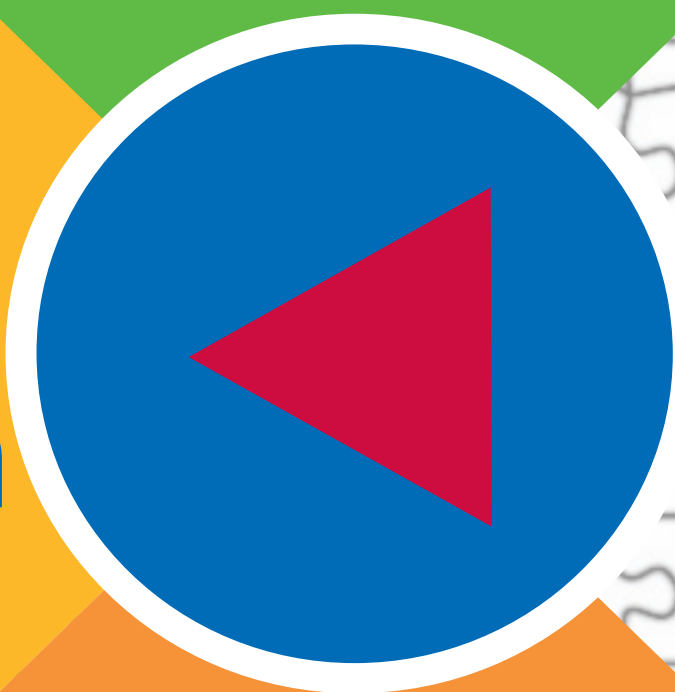


12-14 April, Karvina

WORKSHOP

**Quantitative
Qualitative**

**Planing
Research**



**STATA
EViews
SPSS
EXCEL**

**CUDES 2011
Research
Methods in
Social
Sciences**



Slezská univerzita v Opavě
Obchodně podnikatelská fakulta v Karviné



Free Registration & Information

Dr. Cezary Mizia, email: mizia@opf.slu.cz

Doç. Dr. İsmail Şiriner, email: siriner@kocaeli.edu.tr

CUDES 2011: REMISS
WORKSHOP FOR RESEARCH METHODS IN SOCIAL SCIENCES
12 April - 14 April 2011, Karvina - Czech Republic



Slezská univerzita v Opavě
Obchodně podnikatelská fakulta v Karviné



Silesian University & Kocaeli University

SUMMARY OF PROGRAM

- Quantitative Research Methods
- Qualitative Research Methods
- Alternative Research Methods
- Mixed Methods Research
- Unorthodox Research Methods
- Modeling in Social Sciences
- Game Theory (Static and Dynamic Games) in Social Sciences
- Academic Writings
- Planning Research Project
- Survey Design
- Time Series Econometrics
- Applications and Discussions
 - *STATA Applications*
 - *EViews Applications*
 - *SPSS Applications*
 - *EXCEL Applications*

Purpose

The main objective of this seminar is to introduce the postgraduate students to contemporary, quantitative and qualitative research methods. The course will strike an applied orientation so that the students will develop a sound understanding of the methods as well as the ability to apply these methods in a variety of research contexts. The course will integrate statistical software to explicate the methods. The course will utilize research papers that explicate the application of the methodologies discussed in class. During the three days of the seminar, we will review/discuss at least one research paper for each technique so that the students can learn how to present their research results, how to do the statistical analysis and how to interpret the results of the statistical analysis.

Seminar Due at the End of the Competences

At the end of this course participants;

- 1 To define qualitative research methods,
2. To understand the differences between qualitative research and quantitative research,
- 3 To Use qualitative research methods,
- 4 Types of qualitative research methods able to describe the relationship between social sciences and their origin,
- 5 Qualitative research to plan,
- 6 The research question of the relationship between the properties and explain the research question,
- 7 To understand methods of data collection in qualitative research,
- 8 Describe the characteristics of the sample selection,
- 9 List characteristics of the observation method,
- 10 Focus group discussions and in-person to manage the call,
- 11 I might say the methods of analysis of data collected,
- 12 I might say the data analysis methods,
- 13 Explain how to do qualitative research reporting,
- 14 Qualitative research, capable of critical appraisal,
- 15 Appropriate communication methods will be able to distinguish.

