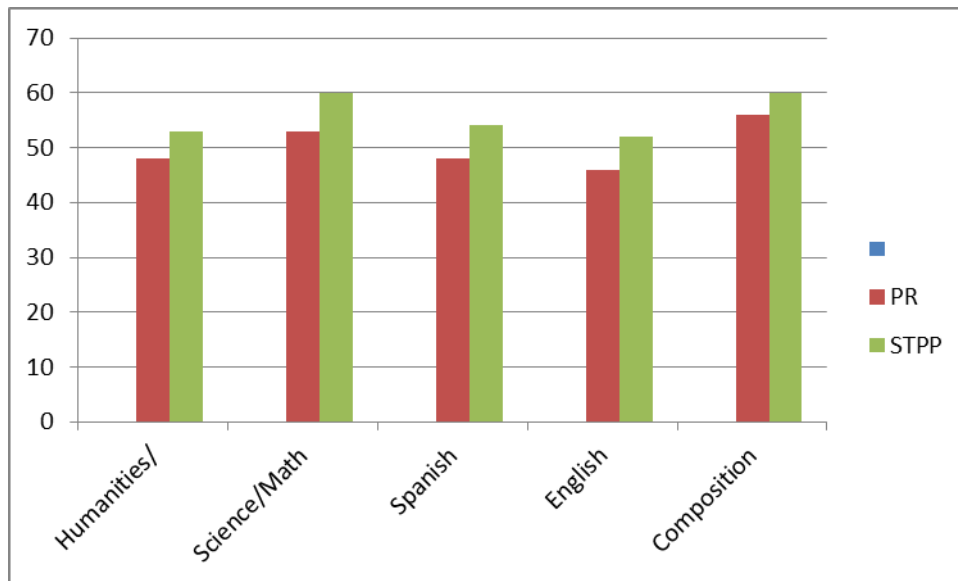
Table 16. and graph 15. show the average obtained by the total population taking the Fundamental Knowledge and Communication Skills Test and compared with the average obtained by the students of the STPP. 2012

These averages are of a standardized scale that ranges from a minimum of 20 and a maximum of 80 points with a theoretical average of 50 point.

Table 16.

Sub content area	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Humanities/ Social Science	2889	48	9	88	53	10
Science/Math	2889	53	9	88	60	10
Spanish	2889	48	9	88	54	9
English	2889	46	12	88	52	11
Composition	2888	56	12	88	60	12

Graph 15.



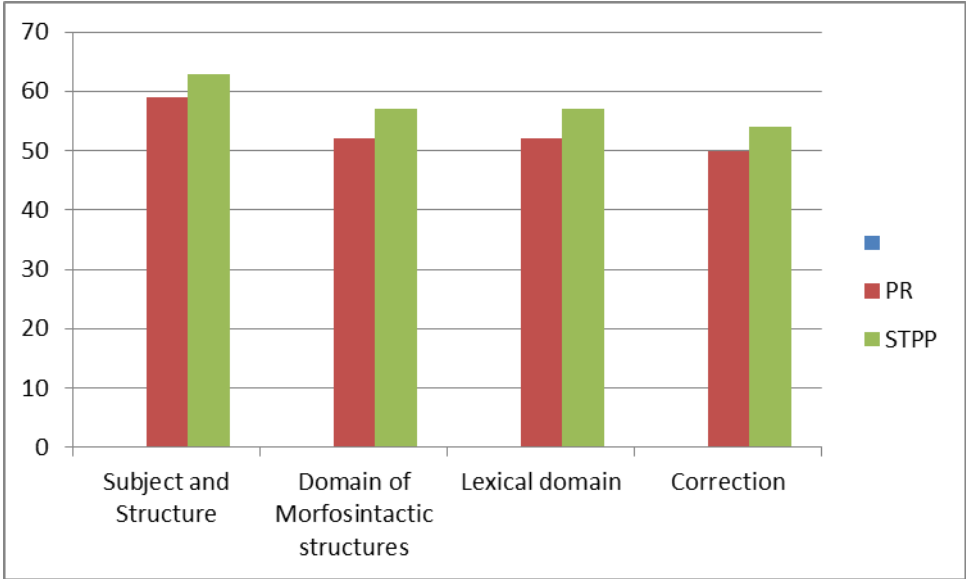
2012

Table 17. and graph 16. shows averages and standard deviation from total examined population and those of the PPMES in the sub-areas of writing component (2012).

Composition aspects evaluated	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Subject and Structure	2888	59	16	88	63	15
Domain of Morfosyntactic structures	2888	52	14	88	57	15
Lexical domain	2888	52	14	88	57	14
Corrections	2888	50	14	88	54	13



Graph 16.



