

EMPIRICAL IMPLICATIONS

EITM
Europe (Summer Institute²⁰¹²)

OF THEORETICAL MODELS



AT THE UNIVERSITY OF MANNHEIM

At a Glance

22 June 2012 (Friday) - 24 June 2012 (Sunday)
Refresher Course in Mathematics and R
Martin Efff (University of Essex)

25 June 2012 (Monday) - 29 June 2012 (Friday)

Theoretical and Methodological Foundations

Andrew Martin and Randall Calvert (Washington University, St. Louis)

30 June 2012 (Saturday) - 1 July 2012 (Sunday)

Individual Arrivals / Day-Off Tour

2 July 2012 (Monday) - 6 July 2012 (Friday)

Advanced I: QRE and Experiments

Mark Fey (University of Rochester)

2 July 2012 (Monday) - 6 July 2012 (Friday)

Advanced II: Legislative Politics and Politics Text Analysis

Will Lowe and Sven Oliver Proksch (University of Mannheim)

Application Deadline

31 March 2012

Tuition

700-1250 GBP

Summer Institute

22 June 2012
- 7 July 2012

Testimonials

"EITM in Europe was a great experience. The program was superbly well-run and fun, and the fellow students were surprisingly fun, warm, and social. I found the instruction to be up to the highest standards of quant classes in the United States. I doubt anyone can leave EITM at Europe without a firmer grasp of advanced quant techniques."

Michael K. Miller, Princeton University

"The EITM in Mannheim is currently perhaps the best summer school on quantitative methods for political scientists in Europe, and I am very happy to have had the chance to participate in this interesting event last summer."

Monika Mühlböck, University of Vienna

"In my point of view it's an important step that European Political Science offers their students EITM classes. In short, the EITM was and certainly will continue to be a significant way of knowledge transmission that, firstly, useful for us - PhD students - and, consequently, will be highly valuable to Science's future itself."

Patricia Calca, ICS-Lisbon University

"The two weeks at EITM Europe were really great. First of all, the summer school was brilliantly organized. Thanks a lot again to all the people involved."

Thomas Däubler, Trinity College Dublin

The EITM Europe Summer Institute 2012 program encompasses a refresher course in mathematics and R, followed by the foundations class in game theory and Bayesian statistics, and a choice for an advanced class in either quantal response modeling and experiments or legislative and textual analysis.

For former EITM and/or more specialized scholars, we also offer to join these classes separately. Under the direction of Thomas König, the teachers include Randy Calvert (WashU), Martin Eiff (Essex), Mark Fey (Rochester), Will Lowe (Mannheim), Andrew Martin (WashU) and Sven-Oliver Proksch (Mannheim).

The application deadline is 31st March 2012.

The original EITM Summer Institute program has taken place at Washington University, St. Louis every summer since 2001 and is funded by the U.S. National Science Foundation. In collaboration with Washington University, this advanced program on the Empirical Implications of Theoretical Models (EITM) has been offered at Mannheim University in 2009 under the direction of Thomas König for the first time in Europe. EITM Europe consists of four courses that have also been offered in the US. The program includes two courses in game theory and statistical theory, a specialized theoretical and an applied course. The latter two change every year. The focus of the summer institute is on the problems of building and testing theoretical models in political economy. The institute is designed for advanced graduate students and junior faculty whose research and teaching would benefit from training seminars on the link between methods of empirical analysis and theoretical models.

The 2012 EITM Europe Summer Institute thoroughly explores the relationship between formal models of politics and empirical research methods in political economy. The theoretical models addressed span game theory, spatial theory, public choice theories, agent-based and behavioral economics models as well as general equilibrium models. Empirical methods covered include inferential and Bayesian statistics, experimental and computational methods, and quantitative text analysis. The program aims to advance scholarship exhibiting more seamless integration of theoretical model development and empirical evaluation through a highly interactive training program. The summer institute is led by distinguished scholars from across the discipline working at the forefront of such empirical-theoretical integration.

