

Competence Oriented Methodologies For R&D In Social and Educational Sciences

NEED ANALYSIS REPORT

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CORE PROJECT

OUTPUT 1

NEED ANALYSIS REPORT

The need analysis in the CORE Project aimed to find what kind of training programs first stage and recognized researchers in the fields of Social and Educational Sciences need academically. In order to achieve this aim it is decided to prepare a Need Analysis form. To prepare the form we, as the Turkish team from the İstanbul Sabahattin Zaim University, conducted semi-structured interviews with 25 people from the target group of the project. 9 of the people we interviewed were doctoral students, 14 were research assistants and 2 were graduate students. During the interviews, we asked three questions to the participants. Those questions were:

- In which academic aspects did you have difficulties during your education?
- What kind of training/s did you realize that you needed in your education?
- What kind of training/s would you like to take right now? Why?

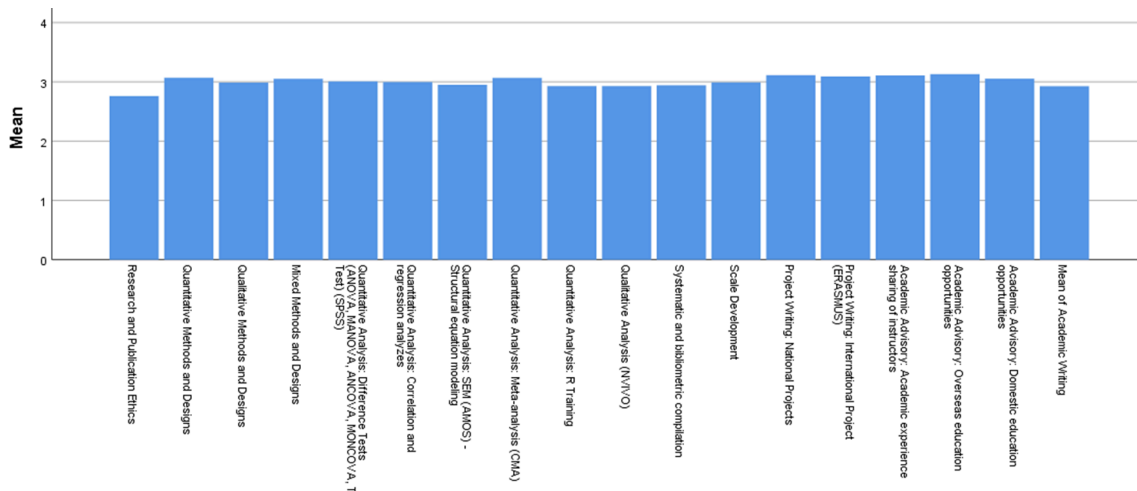
We recorded all the interviews. And then we transcribed the audio recordings taken. After all the interviews were completed, we picked all the training names that the participants mentioned in the interviews and created the first version of the Needs Analysis Form. The first version of the Needs Analysis Form included mainly three parts: information part, demographic information part and need analysis part. In the demographic information part we asked participants' age, gender, occupation, level of education and their department of education. With those questions we aimed to be sure that we reached out specifically to the target group. In the need analysis part we gave the names of 29 different training programs and we wanted participants to rate how much they need the training programs presented in the form on the scale of 0-3. On the scale 0 meant "I do not need this training.", 1 meant "I slightly need this training.", 2 meant "I moderately need this training." and 3 meant "I extremely need this training."

After the conclusion of the first version of Need Analysis, we shared the form with our partners and wanted their feedback for the form. With their feedback the last version of the Need Analysis is concluded. In this last version the training number in the form was reduced to 26 and the scale of 0-3 turned into 1 to 4. With the conclusion of the Need Analysis Form, we as all the partners in the project started to collect data from 5 different countries, Turkey, Romania, Serbia, Portugal and Bulgaria. Each partner was aimed to reach at least 90 participants from their country. Thus, in total the aimed number of participants was

450 in the project, and at the end of the data collection process 553 individuals from 5 countries participated in the Need Analysis. All the data combined and analyzed by us, İstanbul Sabahattin Zaim University, as the primary responsible partner of the Output 1.

In order to summarize and organize the data easier we shared a table (Appendix 3) with our participants. After receiving all the data, we combined it for the analysis on SPSS 26 Program (Appendix 3). Because our focus was to determine what kind of training programs researchers needed the most, we analyzed the data descriptively. At the end of the analysis we found the result as the table below:

Table 1: The result from all the data



As it can be seen from the Table 1 all of the training programs were scored above 2 and near 3 which means all the training programs were scored as “I moderately need this training.” Also, as it is in the Table 1, there was not a significant difference between the items in terms of scoring. In addition to this there was no training program which was seen as unneeded. For further analysis we also decided to look at the data based on the countries.

Table 2: Bulgaria for all the items.

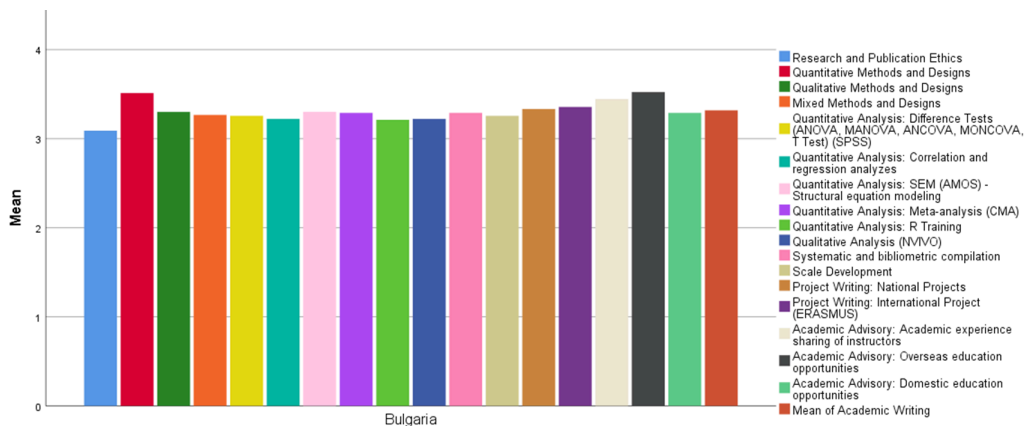


Table 3: Türkiye- İZÜ for all the items.

