Updates
zum Kommentierten Vorlesungsverzeichnis
der Abteilung Volkswirtschaftslehre
Frühjahrs-/Sommersemester 2007

28. Dezember 2006: Bereich Hauptstudium, Wahlveranstaltungen, zusätzliche Veranstaltungen:

Innovation economics

Blockseminar, 2st. — Stahl, Konrad
Raum und Zeit siehe Aushang — Müller, Elisabeth

Prof. Konrad Stahl, Ph.D. — Spring Semester 2007
Elisabeth Müller, Ph.D.
Universität Mannheim

SEMINAR ON INNOVATION ECONOMICS

TIME AND LOCATION — Block seminar; at the end of spring semester (June 2007)

ORGANISATIONAL MEETING — tba, beginning of spring semester

OFFICE HOURS — Stahl: upon arrangement
kos<at>econ.uni-mannheim.de
Müller: upon arrangement
mueller<at>zew.de

ADRESSEES:
The seminar is part of the field "Applied Microeconomics" for economics students, and of "Information and Competition" for business students. First and second year doctoral students are also welcome to attend.

PREREQUISITES:
Microeconomics I-III

GRADING:
Presentation (30%), Class Participation (20%), Paper (50%).

CONCEPT:
The seminar will cover topics in four broad areas:

1) Science, technology and knowledge creation
2) Diffusion of science and technology
3) Intellectual property rights
4) Innovation and economic performance

A list of topics will be available at the beginning of the spring semester. Some literature references are provided as a starting point, but students are expected to search for additional relevant literature themselves. Topics covering research of theoretical and empirical nature will be offered. Students will present their work within a block of two days (date tba). The suggested literature will be available for download at the internet site of Professor Stahl.

Course title: Innovation economics
Instructors: Prof. Konrad Stahl, Ph.D.; Elisabeth Müller, Ph.D.
Method (hours per week): seminar (2)
Prerequisites: Microeconomics I-III
Examination: Presentation (30%), class participation (20%), paper (50%)
ECTS-Credits: 6
Course description: The seminar will cover topics in four broad areas: Science, technology and knowledge creation; diffusion of science and technology; intellectual property rights; innovation and economic performance
Contact person: Prof. Konrad Stahl, Ph.D., Tel. 181-1875, kos<at>econ.uni-mannheim.de

Seminar zu Strategic Action in Business and Government I

Seminar, 2st. — Stahl, Konrad
Raum und Zeit siehe Aushang — Rall, Wilhelm

Seminar for SABG I — Spring 2007

TIME AND LOCATION: Block Seminar
Upon arrangement with the seminar participants at the organizational meeting.

ORGANISATIONAL MEETING tba.

COACHING SESSIONS

OFFICE HOURS
Stahl: Mondays 14.00 (ext. 1880)
Rall: by appointment
Wachtler: by appointment (ext. 1873)

SEMINAR DATE: tba.

ADRESSEES:
The seminar is part of the course sequence under the same title, as well as part of the elective in business studies under the title "Information and Competition".

First and second year doctoral students are especially welcome.

PREREQUISITES:
Micro Economics I-III
Strategic Action in Business and Government (SABG) I.

GRADES:
Presentation (30%), Class Participation (30%), Paper (40%)

CONCEPT:
The seminar serves the purpose to bring the theory developed in SABG I to selected data. We offer the discussion of five cases:

1. Competition in product variants: Automotive Industry
2. Strategic pricing in a pre-merger phase: Chemical Industry
3. Vertical Relationships: Automotive Industry
4. Vertical and Horizontal Product Differentiation: Wine Industry
5. Price Discrimination: Airline Industry

For the first two subject areas students will be availed of case evidence developed at the McKinsey research office; for the third and fourth one, Konrad Stahl and his team will provide evidence. In the fifth subject area the students are supposed to collect the evidence themselves (it is easy to do so over the internet). The students are asked to relate this evidence to the theories developed in SABG I. Typically teams of two students will work on one topic.