Each unit surveys its substantive area, stressing key previous theoretical and empirical developments. The instructors explain steps necessary to conduct tests of the models, for example by considering basic-assumption validity or drawing testable conjectures from comparative statics and other deductions from the model. The courses discuss appropriate empirical methods for evaluating whether and how data confirm or reject the model. These empirical-modeling considerations could involve specifying test equations with the proper control variables and functional forms, deriving statistical estimators, designing an experiment, or framing a simulation.

What is EITM?

combining the best of both worlds

The University of Mannheim is one of the leading universities in Europe, specialized in economics and social sciences with focus on research. The importance of graduate training is underscored by the fact that the university has received an award and grant from the national "Excellence Initiative" to set up the Mannheim Graduate School of Economic and Social Sciences which provides an international PhD program. The dedication to interdisciplinary research is visible through the

**UNIVERSITY OF
MANNHEIM**

collaborative research center SFB 884 "The Political Economy of Reforms" which brings together the university's distinguished researchers from economics and political science to study the reasons for success and failure of political reforms. Numerous rankings, awards and evaluations regularly attest to the quality of research and teaching at the University of Mannheim.

The university's trademark is its distinct profile characterized by Mannheim's renowned economic and social sciences which are closely intertwined with humanities, law, mathematics and computer science. Its schools and research institutes cooperate in numerous international research networks. Institutes and projects like the Mannheim Centre for European Social Research (MZES) and the Center for European Economic Research (ZEW) underline the university's reputation as one of the

EITM Europe

From St. Louis to Mannheim

Graduate Study in Political Science at Washington University is one of the best places to study formal theory and methodology and earn a Ph.D. in economics and political science. The department has a remarkable faculty. Graduate students pursue research interests that span the discipline of political science and find many opportunities to pursue their interests in law, economics, and other fields. For more information about the Ph.D. program visit <http://polisci.wustl.edu>.

Washington University is a private research university. The University borders St. Louis's famed Forest Park and well-established suburbs on the west side of St. Louis. Over 12,000 students attend the University, with nearly 600 doctoral degrees awarded each year. In recent years, the University has received more federal research dollars than MIT and Yale. The University's \$4.3 billion endowment places it in the top ten in the country. Fifteen programs or schools rank in the top 10 in the country and three dozen programs or schools rank in the top 25.



In 2012, the Essex Summer School will coordinate the EITM Europe Summer Institute at the University of Mannheim for the first time. The Essex Summer School in Social Science Data Analysis was first held in 1967, sponsored by UNESCO. Subsequent schools have been sponsored by the Nuffield Foundation, and, latterly, by the Department of Government, University of Essex and the European Consortium for Political Research. Since its founding, the Essex Summer School has developed a distinct profile of excellence in post-graduate education. The Essex Summer School provides an opportunity for social scientists to make contact with professional social scientists from other countries. Besides classroom instruction and daily laboratory work, there are evening seminars on research topics of special interest. The terms of the original UNESCO grant to the school stipulated that participants be drawn from all over Europe. This tradition has been maintained and is now extended on a global scale. Since its founding, the Summer School has welcomed participants from almost all countries in the world. EITM Europe and the Essex Summer School have joined in 2012 to further excellence in international doctoral education in social sciences.



Teaching Excellence

EITM Europe and Essex Summer School
join hands

Following the successful format of the U.S. EITM series (since 2001) and the EITM Europe Summer Institute (since 2009), the EITM Europe Summer Institute 2012 program includes a

refresher course in mathematics and R, followed by the foundations class in game theory and Bayesian statistics, and a choice for an advanced class in either quantal response modeling and experiments or legislative politics and and political text analysis. Former EITM or

more advanced scholars are able to take these advanced classes only. Under the direction of Thomas König, the instructors include Randy Calvert (WashU), Martin Elff (Essex), Mark Fey (Rochester).

The logo for EITM Europe (Summer Institute 2012). It consists of a dark blue rectangular background. On the left, the letters "EITM" are stacked above "urope" in a white, sans-serif font. To the right of this, the text "(Summer Institute 2012)" is written in a smaller, white, sans-serif font.