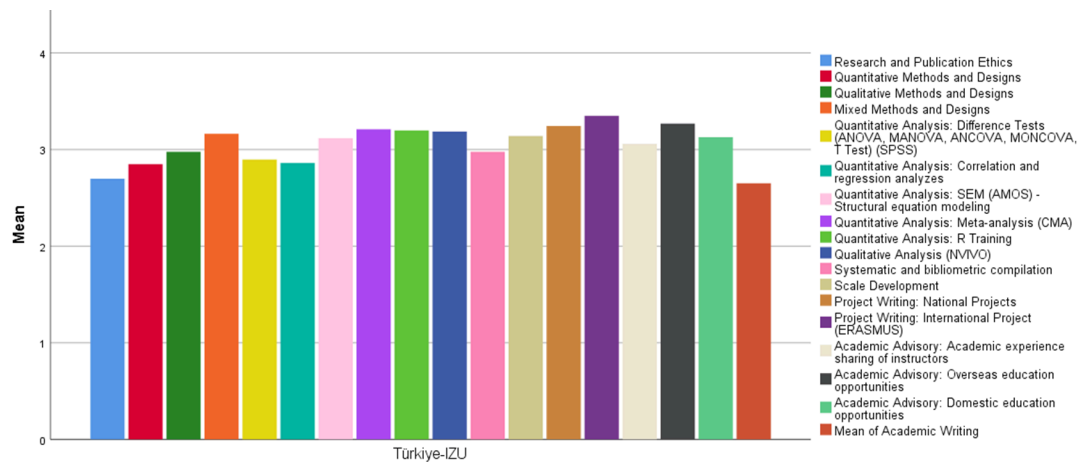


Table 4: Türkiye- SinG-DER for all the items.

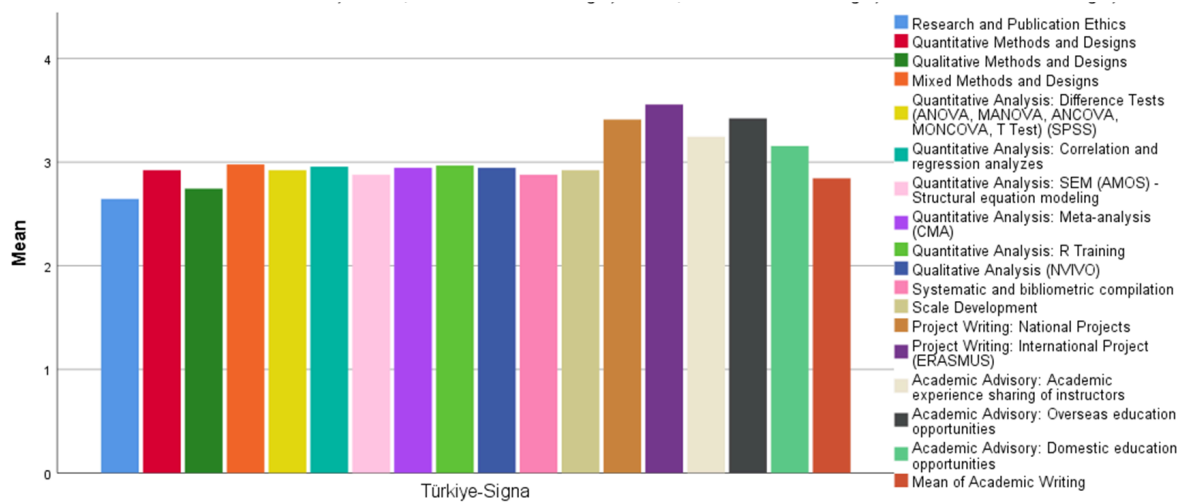


Table 5: Romania for all the items.