Course title: Seminar zu Strategic Action in Business and Government I
Instructors: Prof. Konrad Stahl, Ph. D., Prof. Dr. Wilhelm Rall (McKinsey&Co.)
Method (hours per week): seminar (2)
Prerequisites: Mikroökonomik I - III, Strategisches Handeln in Wirtschaft und Politik I
ECTS-Credits: 6
Examination: Presentation (30%), class participation (30%), paper (40%)
Course description: The seminar serves to relate predictive results from the theory of industrial organisation to actual behaviour. Towards this the students receive detailed case material. They will search for models leading to an explanation of behaviour observed in the case material.
Contact person: Prof. Konrad Stahl, Ph.D., Tel. 181-1875, kos<at>econ.uni-mannheim.de

Strategisches Handeln in Wirtschaft und Politik II

Vorlesung, 4st. Stahl, Konrad
Mo wtl 17.15-20.30 19.02.-11.06.2007 Rall, Wilhelm L 7, P043

Zu der Veranstaltung findet eine begleitende Übung statt, die Zahl der Kreditpunkte erhöht sich dadurch auf 11.

Course title: Strategisches Handeln in Wirtschaft und Politik II
Instructor: Prof. Konrad Stahl, Ph.D., Prof. Dr. Wilhelm Rall
Method (hours per week): laboratory course (4) + practical exercises (2)
Examination: final exam, problem sets, class participation
ECTS-Credits: 11
Course description: The analysis of a real life strategic planning problem necessitates the reduction of the problem to its essentials. The course is designed to equip the student with the tools relevant for the analysis of such strategic problems at the level of the firm, as well as the level of an industry which typically is the relevant level for the analysis of regulatory and competition policy. Emphasis is placed not only on the reception of existing models but also on the generation of new ones that are appropriate for the analysis of specific real life problems. In contrast to the presentation of recipes, the course is intended to present approaches to micro and game theoretically based generic thinking about solutions to strategic problems.
Contact person: Prof. Konrad Stahl, Ph.D., Tel. 181-1875, kos<at>econ.uni-mannheim.de

Ökonomische Analyse von Gesundheit und Lebenserwartung

Seminar Jürges, Hendrik

Blockseminar nach bes. Vereinbarung

(Anmeldung bis 16.2.2007 per Email erforderlich)

Inhalt: Die Veranstaltung beschäftigt sich mit gesundheitsökonomischen Fragestellungen aus individueller Sicht. Mikroökonometrische Untersuchungen auf Basis von Individualdaten bilden den Schwerpunkt der Literatur. Institutionelle Fragen werden nur am Rande behandelt. Die Veranstaltung richtet sich an Volkswirte und Studierende anderer Fachrichtungen (Betriebswirte und Soziologen) mit Interesse an den behandelten Fragestellungen und guten Kenntnissen in Statistik.

Teilnahmevorrausetzungen: Grundlagen der Ökonometrie oder gleichwertige Veranstaltung.

Prüfungsleistung: Anwesenheit, Vortrag (45 Minuten), und schriftliche Ausarbeitung (ca. 15 Seiten). ECTS: 6 Punkte.

Themen und grundlegende Literatur:

1. Gesundheitsmessung durch Bevölkerungsumfragen

" Wallace, R.B. & Herzog, A.R. (1995): Overview of the Health Measures in the Health and Retirement Study. Journal of Human Resources 30, S84-S107.
" Thomas, D. & Frankenberg, E.(2000): The Measurement and Interpretation of Health in Social Surveys. RAND Labor and Population Program Working Paper 01-06.
" Cutler, DM, Richardson, E. (1997): Measuring the Health of the U.S. population. Brookings Papers on Economic Activity: Microeconomics 1997, 217-271.
" Groot W. Adaption and scale of reference bias in self-assessments of quality of life. Journal of Health Economics 2000; 19: 403-420.
" Baker M. Stabile M, Deri C. What do self-reported, objective, measures of health measure? Journal of Human Resources 2004; 39: 1067-1093.

2. Theorie und Empirie der Nachfrage nach Gesundheit: Das Grossman-Modell

" Grossman, M. (2000): The Human Capital Model, Handbook of Health Economics, Ch. 7, Elsevier.