EITM
urope (Summer Institute²⁰¹²)

eitm.sowi.uni-mannheim.de

Requirements

The Summer Institute on the Empirical Implications of Theoretical Models (EITM) is designed for both graduate students and junior faculty. Participants are selected through a competitive selection process. As a formal requirement, applicants must hold at least a Master degree.

The application deadline for the June 2012 summer institute is March 31, 2012.

Please make sure to send all necessary documents until this date. Applications that arrive after the deadline will not be considered. The applications will be processed within two weeks. Tuition depends on the chosen package. Another 500 Euros will be charged for accommodation in double rooms. The tuition has to be paid upon acceptance to the program. Participants have to cover their travel costs. Let us know if we can be of any help if you apply for funding individually at other institutions.

by email (pdf):
eitm@uni-mannheim.de

by mail:
EITM Europe Application
Professor Dr. Thomas König
Universität Mannheim
A5, 6
68131 Mannheim

We welcome all applications by graduate students and junior faculty interested in formal theory and empirical analysis. Applications which fulfill the requirements will be considered first. The program is primarily directed towards political scientists but we very much welcome applications from economics and other fields of social sciences. Prior training in both game theory and statistics is necessary to follow the courses. Ideally, applicants should have completed courses in these areas before participation. In addition, applicants should be willing to prepare extensive readings before coming to Mannheim. Knowledge in R is also essential and applicants are expected to have obtained basic knowledge before the beginning of the courses.

Application

Graduate students who wish to benefit most from the program would already have some training in both formal methodology and quantitative analysis, with advanced training in at least one of those, would have passed all exams, be well along in the dissertation project but able still to incorporate improvements enabled by the program. Likewise, applications from junior faculty looking to improve the dissertation or articles for publication in a direction that incorporates EITM advances would be welcome. These describe the ideal applicants; interested students or junior faculty should not refrain from applying due to some perceived shortfall on any of these dimensions.

Candidates should submit the following:

- a curriculum vitae with name, contact information, current location, and position
- a short, 1-2 page statement of why you would like to participate in the program
- a transcript (optional)

All applications must be received by March 31, 2011 to be considered for the program. The decisions will be made within two weeks.

Tuition



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Participants are required to pay a tuition fee depending on the package chosen for participation. This fee covers the courses. We offer accommodation in a nearby hotel for 500 Euros.

RFA 1250 GBP

A complete package, consisting of Refresher, Foundations Course, and an Advanced Module of your choice. This is recommended for participants who did not join an EITM summer institute before and have little training in R and mathematics.

FA 1000 GBP

This package includes the Foundations Course and one Advanced Module of your choice. This is recommended for PhD and faculty who have already completed their basic classes and have substantial knowledge in mathematics and experience in using R.

RF 850 GBP

This package includes the two-day Refresher on Math and R as a programming language and the five day Foundations Course covering Game Theory and Statistics. This package is devoted to students which do not have completed their basic PhD classes and are interested in getting introduced into EITM basics.

F or A 700 GBP

Participation in the Foundations Course or a single Advanced Module is available on request. This package is open for former EITM scholars who are interested in a specific advanced topic.