Comparing Quantitative and Qualitative Research

What are the basic differences between quantitative and qualitative research methods?

Quantitative and qualitative research methods differ primarily in:

- their analytical objectives
- the types of questions they pose
- the types of data collection instruments they use
- the forms of data they produce
- the degree of flexibility built into study design

Table 1, briefly outlines these major differences. For a more in-depth theoretical treatment of the differences between qualitative and quantitative research, we refer the reader to the suggested readings listed at the end of this chapter, especially Bernard 1995.

Instructor

Prof. Dr. Abdurrahman Fettahoğlu (Dean, Kocaeli University)

Prof. Dr. Recep Tarı (Kocaeli University)

Associate Prof. Yılmaz Kılıçaslan (Anadolu University)

Associate Prof. Aliye Atay Kayış, (Isparta University)

Associate Prof. Yücel Demirer (Kocaeli University)

Assistant Prof. Selçuk Koç (Kocaeli University) - Research Assistant Tezcan Abasız

Assistant Prof. Hakan Kapucu (Kocaeli University)

Assistant Prof. Şevket Alper Koç

Assistant Prof. Cengiz F. Dikmen (Kocaeli University)

Assistant Prof. Sibel Fettahoğlu (Kocaeli University) - Assistant Prof. Duygu Fırat (Kocaeli University)

Ph.D. Derya Keskin Demirer (Marmara University)

Lecturer Mustafa Doğan (Çanakkale Onsekiz Mart University)

Associate Prof. Derrick Wright (University of Westminster)- Associate Prof. Farhang Morady (University of Westminster), Associate Prof. Celia Jenkins (University of Westminster),



Table 1: Comparison of Quantitative and Qualitative Research Approaches

	Quantitative	Qualitative
General framework	<p>Seek to confirm hypotheses about phenomena</p> <p>Instruments use more rigid style of eliciting and categorizing responses to questions</p> <p>Use highly structured methods such as questionnaires, surveys, and structured observation</p>	<p>Seek to explore phenomena</p> <p>Instruments use more flexible, iterative style of eliciting and categorizing responses to questions</p> <p>Use semi-structured methods such as in-depth interviews, focus groups, and participant observation</p>
Analytical objectives	<p>To quantify variation</p> <p>To predict causal relationships</p> <p>To describe characteristics of a population</p>	<p>To describe variation</p> <p>To describe and explain relationships</p> <p>To describe individual experiences</p> <p>To describe group norms</p>
Question format	Closed-ended	Open-ended
Data format	Numerical (obtained by assigning numerical values to responses)	Textual (obtained from audiotapes, videotapes, and field notes)
Flexibility in study design	<p>Study design is stable from beginning to end</p> <p>Participant responses do not influence or determine how and which questions researchers ask next</p> <p>Study design is subject to statistical assumptions and conditions</p>	<p>Some aspects of the study are flexible (for example, the addition, exclusion, or wording of particular interview questions)</p> <p>Participant responses affect how and which questions researchers ask next</p> <p>Study design is iterative, that is, data collection and research questions are adjusted according to what is learned</p>

