

孟椿雨

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🎓 教育背景

中国石油大学（北京）本科优秀毕业生

主修：能源经济 综合测评排名：9/40 2016 年 – 2020 年

- 课程：中级宏微观经济学、计量经济学、环境经济学、能源金融、气候变化经济学、能源政策。
- 毕业论文：《北京地区农村“煤改气”全成本收益研究》

辅修：计算机科学与技术 2017 年 – 2020 年

- 课程：高级语言程序设计、软件工程、计算机网络、信息安全、数据结构、数据库、操作系统。
- 毕业论文：《基于街景图像识别的商业景气度估计》

💼 工作经历

香港中文大学（深圳）经济管理学院研究助理及教学助理 2020 年 12 月 – 至今

- 2020 年春季助教课程：DMS2051 (IT in Business Applications)
- 2021 年秋季助教课程：MIS3302 (Big Data Analytics), ECO3121 (Introductory Econometrics)

北京卡本能源咨询有限公司 咨询与商务经理 2020 年 7 月 – 2020 年 10 月

- 作为温室气体核查员编写河北、辽宁生态环境厅碳核查报告，北京碳市场企业配额交易，筹备浙江开化林业局 CCER 碳汇市场注册，走访延长石油各采油厂煤改气节能现状及企业招投标等工作。

北京低碳清洁能源研究所 数据工程与分析部 2018 年暑期 & 2019 年寒假

实习 中国工程院能源专业知识服务系统建设 [访问系统]

编写爬虫抓取采集能源数据，录入整理能源书籍文献，平台系统建设与测试，2019 年实习生负责人。

📖 科研经历

京津冀城市群碳排放时空演化及减排政策评估 2019 年 5 月 – 2020 年 4 月

主持 国家级大学生科技创新项目 [可视化地图]

在京津冀城市碳排放测算的基础上，运用空间计量对其时空演化分析，对减排政策路径进行评估。

我国商业银行绿色信贷环境绩效的成本收益研究 2018 年 5 月 – 2019 年 4 月

主持 国家级大学生科技创新项目 [PDF 下载]

从银行和社会两个角度，对绿色信贷成本收益进行核算。总结了核算的基本步骤和方法，并建立了价值货币化的节水、节能、大气和水体污染物减排模型及人体疾病死亡率降低模型。

- 获大学生科技创新创业训练计划项目结题成果二等奖 (8/354)。
- 论文已被 CSSCI 期刊《中国环境管理》发表。

基于学生与经营者双利的高校学生食堂经营管理模式改进研究 2017 年 5 月 – 2018 年 4 月

主持 国家级大学生科技创新项目 [PDF 下载]

调查高校食堂经营管理现状，分析高楼层食堂如何布局能提升整体效益，沟通解决食堂经营管理问题

- 获大学生科技创新创业训练计划项目结题成果一等奖 (3/458)。

📄 出版物

[1]. 林绿, 孟椿雨, 刘慧, 刘蒙, 张奇. 中国绿色信贷成本收益核算研究 [J] 中国环境管理, 2020, 12(05): 115-124. 国家自然科学基金项目 (71904203) [PDF 下载]

- 识别量化商业银行绿色信贷实施成本与环境收益，为其环境外部性内生化了提供了科学的分析方法。

[2]. 杨曦, 孟椿雨, 林竞立, 王佳豪. 非首都功能疏解政策下北京四大功能区碳排放时空演化及区域异质性影响研究 [J] 中国地质大学学报 (社会科学版), 2021, 21(2): 110-122. [PDF 下载]

- 基于 IPCC 测算法计算北京市四大功能区工业能源碳排放强度, 对各区人口、就业、技术、能源、碳排放、工业化等因素对碳排放强度的影响进行分解。 国家自然科学基金项目 (71704187)

[3]. 孟椿雨, 刘新村. 汽油消费减少现象值得探讨 [N] 中国石油报, 2017, 6919: 4. [PDF 下载]

- 分析 2017 年在汽车保有量增长前提下，汽油表观消费量却下降的原因。结果得出：爆发增长的共享单车对汽油表观消费量影响仅 1.02%，地炼去库存才是引发降价潮的真正原因。