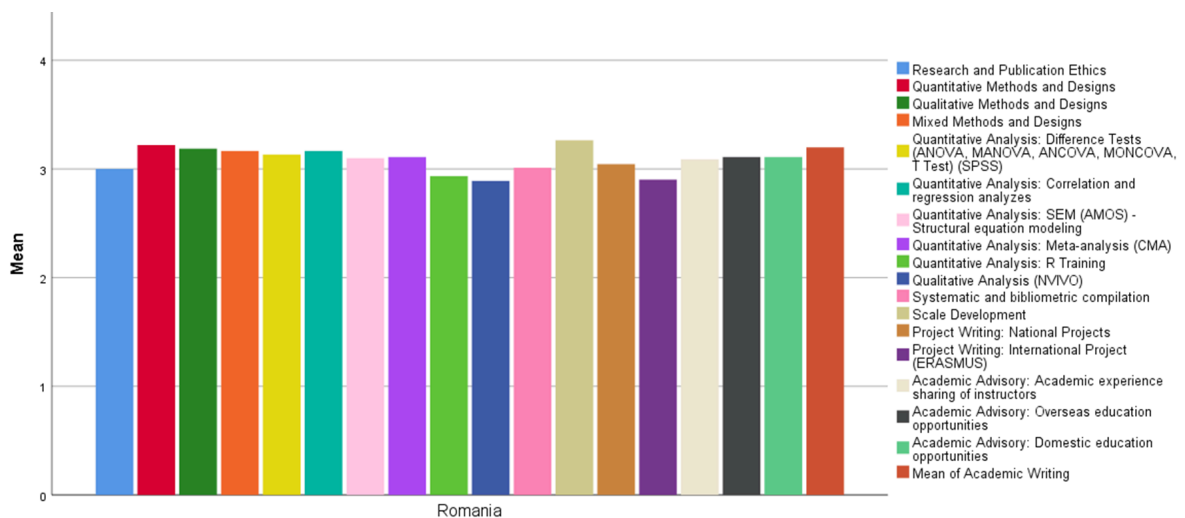


Table 6: *Sirbia for all the items.*

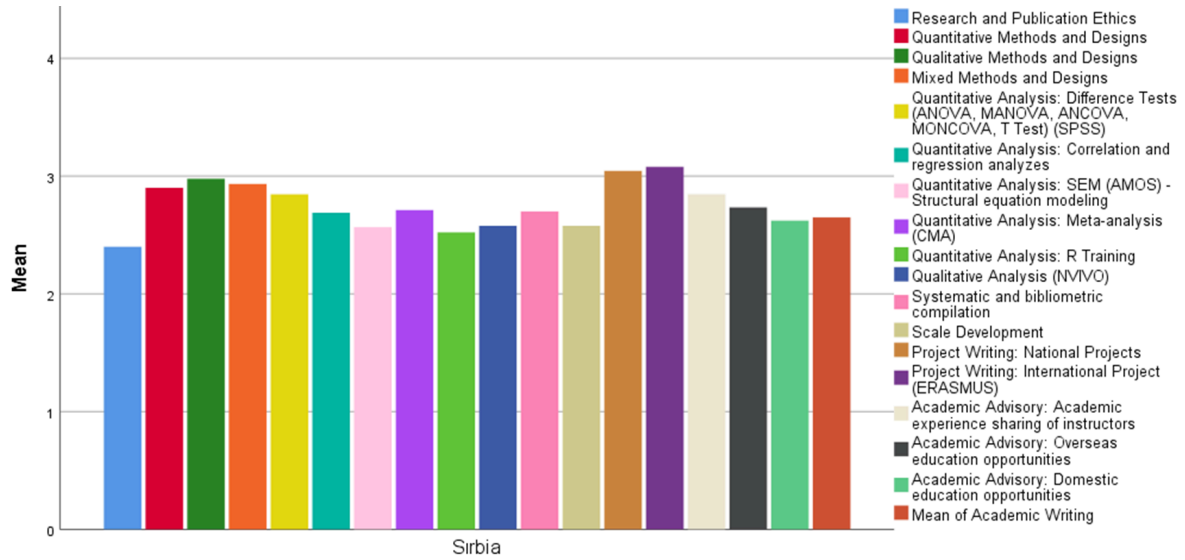


Table 7: *Portugal for all the items.*

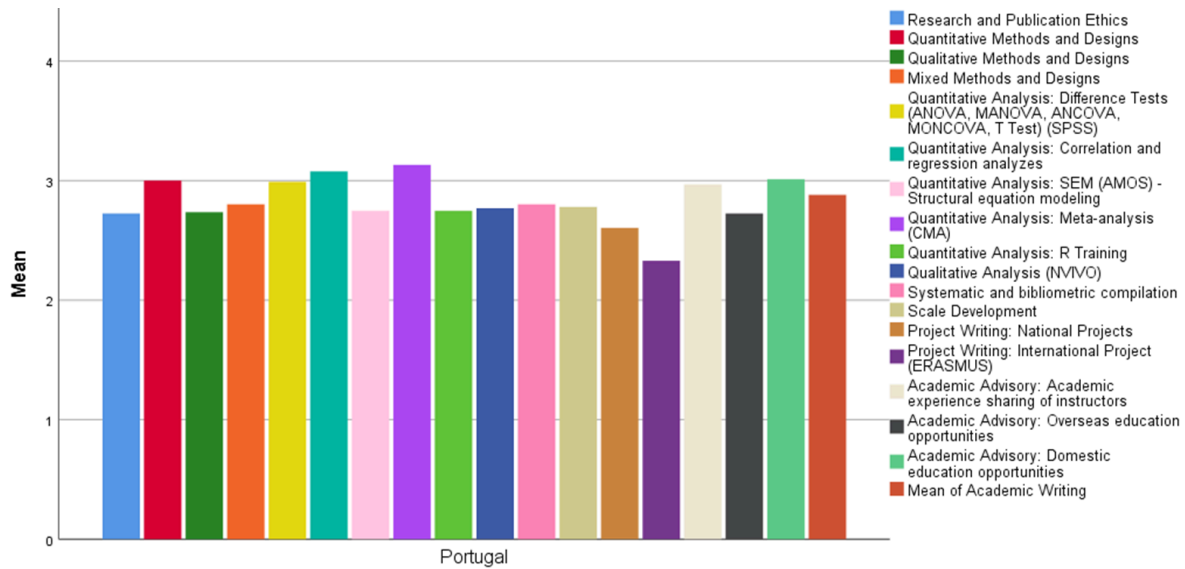
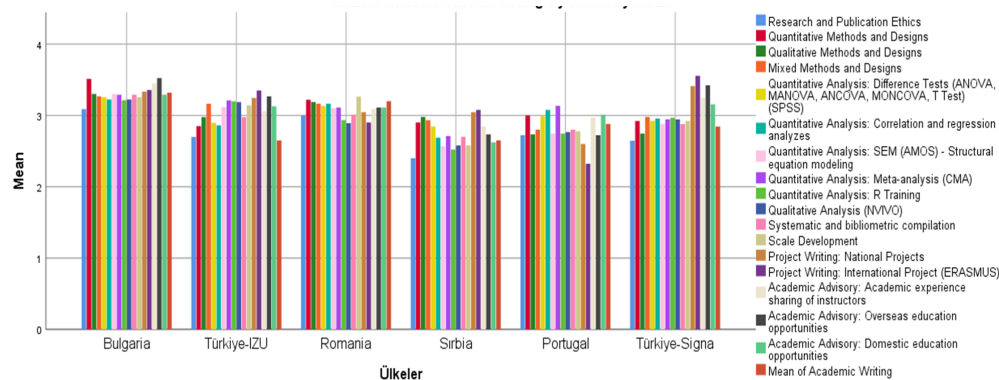


Table 8: *All of the countries item by item.*



For further analysis, each item was compared on a country-by-country basis.