DRAFT PROGRAM

CUDES 2011: WORKSHOP FOR RESEARCH METHODS IN SOCIAL SCIENCES

12 April - 14 April 2011, Karvina - Czech Republic

Silesian University & Kocaeli University

12 April 2011	09:30 - 12:00	Lunch	13:00 - 14:30	Coffee/Tea Break	15:00 - 16:30	16:30 - 18:00
	Quantitative Research Methods I:		Quantitative Research Methods II:		Applications and Discussions I.	Modeling in Social Sciences I.
	<ul style="list-style-type: none"> Planning Research Project (Yilmaz Kılıçaslan) <p>The Problem Review of the Related Literature Writing Research Proposal Writing Report Technical Details: Style, Format, Organization</p> <ul style="list-style-type: none"> Survey Design Constructing Questionnaire (Aliye Atay Kayış) 		<ul style="list-style-type: none"> Quantitative Research Methods (Aliye Atay Kayış) <p>Statistical Techniques for Analyzing Quantitative Data Exploring and Organizing a Data Set Descriptive Statistics Inferential Statistics</p>		<ul style="list-style-type: none"> Applications with SPSS (Aliye Atay Kayış) <p>Creating A Data Set Computing Basic Descriptive Statistics Numerically Graphical Way of Analyzing A Data Set Computing Inferential Statistics T-Test For Two Independent Samples T-Test For Two Dependent Samples ANOVA</p>	<ul style="list-style-type: none"> STATA Applications (Yilmaz Kılıçaslan) <p>Linear Regression Models: One - Variable case vs. multivariable case, Estimation, Interpretations, Hypothesis testing</p> <p>Qualitative Response Regression Models: Linear Probability Model, Logit Model, Probit Model, Tobit Model</p> <p>Panel Data Regression Models: Model construction, Estimation, Interpretations</p>

DRAFT PROGRAM

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Silesian University & Kocaeli University

13 April 2011	09:30 - 12:00	Lunch	13:00 - 14:30	Coffee/Tea Break	15:00 - 16:30	16:30 - 18:00
	Quantitative Research Methods III:		Alternative Research Methods I.		Alternative Research Methods II.	Modeling in Social Sciences II.
	<ul style="list-style-type: none"> Time Series Econometrics (Selçuk Koç - Tezcan Abasız) <p>Stationary Univariate Models. Nonstationary Univariate Models. Structural Change & Nonlinear Models Stationary Multivariate Models. Nonstationary Multivariate Models.</p> <p>EViews Applications (Selçuk Koç - Tezcan Abasız)</p>		<ul style="list-style-type: none"> Unorthodox Research Methods (Yücel Demirel) <p>How New Research Methods are Creatively Applied to Various Problems & Disciplines. Research Design & The Possible New Methods & Designs. New Sources of Data, Internet / New Media Sources, Spatial / Geographic Methods, Visualization, & Unobtrusive Methods. Conceptualize Methodology as a Creative Act.</p> <ul style="list-style-type: none"> Unorthodox Methods Research Sample Article (Yücel Demirel) <p>"Fieldwork Under Tension: The Political Ethnography of Ancient New Year Celebrations in Diyarbakır, Turkey"</p>		<ul style="list-style-type: none"> Mixed Research Methods (Derya Keskin Demirel) <p>Review of Terminology and Various Meanings Assessment of Quantitative and Qualitative Research Methods Open Discussion About Pros and Cons of Both Quantitative and Qualitative Methods Advantages of the mixed methods. Types of mixed methods designs</p> <ul style="list-style-type: none"> Mixed Methods Research Sample Article (Derya Keskin Demirel) <p>"Investigating the Effects of Pre-school Provision: Using Mixed Methods in the EPPE Research"</p>	<ul style="list-style-type: none"> Static and Dynamic Games of Complete Information (Şevket Alper Koç) Some examples of Static and Dynamic Games of Complete: (Şevket Alper Koç) <p>"Information Domestic Violence"</p>

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Silesian University & Kocaeli University