2013

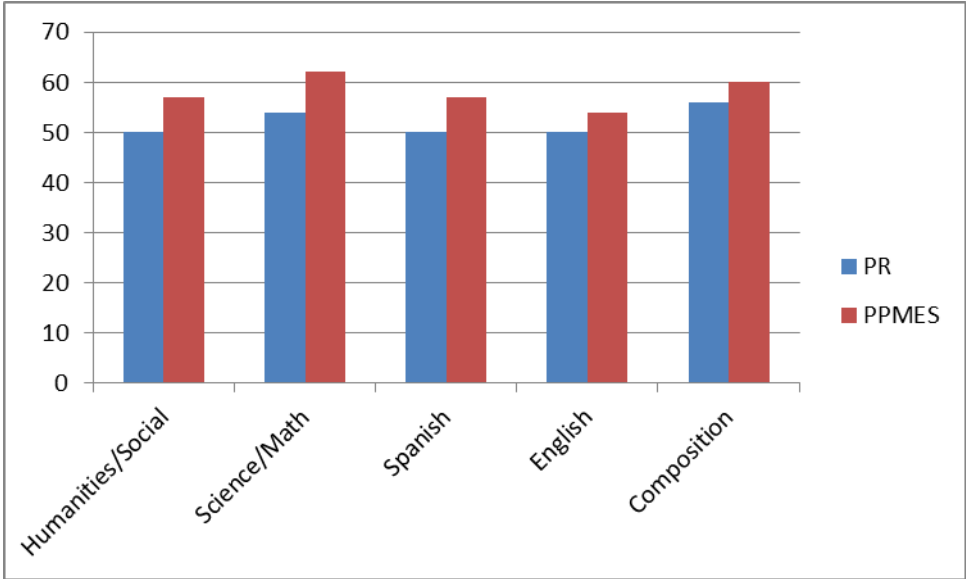
Table 18. and graph 17. show the average obtained by the total population taking the Fundamental Knowledge and Communication Skills Test and compared with the average obtained by the students of the STPP. 2013

These averages are of a standardized scale that ranges from a minimum of 20 and a maximum of 80 points with a theoretical average of 50 point.

Table 18.

Sub content area	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Humanities/ Social Science	2506	50	9	126	57	8
Science/Math	2506	54	10	126	62	10
Spanish	2506	50	10	126	57	8
English	2506	47	13	126	54	12
Composition	2506	56	13	126	60	13

Graph 17.

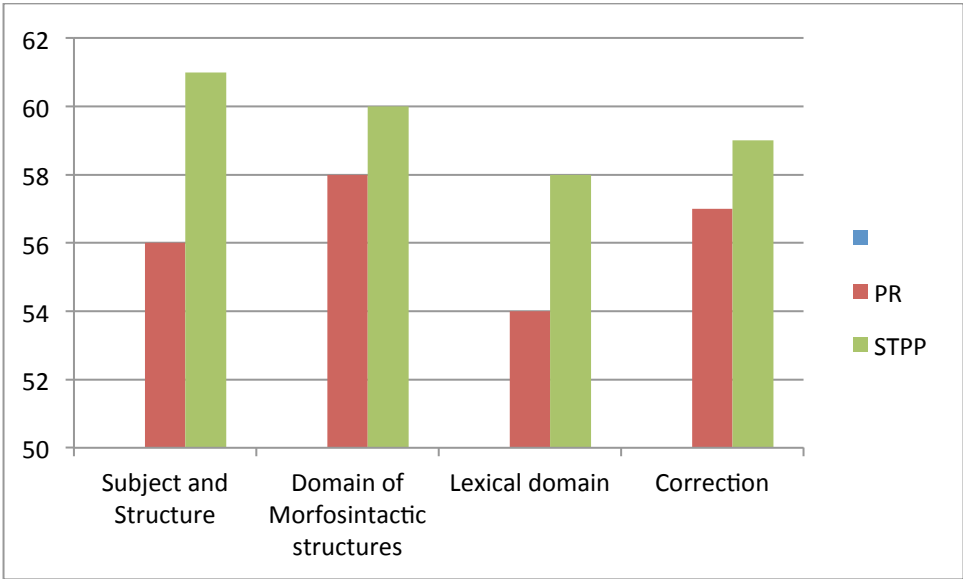


2013

Table 19. and graph 18. shows averages and standard deviation from total examined population and those of the PPMES in the sub-areas of writing component (2013).

Composition aspects evaluated	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Subject and Structure	2505	56	17	126	61	16
Domain of Morfosyntactic structures	2505	58	14	126	60	16
Lexical domain	2505	54	13	126	58	12
Corrections	2505	57	16	126	59	16

Graph 18.