3. Verhaltensrisiken

" Chalupka, F.J. and Warner, K.E. (2000): The Economics of Smoking. Handbook of Health Economics, Ch. 29, Elsevier.
" Cook, P.J. and Moore, M.J. (2000): Alcohol. Handbook of Health Economics, Ch. 30, Elsevier.
" Cutler, D. and Glaeser, E. (2005): What Explains Differences in Smoking, Drinking and Other Health-Related Behaviors? NBER Working Paper 11100

4. The Economics of Obesity

" Shin-Yi Chou, Michael Grossman, Henry Saffer (2002): An Economic Analysis of Adult Obesity: Results from the Behavioral Risk Factor Surveillance System. NBER Working Paper No. 9247.
" Cawley, J. (2004): The impact of obesity on wages. Journal of Human Resources 39, 451-474.
" Cawley, J., Grabka, M. & Lillard, D. (2005): A Comparison of the relationship between obesity and earnings in the U.S. and Germany. Schmollers Jahrbuch 125 (1), 119-130.

" Cutler, D., Glaeser, E. & Shapiro, J. (2003): Why have Americans become more obese? Journal of Economic Perspectives 17, 3, 93-118.

5. Gesundheit im Kindesalter

" Currie, J. (2000): Child health in developed countries. Handbook of Health Economics, Ch. 19, Elsevier.
" Case, A., Lubotsky, D. and Paxson, C. (2002). Economic status and health in childhood: The origins of the gradient. American Economic Review, vol. 92, pp. 1308-1334.
" Currie, A., Shields, M.A., and Wheatley Price, S. (2004): Is the Child Health / Family Income Gradient Universal? Evidence from England. IZA Discussion Paper 1328.

6. Gesundheit und Arbeitsmarkt: Löhne und Einkommen

" Thomas N. Chirikos; Gilbert Nestel (1985): Further Evidence on the Economic Effects of Poor Health. The Review of Economics and Statistics 67, 61-69.
" Matthew E. Kahn (1998): Health and Labor Market Performance: The Case of Diabetes. Journal of Labor Economics 16, 878-899.
" Strauss, J. & Thomas, D. (1998): Health, Nutrition, and Economic Delevopment. Journal of Economic Literature 36, 766-817.
" Van Ours, J. (2004): A pint a day raises a man's pay; but smoking blows that gain away. Journal of Health Economics 23, 863-886.

7. Gesundheit und Arbeitsmarkt: Krankheitsbedingte Fehlzeiten

" Jan Erik Askildsen, Espen Bratberg And Øyvind Anti Nilsen (2000): Sickness Absence over The Business Cycle. Working Paper In Economics No. 0400. University of Bergen.
" Johannesson, P & Palme, M. (2002): Assessing the Effect of Public Policy on Worker Absenteeism. Journal of Human Resources 37, 381-409.
" Ichino, A. & Riphahn, R. (2005): The Effect of Employment Protection on Worker Effort: A Comparison of Absenteeism During and After Probation. Journal of the European Economic Association 3 (1), 120-143.
" Ichino, A. (2005): Absenteeism, Gender, and Biological Differences. Mimeo, European University Institute.

8. Gesundheit und Arbeitsmarkt: Erwerbs- /Berufsunfähigkeit

" Aarts, L.J.M., R.V. Burkhauser, Ph.R. de Jong (eds.) (1996). Curing the Dutch Disease, An International Perspective on Disability Policy Reform, Aldershot: Avebury.
" Haveman, R. & Wolfe, B. (2000): The Economics of Disability and Disability Policy. Handbook of Health Economics, Ch. 18, Elsevier..
" Riphahn, R. (1997): Disability retirement and unemployment - substitute pathways for labour force exit? An empirical test for the case of Germany. Applied Economics 29, 551-561.

9. Gesundheit und Arbeitsmarkt: Renteneintritt

" Bazzoli, G.J. (1985): The Early Retirement Decision: New Empirical Evidence on the Influence of Health, The Journal of Human Resources, 20 (2), pp. 214-234.
" Bound, J. (1991): Self-Reported versus Objective Measures of Health in Retirement Models. The Journal of Human Resour ces, 26, 1, 106-138.
" Dwyer, D.S. and Mitchell, O.S. (1999): Health problems as determinants of retirement: Are self-rated measures endogenous? Journal of Health Economics 18 (1999), p. 173-193.
" Larsen, M. & Datta Gupta, N. (2003): The Impact of Health on Individual Retirement Plans: a Panel Analysis comparing Self-reported versus Diagnostic Measures. Mimeo, Danish National Institute of Social Research.
" Karpansalo, M., Manninen, P., Kauhanen, J., Lakka, T.A. & Salonen, J.T. (2004). Perceived health as a predictor of early retirement. Scandinavian Journal of Work

Environment and Health, 30, 287-292

10. Nutzung von Gesundheitsdienstleistungen und Prävention

" Kenkel, D. (2000): Prevention. Handbook of Health Economics, Ch. 31, Elsevier..
" Wagstaff, A. & van Doorslaer, E. (2000): Equity in Health Care Finance and Delivery. Handbook of Health Economics, Ch. 34, Elsevier.
" Skinner, J. & Zhou, W. (2004): The Measurement and Evolution of Health Inequality: Evidence From the U.S. Medicare Population. NBER Working Paper 10842.