Table 9: *Research and Publication Ethics*



Table 10: *Quantitative Methods and Designs*

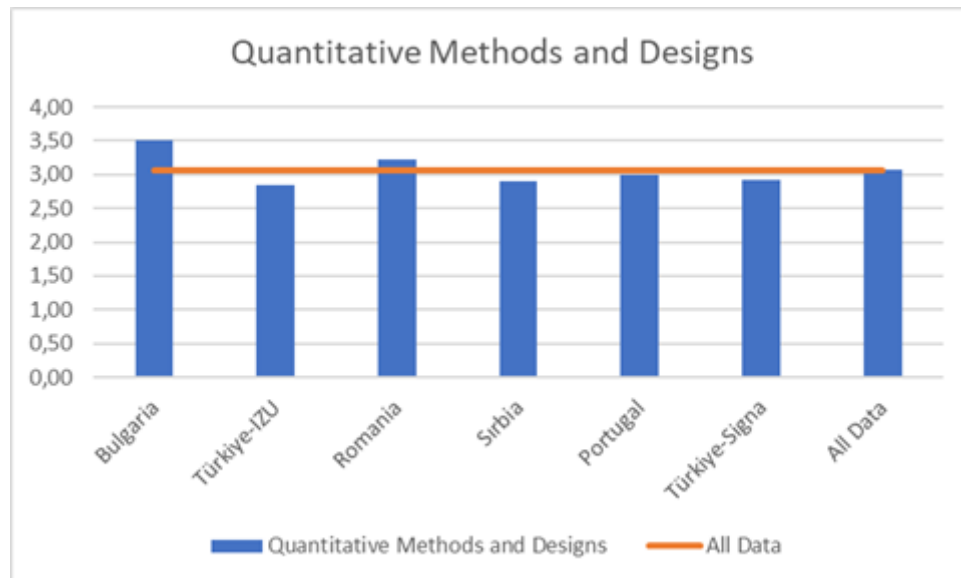


Table 11: *Qualitative Methods and Designs*

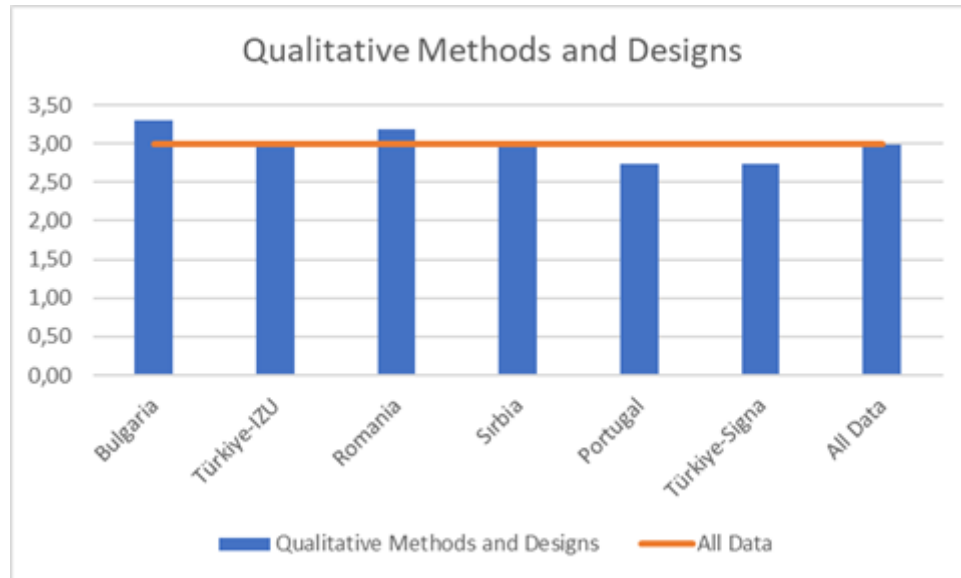


Table 12: *Mixed Methods and Designs*

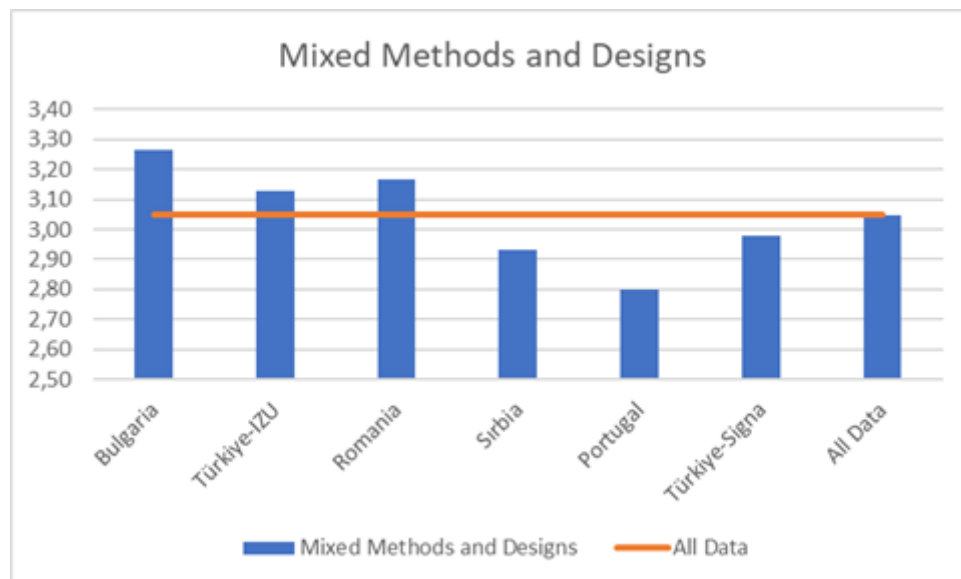


Table 13: *Quantitative Analysis: Difference Tests (ANOVA, MANOVA, ANCOVA, MANCOVA, T Test)*

