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EXPERTISE AND RESEARCH INTERESTS

- Health disparities, social determinants of health, health promotion economics, economics of obesity, economic evaluation, public health workforce, applied statistics, spatial econometrics.
- Refining and applying methods in measuring health disparities, e.g., health concentration index, health achievement index; evaluating the health effects of federal programs among low income population.
- Conducting economic evaluation of public health programs, interventions, and policies.
- Applying cross-sectional and panel data methods (e.g., generalized linear models, dynamic discrete choice models, fixed and random effects models, instrumental variable, and propensity score methods).
- Using the following software proficiently: SAS, Stata, Gauss, RATS, Limdep, ArcGIS, and TreeAge Pro.
- Using national health surveys (i.e., NHANES, NHIS), panel surveys (i.e., NLSY79, CHNS), and telephone-based cross-sectional surveys (i.e., Behavior Risk Factors Surveillance Survey).

WORKING/RESEARCH EXPERIENCE

- **Economist & Prevention Effectiveness Fellow** (07/2006-07/2008): Office of Workforce & Career Development (OWCD) and Office of Strategy and Innovation (OSI), Centers for Disease Control & Prevention

Projects:

- (1) Socioeconomic-related health inequalities (Responsibilities: Examine the income-related health disparities in U.S. and refine related econometric methods; Outcomes: one manuscript (lead author) under review of *Journal of Health Economics*, a technical note (lead author) under submission, a Stata module published online, and two working papers (one lead author) on health achievement index and concentration index).
- (2) Determinants of mortality and self-perceived health in the United States (Responsibilities: Assembled a state-level dataset and conducted panel data analyses; Outcome: a manuscript (lead author) under submission).
- (3) Refining prevention and public health related expenditure (Responsibilities: Critically reviewed the methods used in calculating prevention and public health related expenditure; Outcome: an internal report reviewed by OWCD Director Dr. Stephen B. Thacker and the Chief Policy Officer Dr. Anne Haddix).
- (4) Personnel economics research (Responsibilities: Examine the sexual disparities in promotion in the CDC workforce; Outcome: a manuscript (lead author) under preparation).
- (5) Technical assistances for OSI (Responsibilities: Providing write-up on population health projection and professional budget justification for the CDC Chief Policy Office).
- (6) Prevention Effectiveness (Responsibilities: Reviewed prevention effectiveness studies; Outcome: a book chapter draft).

- **Postdoctoral Scholar** (9/2005-7/2006): Chicago Ctr. of Excellence in Health Promotion Econ, Univ. of Chicago

Project: Social determinants of health (Responsibilities: conduct health economics research, statistical analysis, manuscript preparation; Outcome: A publication (lead author) in *Social Science & Medicine* and another under submission).

- **Postdoctoral Research Associate** (08/2004-08/2005): Univ. of Tennessee Knoxville (Agricultural Economics)

Project: Food stamp program participation, nutrition status, and food insecurity.

(Responsibilities: literature review, econometric analyses, and manuscript preparation; Outcomes: One manuscript (lead author) published and another forthcoming in *American Journal of Agricultural Economics*).

PROFESSIONAL POSITIONS

- 2006-2007: **Subject Matter Expert** (obesity), Accelerating Collaboration on Health Disparities Research – A Federal Partners SME Meeting, Atlanta, GA.
- 2008-2009: **Steering Committee member**, the Health Economics Research Group (HERG), CDC.
- 2007: **Member**, Public Health Ethics Committee, Office of Workforce and Career Development, CDC

EDUCATION

Iowa State University Ames, Iowa

Ph.D. in Economics, August 2004

M.S. in Statistics, May 2002

University Of Science & Technology Of China, School of Business, Hefei, China

M. Management in Management Science, June 1999

B.S. in Management Science, July 1996

POSTDOCTORAL TRAINING

The University Of Chicago Chicago, Illinois

Health Promotion Economics, Fall 2005; Cost Effectiveness Analysis, Fall 2005; Program Evaluation, Spring 2006; HIPAA Compliance (HCCS) Oct. 2006.

The Centers for Disease Control and Prevention Atlanta, Georgia

Applied Decision Analysis (TreeAge) training; Nov. 13-15, 2006; Basic Survey Sampling, Nov. 16-17, 2006; Applied Survey Analysis (SUDAAN) training, Dec. 11-13, 2006; DataProbe training, April 2, 2007; MEPS training, May 22-23, 2007; Health Econometrics workshop (by Andrew Jones), August 16-17, 2007; Applied Spatial Statistics (by L Waller and C.G. Crawford) September 18-19, 2007; Talk So People Listen (by SpeakEasy Inc., 24 CPE credits) Dec 5-7, 2007.