11. Geschlechtsunterschiede in Morbidität und Mortalität

" Case, A. & Paxson, C. (2005): Sex Differences in Morbidity and Mortality. Demography 42 (2), 189-214.
" Verbrugge, L.M. (1989) The twain meet: empirical explanations of sex differences in health and mortality. Journal of Health and Social Behavior 30 (3):282-304.

12. Soziale Ungleichheit in Gesundheit und Sterblichkeit: Warum leben Reiche länger?

" Smith, J. (1999), 'Healthy bodies and thick wallets: the dual relationship between health and economic status'. Journal of Economic Perspectives 13 (2), 145-166.
" Wagstaff, A. & van Doorslaer, E. (2000): Equity in Health Care Finance and Delivery. Handbook of Health Economics, Ch. 34, Elsevier..

13. Soziale Ungleichheit und Gesundheit: Macht Ungleichheit krank?

" Wilkinson RG. Unhealthy societies: the afflictions of inequality. London: Routledge, 1996.
" Wilkinson RG. Income distribution and life expectancy. BMJ 1992; 304: 165-168
" Daly M, Duncan G, Kaplan GA, Lynch JW. Macro-to-micro linkages in the inequality-mortality relationship. Milbank Mem Fund Q 1998; 76: 315-339.
" S. Deaton, "Health, Inequality, and Economic Development" Journal of Economic Literature, (41) (March 2003), pp. 113-58.

14. Makroökonomische Einflüsse auf die Gesundheit

" Gerdtham, U-G, Johannesson, M (2005) Business Cycles and Mortality: Results from Swedish Microdata', Social Science and Medicine 60 (1), 205-218.
" Laporte, A (2004) Do Economic Cycles Have a Permanent Effect on Population Health? Revisiting the Brenner Hypothesis, Health Economics, 13 (8), 767-79.
" Ruhm, CJ (2004) Macroeconomic Conditions., Health and Mortality. NBER Working Paper 11007.

Course title: Ökonomische Analyse von Gesundheit und Lebenserwartung
Instructors: PD Dr. Hendrik Jürges
Method (hours per week): seminar (2)
Prerequisites: lecture „Grundlagen der Ökonometrie“ or equivalent
Examination: seminar paper, oral presentation
ECTS-Credits: 6
Course description: This seminar deals with the economics of health and longevity from a micro-analytic perspective. The literature will focus on microeconometric studies based on household and individual data. Institutional analyses of health insurance/health care systems are only of minor relevance. The seminar addresses students of economics and related fields with good knowledge in statistics or econometrics.
Contact person: Dr. Hendrik Jürges, MEA, L13,17, room 411, Tel 3519, Email: juerges<at>mea.uni-mannheim.de

10. Januar 2007: Bereich Hauptstudium, Wahlveranstaltungen, zusätzliche Veranstaltungen:

Multiple Time Series Analysis

Vorlesung und Übung, 4st. Trenkler, Carsten

Mo	wtl10.15-11.45	19.02.-11.06.2007	L 9, 003
Do	wtl08.30-10.00	22.02.-14.06.2007	L 7, 158
Do	wtl08.30-10.00	22.02.-14.06.2007	L 7, P044

Es werden Vektorautoregressionen (VAR), Vektorfehlerkorrekturmodelle und strukturelle VAR-Modelle vorgestellt. Neben der Schätzung, der Spezifikation und der Diagnose dieser Modelle werden auch die empirischen Anwendungsmöglichkeiten wie z.B. Prognose, Kausalitätsanalyse und Impuls-Antwort-Analyse besprochen. Die erlernten Methoden werden in Übungen am Computer angewandt. Kenntnisse in univariater Zeitreihenanalyse sind hilfreich, aber für diesen Kurs nicht unbedingt erforderlich.