MENG CHUNYU

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🎓 EDUCATION

China University of Petroleum-Beijing (CUPB) *Outstanding Graduates* in B.Econ

Majoy: Energy Economy Comprehensive Evaluation: 9/40. 2016 – 2020

- Courses: Intermediate Macro & Microeconomics, Econometrics, Energy Finance, Environmental Economics, Climate Change Economics, Energy Strategy and Policy, Operations Research.
- Graduation Thesis: *Complete Cost Benefit of Coal-to-Gas in Beijing Rural Area*

Minor: Computer Science 2017 – 2020

- Courses: Advanced Programming Language, Software Engineering, Computer Networks, Information Security, Data Structure, DataBase System, Operating System.
- Graduation Thesis: *Measuring Business Prosperity using Street-Level Imagery of Machine Learning*

💼 WORKING EXPERIENCE

Chinese University of Hong Kong - SZ Research Associate at Dept. of Economics Dec. 2020 – Now

- TA in SP/2020: DMS2051 (IT in Business Applications).
- TA in FA/2021: MIS3302 (Big Data Analytics), ECO3121 (Introductory Econometrics).

Beijing Karbon Consulting Co., Ltd, Consulting and Business Manager Jul. 2020 – Oct. 2020

- Carbon Verification in Hebei and Liaoning Province commision by local government, Beijing Emission Allowances Trading, Verified Carbon Standard Program in Kaihua County, Zhejiang Province, Investigation in Shaanxi Yanchang Petroleum (Group) Co., Ltd for an European Utility Requirements Program...

National Institute of Clean-and-Low-Carbon Energy, Data Analysis Department 2018 – 2019

Intern Construct Energy Professional Knowledge Service System of Chinese Academy of Engineering

- Crawled data, inputted and Sorted data, tested system services. Internship manager in 2019.[Enter Website]

📖 STUDY EXPERIENCE

Spatial and Temporal Evolution of Carbon Emissions in Beijing-Tianjin-Hebei and Assessment of Emission Reduction Policies: Based on Spatial Econometric Analysis Mar. 2019 – Apr. 2020

Leader National University Students Science and Technology Innovation Project

On the basis of the calculation of carbon emissions in Beijing-Tianjin-Hebei, the spatial and temporal evolution analysis is used to evaluate the path of emission reduction policy. [Video Download]

Research on Cost-benefit of Green Credit Environment Performance of China's Commercial Banks Mar. 2018 – Apr. 2019

Leader National University Students Science and Technology Innovation Project

From the case of 21 major banks in China, the project establishes a cost-benefit model of commercial banks' green credit environment performance in the perspective of banks and society. [PDF Download]

- Award: The 2nd Price on College Students' Innovation and Entrepreneurship Training Plan (8/354).

Research on the Improvement of University Student Canteen Management Based on Student's and Operator's 'Double Benefits' Mar. 2017 – Apr. 2018

Leader National University Students Science and Technology Innovation Project

Investigated the management of the universities canteens, analyzed how to layout of high-floors can improve the overall efficiency, and solved the problems in canteen management. [PDF Download]

- Award: The 1st Price on College Students' Innovation and Entrepreneurship Training Plan (3/458).

📄 PUBLICATIONS

[1]. Lin lv, Meng Chunyu, Liu Hui, Liu Meng, Zhang Qi. "Research on Cost-Benefit Evaluation of Green Credit in China" [J] *Chinese Journal of Environmental Management*, 2020, 12(05): 115-124. [PDFDownload]

- Identify and quantify the cost and environmental benefits of green credit implementation of China's commercial banks, and provide a scientific analysis method for the externality of green credit environment.