2014

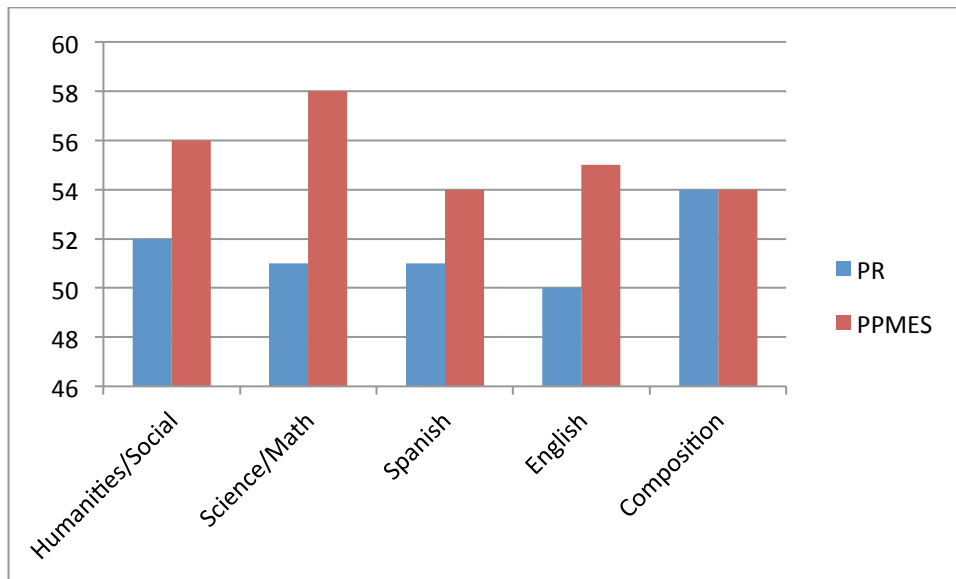
Table 20. and graph 19. show the average obtained by the total population taking the Fundamental Knowledge and Communication Skills Test and compared with the average obtained by the students of the STPP. 2014

These averages are of a standardized scale that ranges from a minimum of 20 and a maximum of 80 points with a theoretical average of 50 point.

Table 20.

Sub content area	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Humanities/ Social Science	2216	52	9	111	56	9
Science/Math	2216	51	10	111	58	9
Spanish	2216	51	9	111	54	8
English	2216	50	11	111	55	11
Composition	2216	54	12	111	54	11

Graph 19.

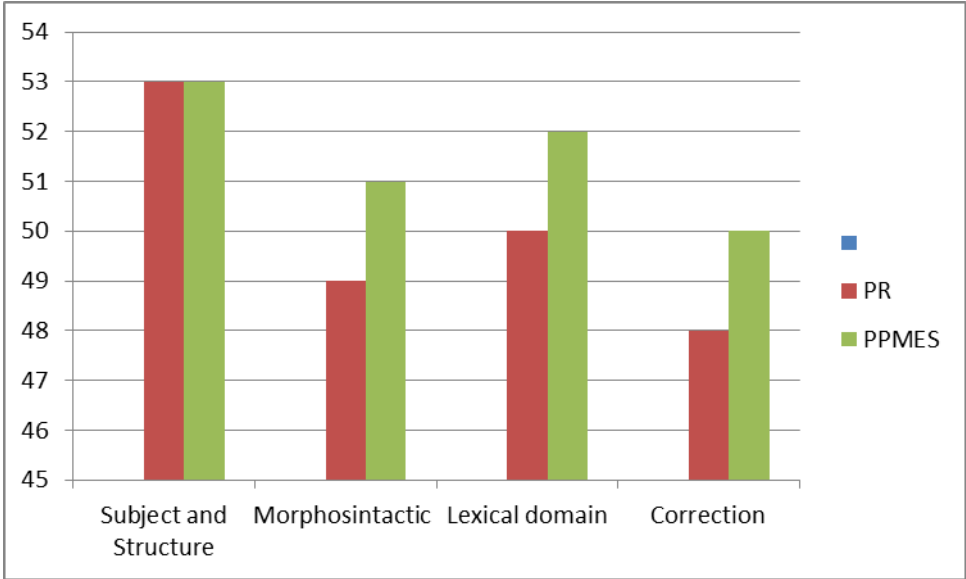


2014

Table 21. and graph 20. shows averages and standard deviation from total examined population and those of the PPMES in the sub-areas of writing component (2014).

Composition aspects evaluated	Total examined population			Total STPP-RUM examined population		
	Total of candidates	Average	Standard Deviation	N	Average	Standard Deviation
Subject and Structure	2216	53	16	111	53	14
Domain of Morfosyntactic structures	2216	49	15	111	51	15
Lexical domain	2216	50	12	111	52	12
Corrections	2216	48	16	111	50	17

Graph 20.



Data Analysis

From the analysis of the data presented we can infer that the STPP of the University of Puerto Rico, Mayaguez Campus students have gained in the last ten years better averages than the total population evaluated in all subjects of the component of general education in the Teacher Certification Test (PCMAS).