Course title: Multiple Time Series Analysis
Instructor: Dr. Carsten Trenkler
Method (hours per week): lecture (2) + computer tutorials (2)
Course language: English on demand
Prerequisites: Grundlagen der Ökonometrie
Examination: written, 90 min.
ECTS-Credits: 7
Course description: The lecture gives an introduction to multiple time series techniques and will cover vector autoregressive (VAR) processes, VAR estimation, VAR order selection and model checking. Nonstationary systems with integrated and cointegrated variables as well as structural VARs will also be treated. The use of VAR models in forecasting, causality and impulse response analysis will be explained and illustrated using empirical examples. The methods will be applied in computer tutorials. Background knowledge of univariate time series methods is helpful but not required.
Textbook: Lütkepohl, H. (2005), New Introduction to Multiple Time Series Analysis, Springer, Berlin, Chapters 1-4 and 6-9, Appendices A-D.
Course outline:

1. Introduction and Overview
2. Stable Vector Autoregressive Processes
3. Estimation of Vector Autoregressive Processes
4. VAR Order Selection and Model Checking
5. Vector Error Correction Models
6. Estimation of Vector Error Correction Models
7. Specification of VECMs
8. Structural VARs and VECMs

Contact person: Dr. Carsten Trenkler, Tel. 181-1852, e-Mail: trenkler<at>wiwi.hu-berlin.de, L7, 3-5, room P05/06

Nonlinear and nonparametric time series analysis

Seminar, 2st. Schienle, Melanie

Do wtl13.45-15.15 22.02.-14.06.2007 Trenkler, Carsten L 9, 002

Course title: Nonlinear and nonparametric time series analysis
Instructors: Melanie Schienle and Dr. Carsten Trenkler
Method (hours per week): seminar (2)
Prerequisites: Very good background knowledge in time series analysis gained by either of the courses Univariate Time Series Analysis, Multiple Time Series Analysis or Financial Market Econometrics; Grundlagen der Ökonometrie (Basic Econometrics)

Course language: English on demand
Examination: Presentation and seminar paper
ECTS-Credits: 6
Course description: In this seminar, we will cover different approaches in nonlinear and nonparametric time series analysis. Seminar topics include threshold models, threshold unit root and cointegration tests, smooth transition models, Markov-switching models, long-memory models, GARCH model versions, and nonparametric models. Each student will deal with one of the model classes and present the material in the seminar including some empirical illustration. In addition, a seminar paper with a summary of the model features, estimation and testing procedures, and an empirical illustration has to be submitted. Topics will be allocated in the first session and literature will be also given in the seminar.
Contact persons: Melanie Schienle, e-Mail: mschienl<at>rums.uni-mannheim.de, L7, 3-5, room 146, Tel. 181-1928; Dr. Carsten Trenkler, e-Mail: trenkler<at>wiwi.hu-berlin.de, L7, 3-5, room P05, Tel. 181-1852

16. Januar 2007: Bereich Hauptstudium, Wahlveranstaltungen, zusätzliche Veranstaltungen:

Aktuelle Probleme der Wirtschafts- und Sozialpolitik

Doktoranden- und Diplomandenseminar, 2st. Börsch-Supan, Axel L 13, 17 308

Die Veranstaltung findet in der Regel montags im Gebäude L 13, 17, 3. OG, Bibliothek des MEA (308) statt. Uhrzeit und Vortragsplan stehen auf den Internetseiten der Einrichtung.

Topics in Dynamic Macroeconomics

Vorlesung, 2st. Ludwig, Alexander
Do wtl10.15-11.45 22.02.-14.06.2007 L 9, 003

Macro III – Topics in Dynamic Macroeconomics (Alexander Ludwig)

1. Time and location:
Lecture in the Spring Term 2007, 2 hours per week (plus some additional exercise sessions).

Time: Thursday, 10.15h-11.45h
Place: L 9, 1-2, room 003

2. First lecture: Thursday, February 22, 10.15h-11.45h

3. Office hours: t.b.a.

4. Course homepage:
To be posted somewhere on http://www.mea.uni-mannheim.de/alexludwig/

5. Addressees:
This course is designed for first year students in the CDSEM doctoral program. Advanced graduate students may also take the course.