Travel

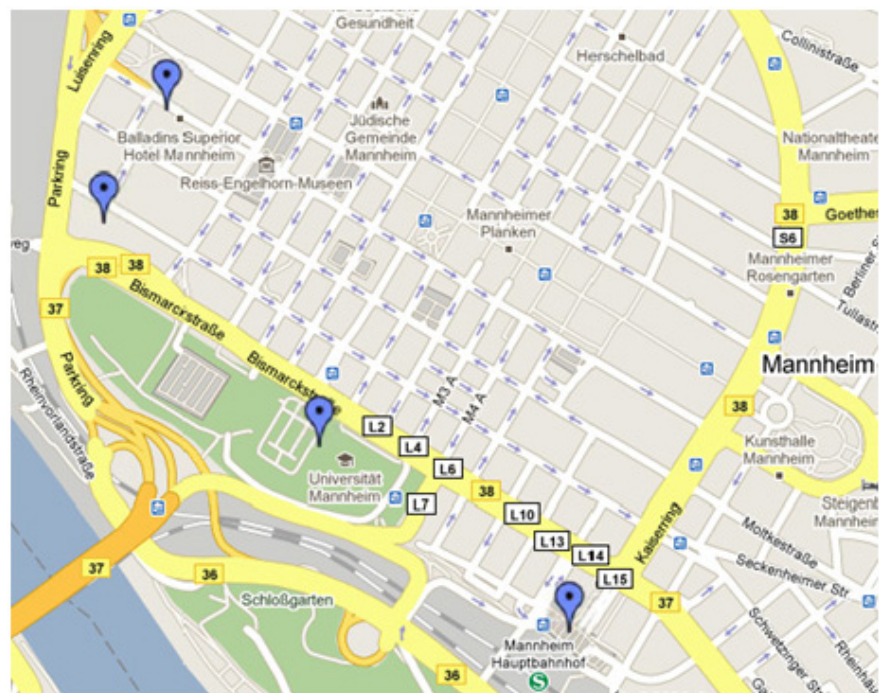
Mannheim can easily be reached by train. It is well connected by regular train connections running at least once an hour with the two nearest international airports in Frankfurt am Main and Stuttgart. Notice that besides the fast ICE train connections regional trains also run to Mannheim. They are about half price but also take considerably longer. Information on train connections can be found at <http://www.bahn.de>.

Two smaller airports, Frankfurt Hahn and Baden Airpark that are served by budget airlines, are within a reasonable distance to Mannheim. The schedule of the bus connections between Frankfurt Hahn / Baden Airpark and Mannheim can be checked at <http://www.hahn-express.de/>.

We hope you will have a nice stay in Mannheim and take the chance to provide you with more information on your journey to Mannheim. You will find easy to travel to Mannheim which is well connected to the airports in Frankfurt and Stuttgart and to the German railway network.

The city center of Mannheim is very compact with the university at its center. As the only city in Germany, it is divided into squares like a checkerboard, which makes it easy to orient yourself. At the center of the city is the castle, which accommodates parts of the university today. The castle was built in the 1720s under Elector Carl Philipp as one of the largest absolutist Baroque palaces on the Upper Rhine. Mannheim is known for cultural activities, including a pop academy and many hot music bars. It is also one of the warmest places in Germany and located to one of the most famous wine regions, the Palatine.

Directions



EITM Europe will take place in modern facilities in air conditioned rooms. The hotel is within walking distance and you will find many places to eat and go out in the city.

Mannheim and the Rhein Neckar region have a good and well working public transportation system. The hotel is well connected and can easily be reached by public transport and an additional 3 minutes walk. We will send information on this before your arrival. Taking a taxi from the station would cost at most 7 Euros. Trips to the region can easily be done by public transport. The parking situation in Mannheim is dense and the city center is permitted parking only. Parking opportunities might be available at the hotel upon request or at the nearby harbour.



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annheim Palace was built beginning in 1720 under Elector Carl Philipp as one of the largest absolutist Baroque palaces on the Upper Rhine. The Mannheim Court of his heir Carl Theodor enjoyed an outstanding reputation as a center of culture, art and science.