SELECTED PUBLICATIONS & WORK IN PROGRESS

1. **Zhuo Chen** & Kakoli Roy, “Calculating concentration index with repetitive values in the welfare variable” Submitted to *Journal of Health Economics*.
2. **Zhuo Chen**, Kakoli Roy, Anne Haddix, and Stephen Thacker “Mortality and self-perceived health in the United States: A state-Level analysis.” under submission.
3. **Zhuo Chen** & Kakoli Roy, “Revisiting the bounds of concentration index when the variable of interest is binary” under submission.
4. Kakoli Roy, **Zhuo Chen**, Anne Haddix, Stephen B. Thacker “Income-Related Inequalities in Obesity and Disability in the United States, 1985-2004” work in progress.
5. **Zhuo Chen**, Kakoli Roy, & Carol Crawford C “Statistical Inference of the Health Achievement Index: With an Empirical Application Using the Current Population Survey”. work in progress (Accepted for presentation at ASHE 2008).
6. **Zhuo Chen**, Kakoli Roy, Anne Haddix, Stephen B. Thacker “Refining prevention and public health related expenditure” Mimeo.
7. **Zhuo Chen**, David Meltzer, “Beefing up with the Chans: Evidence for the effects of relative income and income inequality on health from the China Health and Nutrition Survey” Accepted, *Social Science & Medicine*.
8. **Zhuo Chen**, Seong-Hoon Cho, Neelam Poudyal, and Roland Roberts “Forecasting House Prices under Different Market Segmentation Assumptions” Accepted, *Urban Studies*.

9. Steven Yen, Margaret Andrews, **Zhuo Chen**, David Eastwood “Food Stamp Program Participation and Food Insecurity: An Instrumental Variables Approach”, *American Journal of Agricultural Economics* 2008, 90(1).
10. **Zhuo Chen**, “Development and inequality: an endogenous switching regression approach”, *Economics Letters* 2007, August 96(2) 269-274.
11. **Zhuo Chen**, Steven T. Yen, David B. Eastwood. “Does cigarette consumption have a causal effect on weight reduction?” *Journal of Family and Economic Issues* 2007, 28:49-67.
12. **Zhuo Chen** and Yuhong Yang. “Time Series Models for Forecasting: Testing or Combining?” *Studies in Nonlinear Dynamics & Econometrics* 2007, 11(1), Article 3. <http://www.bepress.com/snede/vol11/iss1/art3>
13. Seong-Hoon Cho, **Zhuo Chen**, Steven T. Yen, David B. Eastwood “The effects of urban sprawl on body mass index: where people live does matter” *Consumer Interest Annual* 2006, 52:159-169.
14. **Zhuo Chen**, David Eastwood, Steven Yen. “A decade’s story of childhood malnutrition inequality in China: Where do you live does matter” *China Economic Review* 2007, 18:139-154.
15. **Zhuo Chen**, Steven Yen. “On bias correction in the multivariate sample-selection model” *Applied Economics*, 2005, 37:2459-2468.
16. **Zhuo Chen**, Steven Yen, David Eastwood. “Effects of food stamp participation on body weight and obesity” *American Journal of Agricultural Economics* 2005, 87:1167-73.
17. Steven Yen, **Zhuo Chen**, David Eastwood. “Lifestyle and obesity: a multi-regime switching regression analysis with an endogenous regressor” submitted to *Economics & Human Biology*.
18. David O. Meltzer, **Zhuo Chen** “The Impact of Minimum Wage Mandate on Body Weight: Evidence from the Behavioral Risk Factor Surveillance System: 1984-2005” Under submission to *New England Journal of Medicine*
19. **Zhuo Chen** & Qi (Harry) Zhang “Revisiting the trends in the association between Food Stamp Participation and bodyweight status: Evidence from the National Longitudinal Survey of Youth 1979 cohort” Under submission
20. Yuhong Yang & **Zhuo Chen**, “Assessing forecasting accuracy measures” Under submission.
21. Steven T. Yen, Seong-Hoon Cho, **Zhuo Chen** “Urban Sprawl, physical activity, and obesity: Are there gender differences?”, under submission.

BOOK CHAPTERS

1. with Haddix A, Roy K “Prevention Effectiveness” in *Principles of Public Health Practice*, 3rd eds., in preparation.

SOFTWARE

1. **Zhuo Chen**, “CONCINDC: Stata module to calculate concentration index with both individual and grouped data”, Statistical Software Components, Boston College, Department of Economics. 2007-01-11. <http://econpapers.repec.org/software/bocbocode/S456802.htm>

SELECTED PRESENTATIONS

(Presenters underlined)

1. Roy K., Chen Z., Haddix A., and Thacker SB “Income-Related Inequalities in Obesity and Disability in the United States, 1985-2004”, The 6th World Congress of the International Health Economics Association (iHEA), Copenhagen, July 6-11, 2007
2. Zhang Q., Z Chen “Impact of Local Food Prices on the Relationship between Food Stamp Program Participation and Bodyweight Status of Adults in the South”, The 6th World Congress of the International Health Economics Association (iHEA), Copenhagen, July 6-11, 2007
3. David O. Meltzer, Zhuo Chen “The Impact of Minimum Wage Mandate on Body Weight: Evidence from the Behavioral Risk Factor Surveillance System: 1984-2005” The 6th World Congress of the International Health Economics Association (iHEA), Copenhagen, July 6-11, 2007