6. Prerequisites:
Successful participation in the Macro sequence.

7. Grading and Credits:
Grading will be based on a final exam (40-50 %), a short term paper for CDSEM students (10%) (why that?, see below), problem sets (30%) and class participation (20%).

8. Concept for the course:
We will study variants of the two "workhorses" of dynamic macroeconomics in general equilibrium: the neoclassical growth model and overlapping generations (OLG) models. While both models will be analyzed, more room will be given to life-cycle economies (OLG type applications). For this reason, we will also extensively study partial equilibrium models of household behavior, e.g., the dynamics of consumption, savings, labor supply and portfolio allocation decisions over the life-cycle. Once we understand this, we will return to general equilibrium. Our general equilibrium discussion will also cover models with idiosyncratic and aggregate risk.
The course will be applied in a sense that (i) we will seek to compare certain model features with the data, (ii) we will implement some stuff on the computer and (iii) we will analyze policy questions. Among these policy questions are issues related to the distribution of income, wealth and consumption within and across generations, public finance questions and how demographic change will affect the economy in a global world. At the end of the course you will have learned how to solve simple models analytically and more complicated (but not too complicated) models numerically and how to use these models for policy analysis.
To address these questions we will take policies as given. If time permits we will glance at the vast literature on optimal fiscal policy towards the end of the course.
The course will be offered in English (unless there is a strong demand for German).

9. On the term papers
Ph.D students will be asked to write a short term paper in which they develop own research ideas. These ideas need not be necessarily closely related to the topics treated in class.

Course title: Topics in Dynamic Macroeconomics
Instructor: Dr. Alexander Ludwig
Method (hours per week): lecture (2)
Course language: English
Prerequisites: Vordiplom, Makroökonomik III
Examination: final exam, term paper, problem sets, class participation
ECTS-Credits: 5
Course description: see above
Contact person: Dr. Alexander Ludwig, Mannheim Research Institute for the Economics of Aging (MEA), L13, 17, E-mail: Ludwig<at>econ.uni-mannheim.de

22. Januar 2007: Bereich Hauptstudium, Wahlveranstaltungen, Austausch einer Veranstaltung:

~~Finanzmärkte~~

~~Vorlesung und Übung, 4st.~~ ~~Dang, Tri Vi~~
~~Di wtl 13.45-15.15 20.02.-12.06.2007~~ ~~L 7, 001~~
~~Do wtl 13.45-15.15 22.02.-14.06.2007~~ ~~L 7, 001~~

Die Veranstaltung wird durch Informationsökonomie ersetzt.

Informationsökonomie

Vorlesung und Übung, 4st. Dang, Tri Vi
Di wtl 13.45-15.15 20.02.-12.06.2007 L 7, 001
Do wtl 13.45-15.15 22.02.-14.06.2007 L 7, 001

Course title: Informationsökonomie
Instructor: Dr. Tri Vi Dang / Prof. Dr. von Thadden
Method (hours per week): lecture (3) + practical exercises (1)
Prerequisites: Vordiplom
Examination: written, 135 minutes
ECTS-Credits: 8
Course description:
This course discusses selected themes in information economics and covers the following (tentative) list of topics:
1. Search Models
2. Formal Representation of Information and Knowledge
3. The Bayesian Framework
4. Bayesian Games (Oligopoly, Auctions, Bargaining)
5. Mechanism Design
6. The Principal-Agent Framework

Contact person: Dr. Tri Vi Dang, Tel. 181-1912, dang<at>pool.uni-mannheim.de, L 7, 3-5, 3rd floor, room 3.03

22. Januar 2007: Bereich Grundstudium, Änderung der Dozenten:

Empirische Volkswirtschaftslehre

Vorlesung, 2st. Trenkler, Carsten
Mi wtl 13.45-15.15 21.02.-13.06.2007 ~~Börsch-Supan, Axel~~
~~Weiss, Matthias~~ A 5 B144

8./15. Februar 2007: Bereich Bachelorstudium, Übungen:

Die Übungen zur **Mikroökonomik A** finden in 30 Parallelgruppen statt. Termine und Dozenten sowie weitere Informationen zur Veranstaltung finden Sie im dotLRN-System (Lehrstuhl Wirtschaftstheorie).

Die Übungen zur **Statistik I** finden Sie auf der Webseite http://www2.vwl.uni-mannheim.de/index.php?id=34