[2]. Yang Xi, Meng Chunyu, Lin Jingli, Wang Jiahao "Study on the spatiotemporal evolution of carbon emissions and the Regional heterogeneity influences of the four functional areas under the Beijing non-capital functions relocation policy"[J]. *Journal of China University of Geosciences (Social Sciences Edition)*, 2021, 21(2): 110-122. [PDF Download]

[3]. Meng Chunyu, and Liu Xincun, "The Phenomenon of Gasoline Consumption Reduction is Worth Exploring" *China Petroleum Daily* (2017) 31 Aug, p.4. [PDF Download]

[4]. “第 1 章：国际天然气产业链发展及区域定价中心分析, 第 5 章：亚太区域天然气定价中心形成分析”, 刘毅军等, 天然气产业链视角区域定价中心研究 [M]. 石油工业出版社, 2020. [专著订阅]

- 对区域天然气定价中心进行研究，经授权对《东亚地区天然气与液化天然气贸易中心——中心基准价格指数和目的地灵活性》一文进行翻译。国家科技重大专项资助项目 (2016ZX05037006-003)

✍️ 工作论文

- [1]. 国际能源商品市场的月度波动影响 北京市自然科学基金 (9164034)
- 基于回归条件异方差模型，对美国原油、汽油、取暖油、天然气期货和现货商品价格的月度效应进行了实证分析。结论显示大部分能源类商品均存在着显著的三月份效应。 [PDF 下载]

🏆 获奖 & 荣誉

- 一等奖, 第四届中国石油大学（北京）能源经济学术创意大赛 2019 年 5 月
- 提交论文《北京四大功能区工业碳排放时空演化及影响因素研究——基于疏解非首都功能政策》。基于 IPCC 测算法计算北京市四大功能区工业能源碳排放强度, 对碳排放强度的影响进行分解。
 - 并获：第五届全国大学生能源经济学术创意大赛二等奖
- 二等奖, 第一届“尖峰时刻”商业银行管理模拟大赛全国总决赛 2018 年 5 月
- 经营尖峰时刻商业银行模拟系统。对商业银行表内外业务的经营管理、市场风险控制、人力资源分配管理等有全面认识。
- 二等奖, 第五届全国高校商业精英挑战赛暨两岸三地营销模拟决策竞赛大陆赛区 2017 年 9 月
- 经营国泰安企业营销仿真系统，对营销、生产、人事、财务及企业情报进行决策。对企业管理和 market 分析决策有全面的认识。
- 三等奖, 第十六届五一数学建模竞赛 2019 年 6 月
- 基于 Panel Data 和灰色预测模型，根据美国 NASDAQ 市场的平均市销率，并综合中国股票市场估值溢折价，建模解决了中国科创板拟上市企业估值问题。 [PDF 下载]
- 三等奖, 第十一届“东风汽车杯”全国大学生节能减排社会实践与科技竞赛 2018 年 8 月
- 参与设计“一种新型手持重金属检测试剂盒”，利用 S,N-CDs 作为荧光探针检测重金属含量。具有成本低、检测速度快、灵敏度高、环境友好等特性。在水资源污染监测等方面有极高的应用价值。

其他荣誉：优秀毕业生 | 三等奖学金 | 科技创新先进个人 | 优秀学生干部 | 三好学生

🧑‍🎓 课外活动

- 创新驱动经济转型体验行动 2018 年 7 月 – 2018 年 8 月
- 参与 暑期大学生社会实践活动 [PDF 下载]
- 走访调查北京市 8 家创业孵化园区，参观优秀大学生初创企业，对高校大学生创业环境提出建议。
- 获暑期大学生社会实践活动结题成果一等奖 (11/249)。

- 京津冀协同一体化发展青年观察行动 2017 年 7 月 – 2017 年 8 月
- 参与 暑期大学生社会实践活动
- 深入京津冀地区走访调查，观察各地发展布局及现状，聚焦天津与雄安新区疏解北京非首都功能。
- 校园活动 2018 年 9 月 – 2019 年 9 月
- 主席 中国石油大学（北京）能源经济协会
- 承办能源经济学术大赛，采访能源经济专家学者，邀请校内外专家举办讲座，开展学术交流活动。

其他活动

- 中国石油大学（北京）学业辅导员（微观经济学） | 中国石油大学（北京）自主招生考试面试引导员 | 北京马拉松志愿者 | 北京市昌平禁毒支队禁毒志愿者 | 中华人民共和国篮球项目国家一级裁判

⚙️ 技能

- 技能：Python, Java, C++, MATLAB, ArcGIS, Stata, EViews, SPSS, SQL, Origin, LaTeX, Dw, Pr, Ps.
- 研究意向：计算机图像识别、环境经济、公共政策管理。