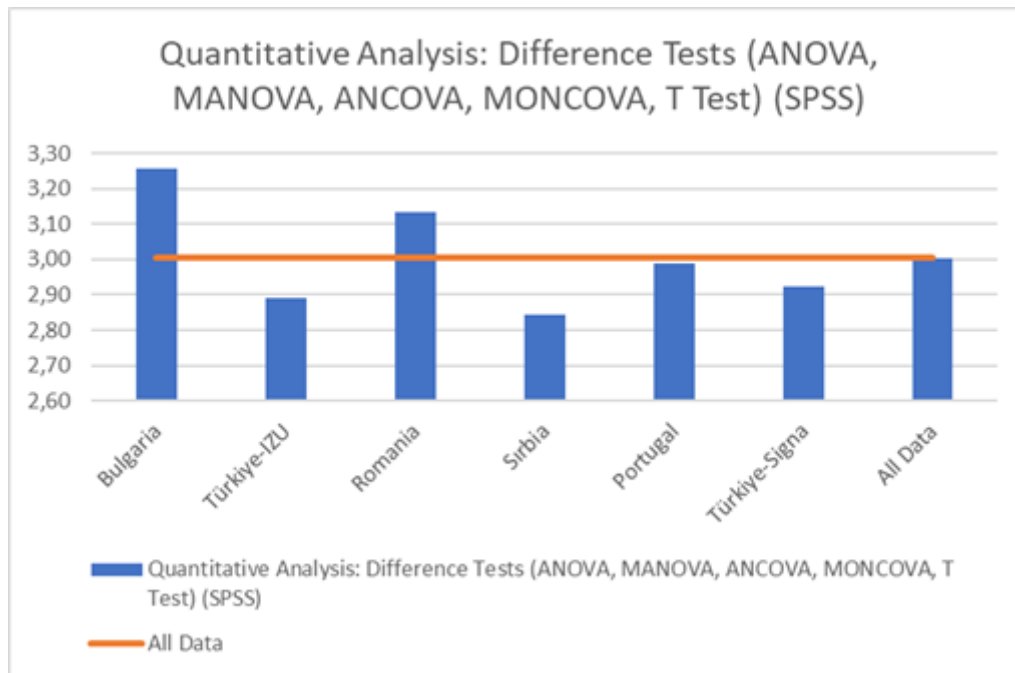


Table 14: *Quantitative Analysis: Correlation and regression analyzes*

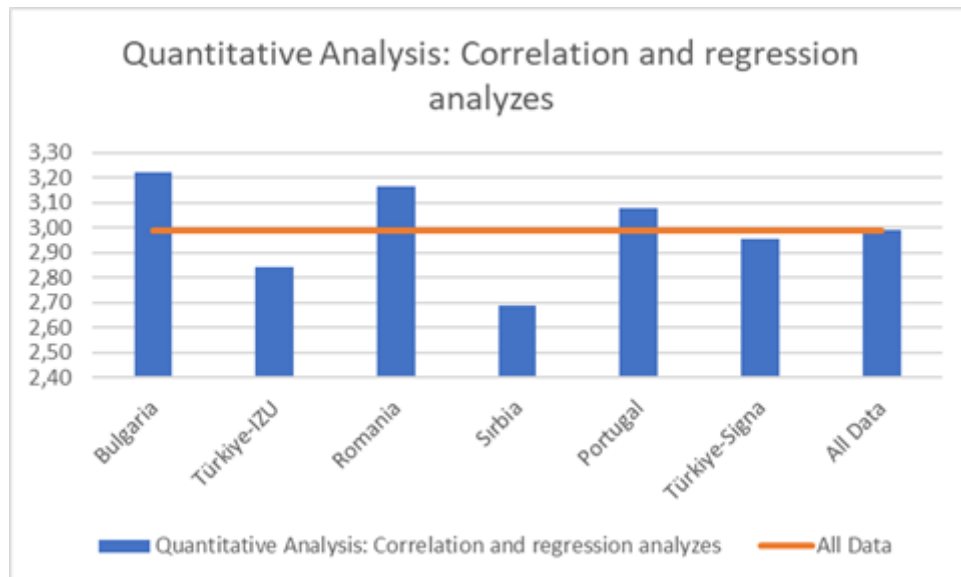


Table 15: *Quantitative Analysis: SEM (AMOS)*

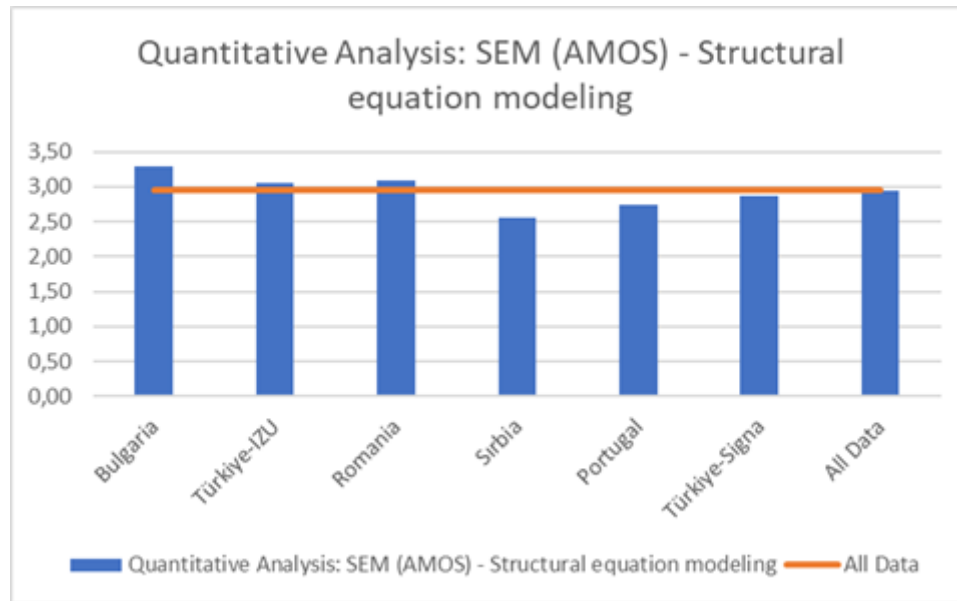


Table 16: *Quantitative Analysis: Meta- analysis (CMA)*

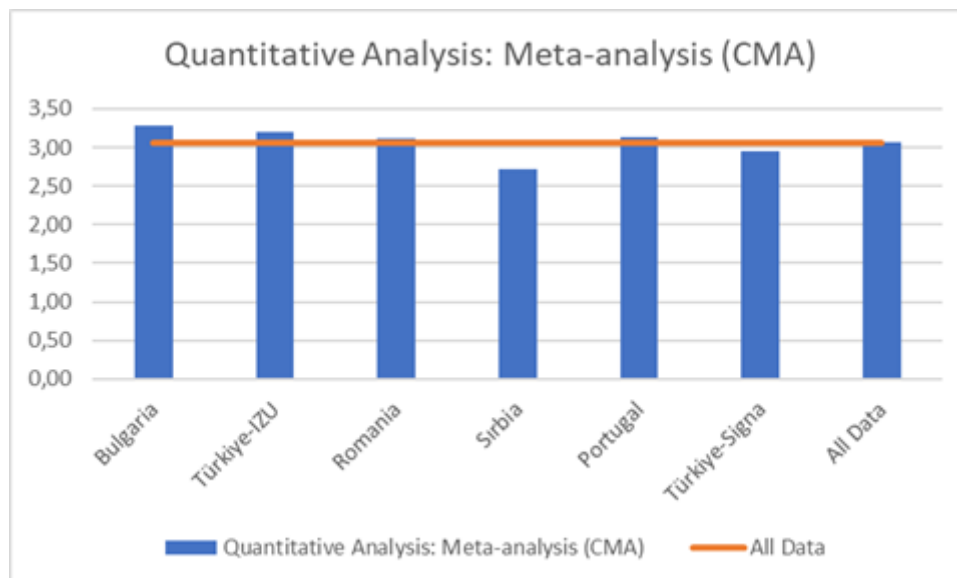


Table 17: *Quantitative Analysis: R Training*

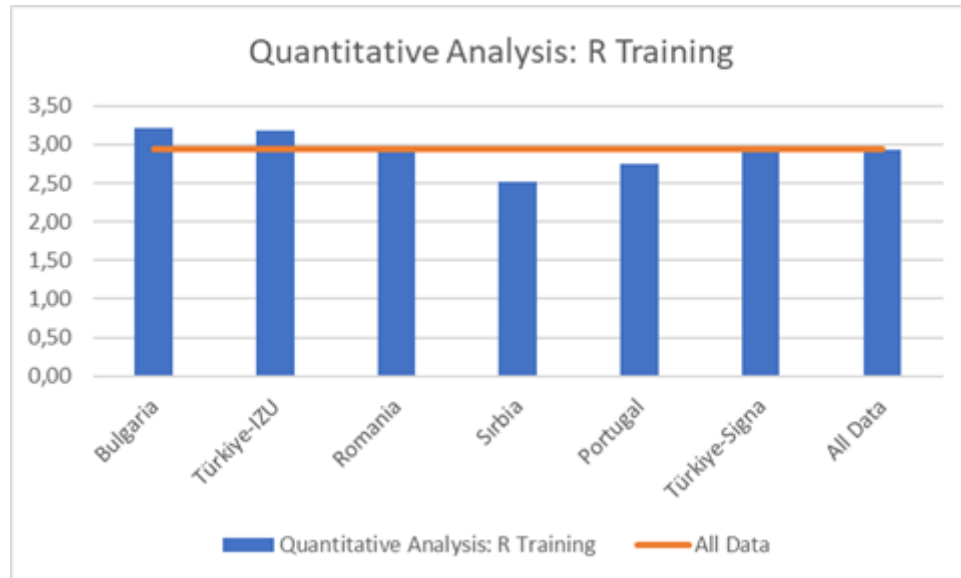


Table 18: *Qualitative Analysis*

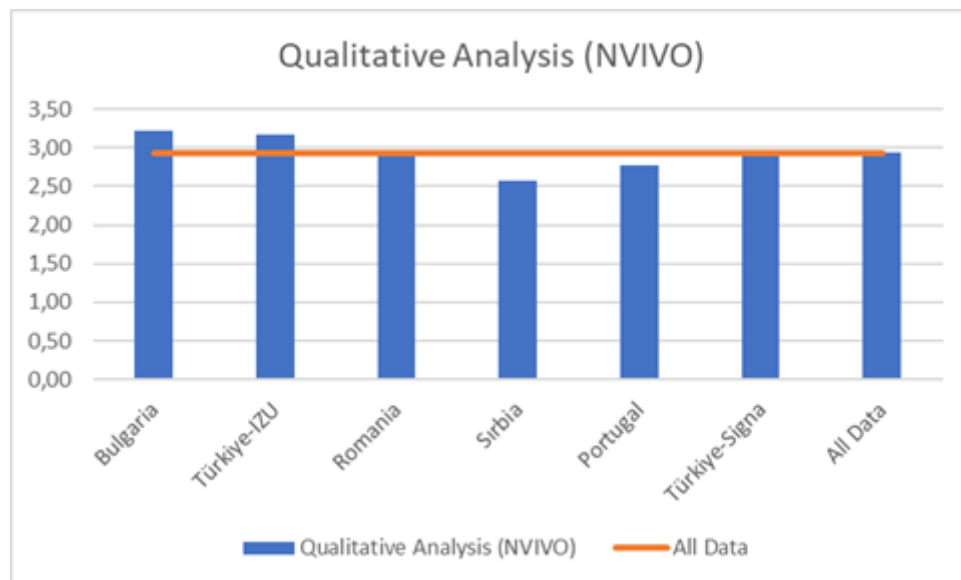


Table 19: *Systematic and bibliometric compilation*

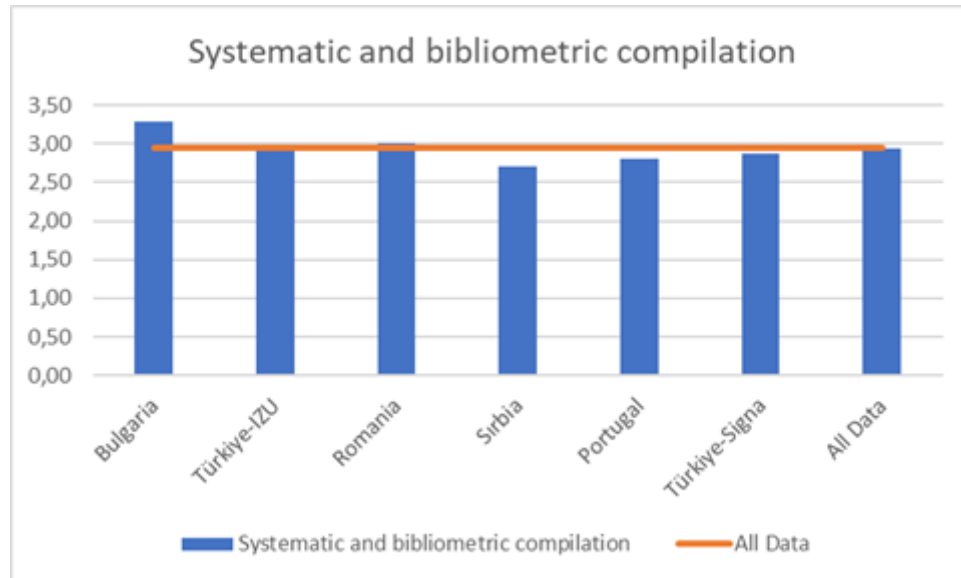


Table 20: *Scale Development*

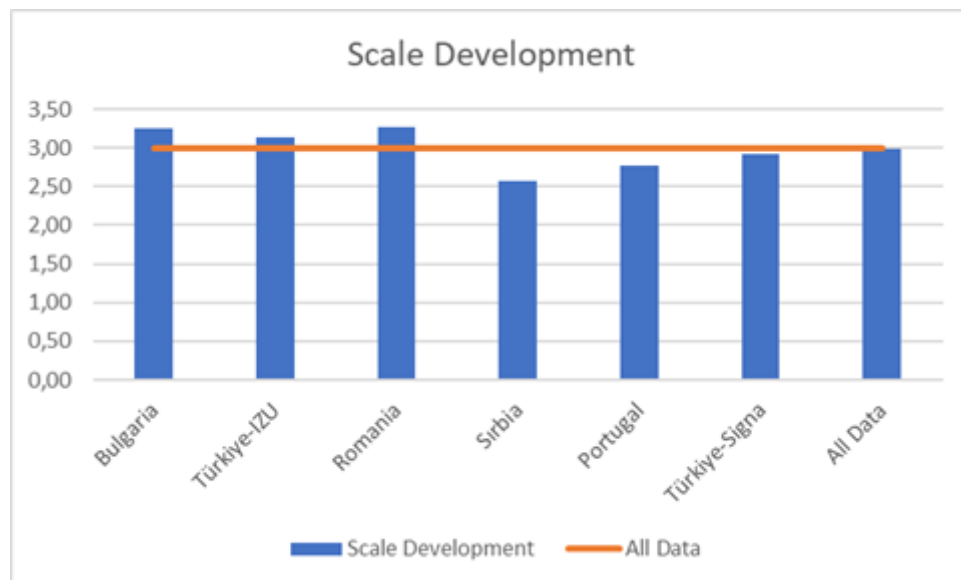


Table 21: Project Writing: National Projects

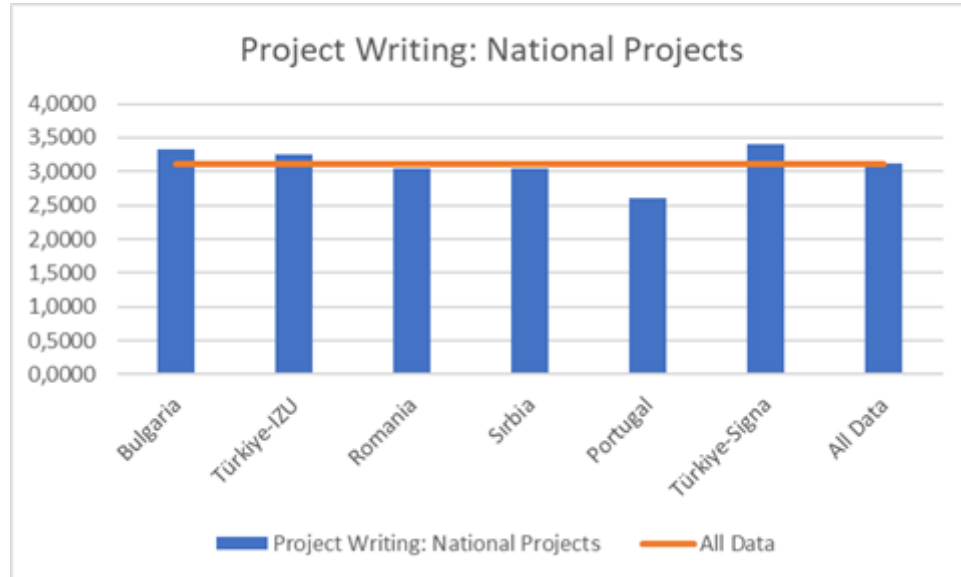


Table 22: Project Writing: International Project

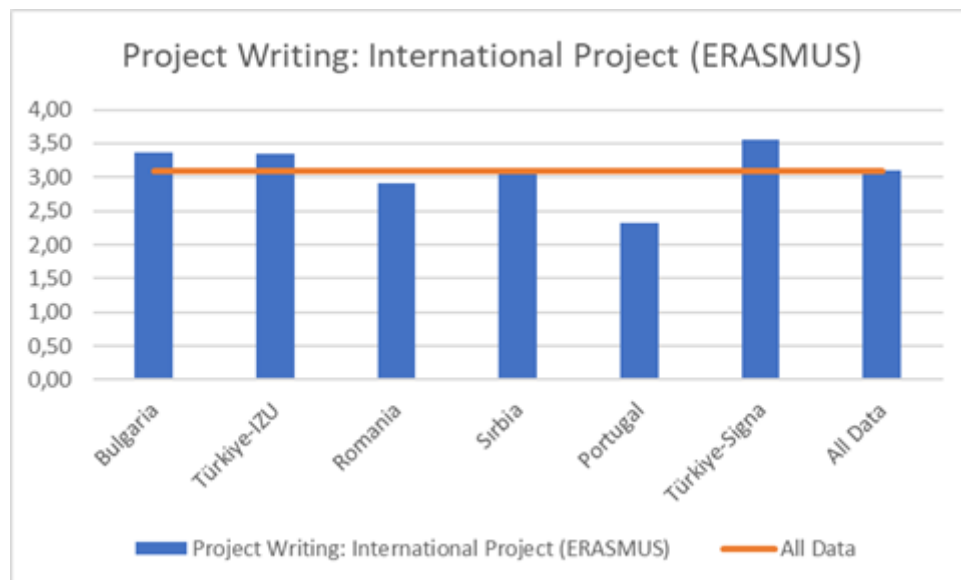


Table 23: Academic Advisory: Academic experience sharing of instructors

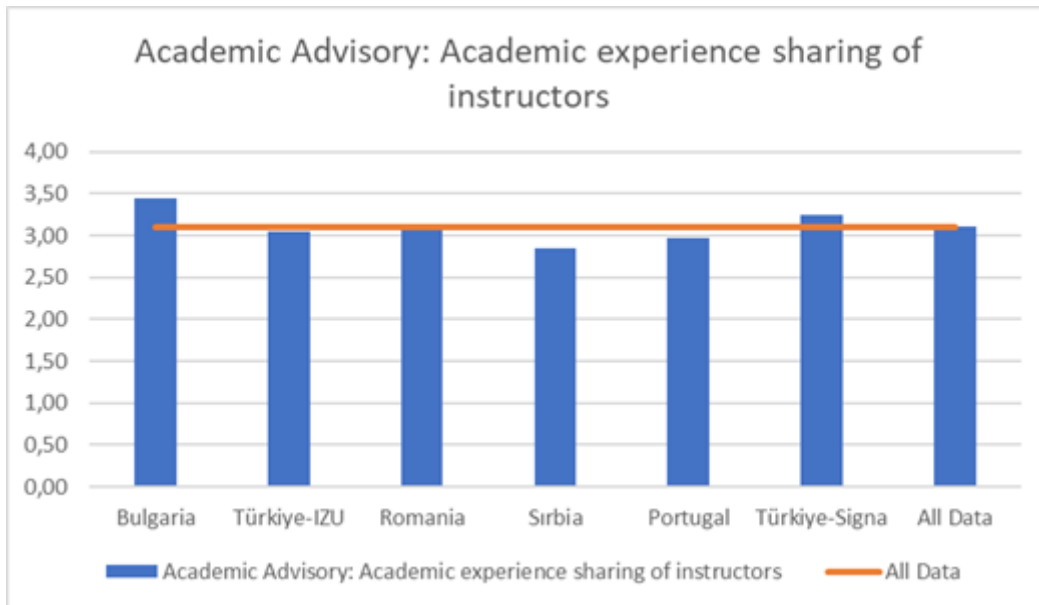


Table 24: Academic Advisory: Overseas education opportunities

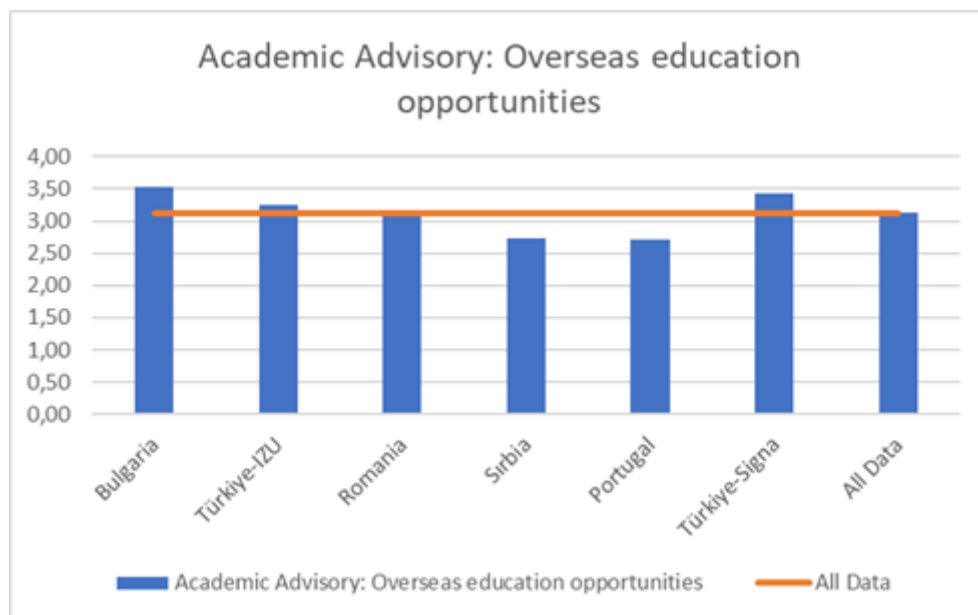


Table 25: Academic Advisory: Domestic education opportunities

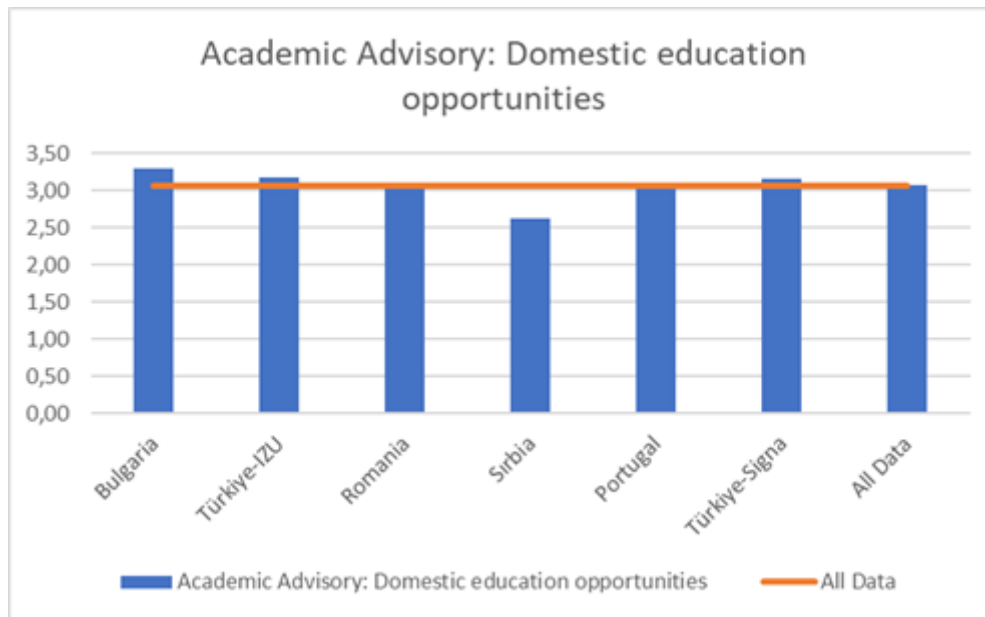
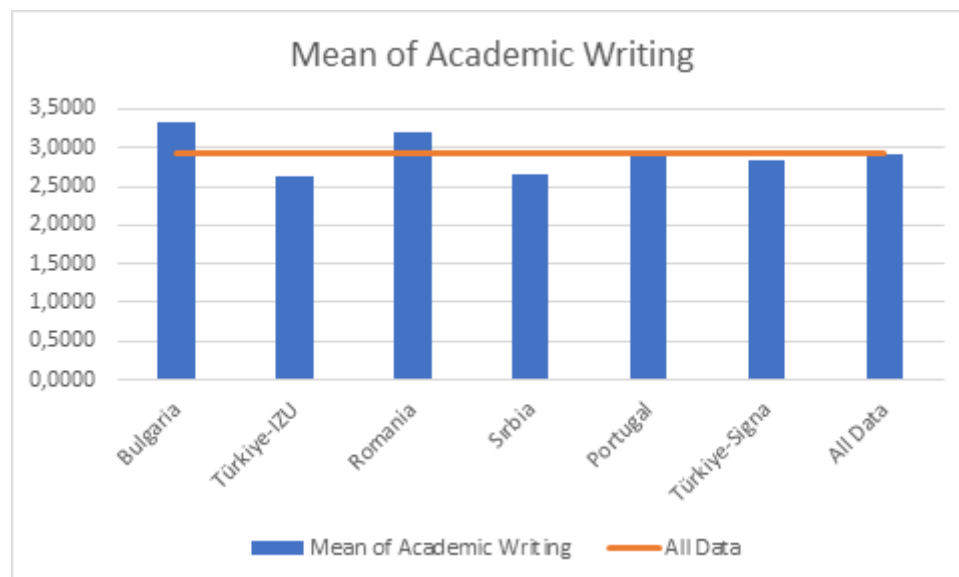


Table 26: Academic Writing



APPENDIX I.

COMPETENCE-ORIENTED METHODOLOGIES FOR R&D IN SOCIAL AND EDUCATIONAL SCIENCES [CORE] PROJECT NEEDS ANALYSIS