14 April 2011	09:30 - 12:00	Lunch	13:00 - 14:30	Coffee/Tea Break	15:00 - 16:30	16:30 - 18:00
	Quantitative Research Methods IV:		Qualitative Research Methods.		Academic Writing.	Applications and Discussions
	<ul style="list-style-type: none"> Linear Programming and Applications (F. Cengiz Dikmen): <p>Basic Concepts Formulation and Applications Transportation and Assignment Problems Integer Programming</p> <ul style="list-style-type: none"> Problem Solution with Microsoft Excel Add-in (F. Cengiz Dikmen): 		<ul style="list-style-type: none"> Qualitative Research (Derrick Wright - Celia Jenkins) <p>Introduction to Qualitative Research Comparing Qualitative and Quantitative Research Sampling in Qualitative Research Recruitment in Qualitative Research Ethical Guidelines in Qualitative Research</p> <ul style="list-style-type: none"> Some examples of Qualitative Research: (Derrick Wright - Celia Jenkins) 		<ul style="list-style-type: none"> Qualitative Research (Derrick Wright - Celia Jenkins) <p>Rule of Academic Journals, Publishing Techniques Importance of Introduction and Literature Review, Referring Rules, Methods Reporting Findings, Discussion of Findings, Conclusion and Implications Abstract & Summary, References, Tables & Figures, Acknowledgement, Bio-sketches, Giving a Title, Layout & Formatting Evaluating Referee Reports, Re-editing Article</p> <p>Example of Publishable & Un-Publishable Article</p>	<ul style="list-style-type: none"> An application about Factor Analysis, Variance Analysis & Regression Analysis (SPSS) (Sibel Fettahoğlu - Duygu Fırat) <p>"The Effect of Brand Value on Financial Performance"</p> <ul style="list-style-type: none"> An application about VaR Analysis (Excel) (Hakan Kapucu) <p>"The Effect of Brand Value on Financial Performance"</p> <ul style="list-style-type: none"> An application about Field Research (Mustafa Doğan) <p>"Development of Islamic Tourism in Turkey"</p>

PROGRAM DETAILS

CUDES 2011: WORKSHOP FOR RESEARCH METHODS IN SOCIAL SCIENCES 12 April - 14 April 2011, Karvina - Czech Republic



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Unorthodox Research Methods	Purpose	Extending the capabilities of available methodological tools. The purpose of this course to introduce the participants to a relatively new approach in the scientific research. While providing the basic understanding of unorthodox methods research, the shortcomings of both quantitative and qualitative research methods are intended to be discussed.
	Seminar Due at the End of the Competences	The course covers recent developments in both qualitative and quantitative social scientific research methods and addresses the question of how new research methods are invented, applied, transferred between problems and disciplines, and formalized. By the end of the meeting, the participants will be able to apply available tools in a more creative way.
	Reading List for Seminar	<ul style="list-style-type: none"> Raymond M. Lee. 2000. <i>Unobtrusive Methods in Social Research</i>. Philadelphia: Open University Press. Peregrine Schwartz-Shea and Dvora Yanow. " 'Reading' 'Methods' 'Texts': How Research Methods Methods Texts Construct Political Science." <i>Political Research Quarterly</i>. Vol. 55. Pp. 457-486.

Mixed Methods Research	Purpose	The purpose of this workshop segment is to introduce the participants to a relatively new approach in the scientific research. While providing the basic understanding of mixed methods research, the shortcomings of both quantitative and qualitative research methods are intended to be discussed.
	Seminar Due at the End of the Competences	The participants will have an understanding of the potential usefulness of mixed methods in their research as well as the pros and cons of the quantitative and qualitative methods when they are applied individually. They will also have some ideas about the application of the mixed methods with the help of a sample research.
	Reading List for Seminar	<ul style="list-style-type: none"> Mixing Methods: The Entry of Qualitative and Quantitative Approaches into the Research Process. 2005. <i>Int. J. Social Research Methodology</i> 8 (3): 173-184. Castro, Felipe González, Joshua G. Kellison, Stephen J. Boyd, and Albert Kopak. 2010. "A Methodology for Conducting Integrative Mixed Methods Research and Data Analyses." <i>Journal of Mixed Methods Research</i> 4(4) 342-360. Leech, Nancy L. Anthony J. Onwuegbuzie. (2009) A typology of mixed methods research designs. <i>Qual Quant</i> 43:265-275. Tashakkori, Abbas and Charles Teddlie. (2010). Putting the Human Back in "Human Research Methodology": The Researcher in Mixed Methods Research <i>Journal of Mixed Methods Research</i> 4(4): 271-277.