[4]. “CHAPTER 1: The Development of the International Natural Gas Industry Chain and Analysis of Regional Pricing Center, CHAPTER 5, SECTION 6: Scenario Simulation of Asia-Pacific’s Natural Gas Regional Pricing Center”, *Regional Natural Gas Pricing Center from the Industry Chain Perspective*, Editor-in-Chief Yijun LIU et.al. Petroleum Industry Press, 2020. ISBN: 978-7-5183-4131-3. [Monograph Subscription]

✍️ WORKING PAPERS

- [1]. The impact of monthly fluctuations in the international energy commodity market
- Based on ARCH model, analyze the monthly effects of US crude oil, gasoline, heating oil, natural gas futures and spot commodity prices. The conclusion shows significant March effects. [PDF Download]

🏆 HONORS AND AWARDS

- 1st Prize, The 4th Energy Economic Academic Innovation Competition of CUPB May 2019
- Submitted the paper ”Spatial and Temporal Evolution of Industrial Carbon Emissions in Beijing’s Four Major Functional Areas and Its Influencing Factors: Based on the Policy of Resolving Non-Capital Functions.”
 - Also Award: 2nd Prize The 5th National Energy Economic Academic Innovation Competition
- 2nd prize, ”Rush Hour” Commercial Bank Management Simulation Contest National Finals May 2018
- Operates a peak commercial bank simulation system. Have a comprehensive understanding of the business management, market risk control, and human resource allocation management of commercial bank.
- 2nd prize, The 5th National Business Elite Challenge and Cross-Straits Marketing Simulation Sep. 2017
- Operates the Enterprise Marketing Simulation System to make decisions on marketing, production, personnel, finance and corporate intelligence. A comprehensive understanding of business management.
- 3rd prize, The 16th May 1st Mathematical Modeling Contest Jun. 2019
- Based on Panel Data and gray forecasting model, analysis average market-to-sales ratio of NASDAQ and comprehensive valuation of Chinese stock. The model solves value of listed companies. [PDF Download]
- 3rd prize, The 11th National College Students’ Energy-saving and Emission to Reduction Social Practice and Technology Competition Aug. 2018
- Design a new type of handheld heavy metal detection kit using S, N-CDs as fluorescent probes to detect heavy metal content. It has the characteristics of low cost, fast detection speed, high sensitivity and environmental friendliness. It has extremely high application value in water pollution monitoring.

Honours: Outstanding Graduates | Three-class Scholarship | Advanced Individual in Scientific and Technological Innovation | Excellent Student Cadres

🧑‍🎓 EXTRACURRICULAR ACTIVITIES

- Research on Innovation Drives Economic Transformation Experience Jul. 2018 – Aug. 2018
- Principal Member University Students’ Social Practice Activities in Summer [PDF Download]
- Investigate the entrepreneurship incubation park in Beijing, get the situation of college students’ entrepreneurship and suggestions on how to build entrepreneurial environment for college students.
- Award: The 1st Price on University Students’ Social Practice Activities in Summer of CUPB(11/249).

- Research on Beijing-Tianjin-Hebei Cooperative Development Jul. 2017 – Aug. 2017
- Principal Member University Students’ Social Practice Activities in Summer
- Investigate the Beijing-Tianjin-Hebei region, observed the development layout and current situation of each place, and focused on Tianjin and Xiong’an New District in carrying out the function of Beijing’s non-capitalget.
- Campus Activities Sep. 2018 – Aug. 2019

Chief Energy Economic Association of CUPB

Host the Energy Economics Academic Competition, Interview energy economy experts, Invite experts whoever inside or outside school to hold lectures, Conduct academic exchange activities.

Volunteer Activities

USTF of CUP (Microeconomics) | Interview Guide in Independent Recruitment Examinations of CUP | Volunteer of Beijing Marathon | Anti-drug Volunteer of Anti-drug Detachment | National Basketball Referee

⚙️ SKILLS

- Skills: Python, Java, C++, MATLAB, ArcGIS, Stata, EViews, SPSS, SQL, Origin, LaTeX, Dw, Pr, Ps.
- Research Direction: Image Segmentation, Environmental Economics, Public Policy Management.