Dear participant,

The research you will participate in is a part of the “**Competence-oriented Methodologies for R&D in Social and Educational Sciences (CORE)**” project that we are carrying out within ERASMUS +. This research aims to determine what kind of training postgraduate students, doctoral students, research assistants, and doctoral lecturers in Social Sciences and Educational Sciences need academically.

Participation in the research is voluntary. You have the right to quit any part of it.

The personal information collected will be taken anonymously. Any information obtained will be kept in accordance with confidentiality principles. Your information will be only used for scientific purposes. The results of the analysis will be shared with the four other countries. As a result of all the information gathered from the five countries, we will create a training program for researchers.

Your participation will only take 5 minutes to complete.

Istanbul Sabahattin Zaim University and Assoc. Dr. Mustafa ÖZGENEL (mustafa.ozgenel@izu.edu.tr) coordinates the research. For your questions, contributions, or opinions, you can contact R.A. Sümeyye ÇAKIR (sumeyye.cakir@izu.edu.tr) and R.A. Ece YAĞCI (ece.yagci@izu.edu.tr).

You can find more detailed information about our project on our project website: eu-coreproject.org

We sincerely thank you for your contribution to this academic journey.

I confirm that I have read the "Consent Form" presented above and agree to participate in the research.

Yes ☐

No ☐

PERSONAL INFORMATION FORM

- 1.1. Age:
- 1.2. Gender:.....
- 1.3. Occupation:.....
- 1.4. Level of education:
 - I am still an undergraduate student. ☐
 - I am still a master's degree student. ☐
 - I finished my master's degree. ☐
 - I am still a doctoral student. ☐
 - I finished my doctorate. ☐
- 1.5 Department of Education:.....

NEED ANALYSIS

In this part, academic trainings determined that researchers need are presented. Please rate how much you need the trainings presented below using the scale of 1-4.

0: I do not need this training.

1: I slightly need this training.

2: I moderately need this training.

3: I extremely need this training.

		1	2	3	4
1.	Research and Publication Ethics				
2.	Quantitative Methods and Designs				
3.	Qualitative Methods and Designs				
4.	Mixed Methods and Designs				
5.1.	Quantitative Analysis: <i>Difference Tests (ANOVA, MANOVA, ANCOVA, MONCOVA, T Test) (SPSS)</i>				
5.2.	Quantitative Analysis: <i>Correlation and regression analyzes</i>				
5.3.	Quantitative Analysis: <i>SEM (AMOS, SmartPLS 4) - Structural equation modeling</i>				