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Game Theory (Static and Dynamic Games) in Social Sciences	Purpose	The main objective of this course is to introduce the postgraduate students some mathematical tools and game theory and its applications. The course will strike an applied orientation so that the students will develop a sound understanding of the methods as well as the ability to apply these methods in a variety of research contexts. The course will utilize research papers that explicate the application of the methodologies discussed in class. During two days of the seminar, we will review/discuss one research paper for each technique so that the students can learn how to present their research results.
	Seminar Due at the End of the Competences	At the end of this course participants; 1 To define qualitative research methods, 2. To understand the differences between qualitative research and quantitative research, 3 To Use qualitative research methods, 4 Types of qualitative research methods able to describe the relationship between social sciences and their origin, 5 Qualitative research to plan, 6 The research question of the relationship between the properties and explain the research question, 7 Focus group discussions and in-person to manage the call
	Reading List for Seminar	

Time Series Econometrics	Purpose	<p>This is survey course in time series econometrics with focus on applications in macroeconomics, international finance, and finance. We will cover univariate and multivariate models of stationary and nonstationary time series in the time domain. The goals of the course are threefold:</p> <p>(1) develop a comprehensive set of tools and techniques for analyzing various forms of univariate and multivariate time series, and for understanding the current literature in applied time series econometrics;</p> <p>(2) survey some of the current research topics in time series econometrics;</p> <p>(3) show how to use EVIEWS to estimate time series models.</p>
	Seminar Due at the End of the Competences	
	Reading List for Seminar	<ul style="list-style-type: none"> • Silverman D. (2005). <i>Doing Qualitative Research</i>: Second Edition, Sage Publication, London. • Creswell WJ. (1998). <i>Qualitative Inquiry and Research Design, Choosing Among Five Traditions</i>, Sage Publication, London. • Maxwell AJ. (1996). <i>Qualitative Research Design, An Interactive Approach</i>, Sage Publication, London, • Auerbach C. F. (2003). <i>Qualitative Data: An Introduction to Coding and Analysis</i>. New York: New York University Pres. • Bloor M. (2006). <i>Keywords in Qualitative Methods: A vocabulary of research concepts</i>. London: Sage Publications. • Crabtree BF. & Miller WL. (1999). <i>Doing Qualitative Research</i>. (2nd ed.). Thousand Oaks: Sage Publications. • Creswell JW. (2003). <i>Research Design. Qualitative, Quantitative and Mixed Methods approaches</i>. Thousand Oaks: Sage Publications.

Linear Programming Models	Purpose	<p>This course is designed to introduce the basic concepts of linear programming models and how to formulate the models with the aid of spreadsheet approach. It will cover classic applications of linear programming and besides integer, transportation and assignment problems applied to case studies. The goals of the course are threefold:</p> <p>(1) Develop and formulate a linear programming model.</p> <p>(2) Solve the model with the aid of a spreadsheet and interpret the solutions.</p> <p>(3) To do Sensivity Analysis</p>
	Seminar Due at the End of the Competences	
	Reading List for Seminar	<ul style="list-style-type: none"> • Frederick S. Hillier & Mark S. Hillier(2003),Introduction to Managements Science, Second Edition, McGraw-Hill Irwin,Boston • Frederick S. Hillier &Gerald J. Lieberman(1995), Introduction to Mathematical Programming, Second Edition, McGraw-Hill International Editions , New York • Sang M. Lee & Laurence J. Moore & Bernard W. Taylor (1981), Management Science, Third Edition, Allyn And Bacon, Boston