4. Zhuo Chen, David Eastwood, Steven Yen. "A decade's story of childhood malnutrition inequality in China: Where do you live does matter" The 6th World Congress of the International Health Economics Association (iHEA), Copenhagen, July 6-11, 2007.
5. Steven T. Yen, Zhuo Chen, David B. Eastwood. "Lifestyle, Demographics and Obesity: A Multi-Regime Switching Regression Analysis with an Endogenous Regressor". The Chinese Economists Association at North American (CEANA) at the 2007 ASSA meetings, Jan 6, 2007, Chicago.
6. Zhuo Chen, David Meltzer, "Relative Income and Health Status in China: Keeping up with the Chans" The Chinese Economist Society 2006 Annual Conference, Shanghai, July 2-4.
7. Zhuo Chen, "Development and inequality: an endogenous switching regression approach" Midwest Economic Association 2006 Annual Meeting.
8. Zhuo Chen, Steven Yen, David Eastwood. "Shifting Health Inequality in China." Allied Social Science Association (ASSA) Annual Meeting, Boston, MA, January 6-8, 2006. (Joint AEA/CES session).
9. Zhuo Chen, Steven Yen, David Eastwood, "Childhood malnutrition in China: Change of inequality in a decade", *American Agricultural Economics Association Annual Meeting*, Providence, July 2005 (Refereed).
10. Zhuo Chen, Steven Yen, David Eastwood. "Does cigarette consumption have a causal effect on weight reduction?" Annual meeting of the American Council on Consumer Interests, Columbus, April, 2005 (Referred, abstract published in *Consumer Interest Annual*, 2005, 51:78-79)

INVITED PRESENTATIONS

1. Sept., 2004 "County-Level Agricultural Production Efficiency in China: A Spatial Analysis" Univ. Tennessee
2. Oct., 2005, "Effects of food stamp participation on body weight and obesity" Texas A&M University (Ag Econ)
3. May, 2006, "Relative Income and Health Outcomes in China: Keeping up with the Chans" University of Iowa
4. June, 2006, "Relative Income and Health Outcomes in China: Keeping up with the Chans" Fudan University
5. November, 2007, "Food Stamp Program Participation, Food Insecurity, and Obesity" Michigan State University

GRANTS/AWARDS

- 2004: The CES (the Chinese Economist Society) travel grant \$800
- 2003-2004: ABD Award (Graduate School, Iowa State University)
- 2003-2004: Professional Advancement Grant (Graduate School, Iowa State University)
- 1999-2004: Graduate College Scholarship (Graduate School, Iowa State University)
- 1999-2000: PACE Award (Graduate School, Iowa State University)
- 1999: Procter & Gamble Fellowship (University of Science and Technology of China)
- 1997: Huawei Fellowship (University of Science and Technology of China)

REFeree SERVICE

* Numbers in parentheses indicate the year and the numbers of manuscripts/abstracts reviewed.

- Referee service: *Lancet* (2007), *Social Science & Medicine* (2008; 2007), *China Economic Review* (2008; 2007), *Health Economics* (2007:2, 2006:1), *Urban Studies* (2007), *Economics and Human Biology* (2006:3), *Journal of Family and Economic Issues* (2006:2, 2005:1), *Agricultural Economics* (2006), *Discussion Paper Series*, Center for Development Research (ZEF) at the Univ. of Bonn (2006), *Economic Development and Cultural Change* (2005), *Science of the Total Environment* (2005), *American Council of Consumer Interest Annual meeting* (2005), *American Agricultural Economics Association annual meeting selected paper* (2007:4, 2008:14)
- Book Chapter Reviewer for: *China's Agricultural Development* (2006:3).
- Book proposal reviewer: Oxford University Press (2007)

PROFESSIONAL SERVICE

- Discussant for: Annual Meeting of AAEA 2004 (Denver), Midwest Economics Association meeting 2003 (Chicago) and 2006 (Chicago), The Chinese Economists Society 2004 (Hangzhou) and 2006 (Shanghai) Annual Conferences; The Chinese Economists at North America (CEANA) 2007 Annual Conference (Chicago); The International Health Economics Association 2007 World Congress (Copenhagen), Discussant for Univ. Chicago/Northwestern-USDA Food Assistance Small Grant Program workshop (2005), Federal Reserve Bank System Committee on Applied Microeconomics Annual Meeting and Conference, May 24–25, 2007, Atlanta, GA
- 2007: Session co-organizer, International Health Economics Association, Copenhagen, Denmark. “Policy Perspectives on Obesity, Disability and the Vulnerable Populations”.
- 2007: Expert Panel member: National Scientific Council on the Developing Child meeting, Oct 17, 2007.

PROFESSIONAL AFFILIATION

- American Economics Association
- Chinese Economists Society
- Econometrics Society
- American Agricultural Economics Association
- Toastmaster International
- International Health Economics Association

ADDITIONAL SKILLS

- SAS, S-plus, Mathematica, Gauss, RATS, Stata, R, PERL, LaTeX, MS Office, LIMDEP, ArcGIS, TreeAge

REFERENCES

- Available upon request.