5.4.	Quantitative Analysis: <i>Meta-analysis (CMA)</i>				
5.5.	Quantitative Analysis: <i>R Training</i>				
6.	Qualitative Analysis (NVIVO)				
7.	Systematic and bibliometric compilation				
8.	Scale Development				
9.1.	Academic writing and publishing: <i>Problem identification</i>				
9.2.	Academic writing and publishing: <i>Academic style</i>				
9.3.	Academic writing and publishing: <i>Literature review (VOSviewer, Research Rabbit)</i>				
9.4.	Academic writing and publishing: <i>Problem Statement, importance, and justification</i>				
9.5.	Academic writing and publishing: <i>Paragraph writing</i>				
9.6.	Academic writing and publishing: <i>Methods and findings</i>				
9.7.	Academic writing and publishing: <i>Discussion and conclusion</i>				
9.8.	Academic writing and publishing: <i>Bibliography preparation (Endnote, Mendeley, ZOTERO)</i>				
9.9.	Academic writing and publishing: <i>Limitations</i>				
9.10.	Academic writing and publishing: <i>Academic reading and writing techniques</i>				
10.1.1.	Project Writing: <i>National Project</i>				
10.2.1.	Project Writing: <i>International Project (ERASMUS)</i>				
11.1.	Academic Advisory: <i>Academic Experience sharing of instructors</i>				
11.2.	Academic Advisory: <i>Overseas education opportunities</i>				
11.3.	Academic Advisory: <i>Domestic education opportunities</i>				