Quantitative Research Methods I	Purpose	<p>This course provides the basic knowledge of planning research projects in Social Sciences. It is designed to guide participants to prepare and conduct basic research of their own.</p>
	Seminar Due at the End of the Competences	<p>Upon completing this sections ,the participants should be able to:</p> <ul style="list-style-type: none"> • Determine the problem of interest • Discover how to perform literature survey • Write Research Proposal • Prepare questionnaires to collect data • Write a report
	Reading List for Seminar	<ul style="list-style-type: none"> • Frankforth-Nachminas, C. and D. Nachmias. 1996. Research Methods in Social Sciences, 5th ed., London: St. Martin's Press. • Blaug, M. 1992. The Methodology of Economics, 2nd ed., Cambridge: Cambridge University Press. • Kohler, H. 1994. Statistics for Business and Economics, 3rd ed., New York: Harper Collins College Publishers. • Leedy, P.D. and Ormrod, J.E.(2004).. Practical Research:Planning and Design, 8th ed., Pearson Merrill Prentice Hall.

Quantitative Research Methods II Applications and Discussions I	Purpose	The main objective of this course is to introduce fundamental statistical techniques for analyzing quantitative data and their applications in social sciences using SPSS. First, we review and describe the ways of exploring and organizing a univariate and multivariate data sets. Then, we introduce Inferential Statistics and consider several Hypothesis Testing procedures and apply statistical techniques to analyze data sets.
	Seminar Due at the End of the Competences	Upon completing this sections ,the participants should be able to: <ul style="list-style-type: none"> • Select the appropriate graphical and numerical methods to summarize and examine the characteristics of data. • Decide the appropriate statistical techniques to analyze the data • Use SPSS to examine and analyze data and interpret the results
	Reading List for Seminar	<ul style="list-style-type: none"> • Frankfort-Nachmias, C. and D. Nachmias. 1996. Research Methods in Social Sciences, 5th ed., London: St. Martin's Press. • Blaug, M. 1992. The Methodology of Economics, 2nd ed., Cambridge: Cambridge University Press. • Kohler, H. 1994. Statistics for Business and Economics, 3rd ed., New York: Harper Collins College Publishers. • Leedy, P.D. and Ormrod, J.E.(2004).. Practical Research:Planning and Design, 8th ed., Pearson Merrill Prentice Hall.

Modeling in Social Sciences	Purpose	The main objective of this course is to introduce fundamental econometric techniques for analyzing quantitative data and their applications in social sciences using STATA. First, we will introduce Linear Regression Models: One -Variable case vs. multivariable case, Estimation, Interpretations, Hypothesis testing Then we will take a look at Qualitative Response Regression Models: Linear Probability Model, Logit Model, Probit Model, Tobit Model. Finally, we will discuss and apply Panel Data Regression Models in Social Sciences.
	Seminar Due at the End of the Competences	Upon completing this sections ,the participants should be able to: <ul style="list-style-type: none"> • Estimate and interpret simple linear regression models, • Estimate and interpret probability models • Estimate and interpret panel data regression models in Social Sciences. • Use STATA effectively.
	Reading List for Seminar	<ul style="list-style-type: none"> • Amemiya, Takeshi. (1985). Advanced Econometrics. Cambridge, MA: Harvard University Press. • Baltagi, B.H. (2001). Econometric Analysis of Panel Data, 2nd ed., Wiley. • Greene, William H. (2003). Econometric Analysis. Fifth ed. Prentice Hall. • Johnston, Jack and John Dinardo (1997). Econometric Methods. Fourth ed. Mc-Graw Hill. • Maddala, G.S. (1983). Limited-Dependent and Qualitative Variables in Econometrics. Cambridge. • Maddala, G. S. (2001), Introduction to Econometrics, Third Edition, West Sussex: John Wiley & Sons Ltd. • Wooldridge, J.M. (2000). Introductory Econometrics: A Modern Approach. South-Western. • Wooldridge, J.M. (2002). Econometric Analysis of Cross-Section and Panel Data. MIT Press.