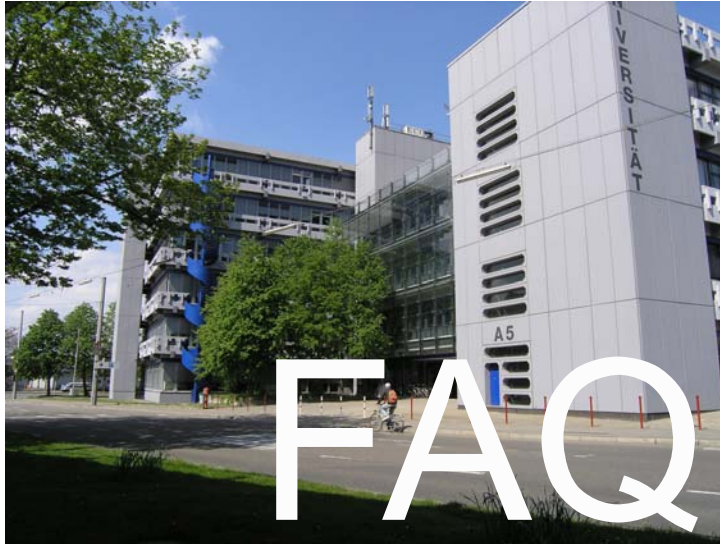
In World War II it was almost completely destroyed. Only the Library Cabinet (Bibliothekskabinett) remained untouched as the only room of over 500. In 1947 the decision was made to rebuild the outer structure of the palace according to the historical model with the exception of the roof.

Since April 2007 the Baroque palace in Mannheim has shone with a new radiance. With the restoration of the Enfilade on the Beletage (principle floor), the palace was given back its heart. Here, in the state rooms, several hundred original objects, including furniture, paintings, tapestries, china and clocks, reflect the courtly atmosphere of days gone by. Nowadays, the wings of the Palace are used by the University of Mannheim.

Opening hours: Tuesdays to Sundays: from 10.00 a.m. to 5.00 p.m. Audioguides (german, english, french) as well as guided tours are available.

Several cultural institutions are located in Mannheim. In the National Theatre you can watch plays, ballet as well as opera. Besides that, there are diverse cinemas (e.g. www.cineplex.de) that also show movies in the original version, music and film festivals and locations where you can enjoy concerts and comedy (e.g. Alte Feuerwache, Capitol, Rosengarten).

To relax and enjoy the nature, you can visit the Luisenpark or the Herzogenriedpark, which are both located near the city center. You can also walk along the rivers Rhine or Neckar and relax at their banks.



Are there any prerequisites for attending?

Ideally, applicants should have completed courses in game theory and statistics before participation. Additionally, applicants are expected to have basic knowledge in R before the beginning of the courses.

What should I bring?

You should obviously bring clothes for warm and even hot weather (average temperatures for June and July are high in the mid and upper 20s (degrees celcius), low in the 10s (degrees celcius). Generally the dress code will be "grad school casual" (including dinners). Bring a laptop computer (see below), the reading material that was sent to you, and notebooks, pens, pencils, etc. You may want to bring a swimsuit and athletic clothes for the facilities around the campus.

What are the rooms like?

The rooms are standard double hotel bedrooms. Towels and bedclothes are provided.

Do I need to bring my own computer?

Having your own computer is definitely an advantage, as you'll be more flexible in planning your working time, checking your private mail during your free time etc. A wireless antenna/card will be necessary to access the internet everywhere except your dorm room. There is wireless service over all Mannheim's campus as well as in the hotel rooms.

Is there any special software I should have loaded on my computer?

As we will be working in a computer lab with all the necessary software, this is not a must. It still probably pays off having "R" on your computer, which is open source and easy to obtain via www.r-project.org.

How do I connect to the wireless network when I get to Mannheim?

You will receive a login at your arrival in Mannheim.

How will I print while at EITM Europe at Mannheim?

You will receive a university electronic payment card which can also be used to print documents at the faculty's library. You will receive further details at the information seminar on your day of arrival.

What will be my mailing address and phone number while I am staying at Mannheim?

P.O. Box 103462D-68163 Mannheim(+49)-(0)621-181-3347

What can I do if I want to take a break from thinking about the empirical implications of theoretical models?

Check out the Mannheim Tourist Information Center or have a look at Mannheim & surroundings.

The EITM Europe 2012 Team

Professor Dr. Thomas König, Director of EITM Europe 2012
Professor of Political Science II at the University of Mannheim

Stephan Solomon, Doctoral Candidate

eitm@uni-mannheim.de

