

Hanqi Luo, Ph.D., M.Sc.

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<https://scholar.google.co.in/citations?user=cVBKMiwAAAAJ&hl=en>**EDUCATION**

Ph.D. Epidemiology , University of California, Davis, CA	Nov 2017
<ul style="list-style-type: none"> • Dissertation title: <i>Modelling the Effectiveness of Micronutrient Interventions on Adequacy of Nutrient Intake among Women and Young Children in Cameroon</i> • Committee chair: Dr. Christine Stewart 	
Intercampus exchange student , School of Public Health, University of California, Berkeley, CA	Dec 2016
M.Sc. Food Policy and Applied Nutrition , Tufts University, Boston, MA	Feb 2011
B.S. Applied Chemistry , University of Science and Technology Beijing (USTB), China	Jun 2008

RESEARCH EXPERIENCE

Rollins School of Public Health, Emory University, Atlanta, GA **Jan 2021– Present**

Senior Biostatistician & Chair, BRINDA data management

- Use modern programming techniques to streamline and automate analyses of more than 40 national and subnational micronutrient biomarker datasets.
- Develop the BRINDA R package, a user-friendly and all-in-one statistical analytical package that can be used to adjust micronutrient biomarkers for inflammation.
- Supervise one junior statistician and four students to harmonize national surveys and conduct literature review and preliminary analysis.

Global Alliance for Improved Nutrition (GAIN), Washington DC **Jul 2020 – Nov 2020**

Consultant

- Co-developed a global predictive model that estimates the number of people suffering from micronutrient deficiencies. Results from this work will be used to improve global micronutrient programming.
- Developed an R software called SAMBA that can streamline the analysis of micronutrient biomarkers (such as adjusting for inflammation and estimating prevalence of deficiencies and parameters of distribution) for multiple surveys and studies.
- Estimated micronutrient deficiencies by analyzing surveys from the U.S. and Kenya.

Department of Nutrition, University of California, Davis, CA **Jan 2018 – Dec 2020**

Postdoctoral Scholar

- Collaborated with the National Cancer Institute to develop an open-access dietary analysis software (using SAS) that estimates distribution for vitamins and minerals based on a representative sample of single-day dietary data (link: <https://osf.io/aghdf/>).
- Developed nutrition modeling tools that can determine the most cost-effective micronutrient interventions using Monte Carlo sampling, multivariate analysis, and causal inferences. Results from this work have been used to guide the national nutrition strategy in Ethiopia and Cameroon.
- Trained researchers from Ethiopian Public Health Institute and Helen Keller International and Ph.D. students from University of California, Davis on SAS software as well as data management, analysis, and visualization for the above open-access dietary analysis software and nutrition modelling tools.
- Consulted for the *Global Panel on Agriculture and Food Systems for Nutrition* to develop an index that can measure global progress on improving malnutrition and reducing obesity. Results were shared with international policymakers to promote healthier diets and better nutrition.

Department of Agriculture and Resource Economics, University of California, Davis, CA **Jan 2015 – Dec 2017**

Graduate Student Researcher

- Participated in the *Copenhagen Consensus Haiti Priorise* and proposed wheat flour fortification with vitamins and minerals as the most cost-effective program for Haiti, which was ranked as a top priority for the Haiti government and later used to form the national fortification strategy (link: <https://www.copenhagenconsensus.com/haiti-priorise/news/top-priorities-haiti>). The findings were reported by the Huffington Post, Economist, and other major news channels.

- Used Cameroon as a case study to evaluate various models that predict neural tube defects prevented by folic acid fortification. The best model was selected based on the appropriateness of data inputs, the plausibility of model assumptions, and numbers of neural tube defects prevented.

Valid International, Ethiopia**Jan 2012 – Sep 2013**

Survey Coordinator and Research Manager

- Supervised the technical implementation of baseline assessments for a wide-area national coverage survey on antenatal care, women and children's diet, and child growth.
- Co-developed an analysis software (using R and uploaded to a website) that can analyze 10,000 household-level data points and provide immediate feedback to government agencies, non-profit organizations, and research teams to inform implementation of programs and policy based on the situation in specific districts.
- Led an in-depth semi-quantitative study to evaluate knowledge and attitudes around causes of and solutions to malnutrition by using factor analysis in Jimma Zone, Ethiopia.
- In partnership with Jimma University, designed and implemented research studies for the treatment of malnutrition using survival analysis.

Tufts University, Boston, MA**May 2010 – Jan 2012**

Research Assistant

- Used publicly available data from UNICEF, World Bank, and World Health Organization to co-develop a multi-dimensional nutrition index to evaluate the complexity of nutrition outcomes in developing countries, with the intention to direct global nutrition programming after 2015.
- Conducted multivariate analysis to identify patterns of U.S. dietary supplement use and examine the relationship between supplement use and certain health parameters (anthropometric measures, blood pressure, and blood lipid levels) using National Health and Nutrition Examination Survey (NHANES) datasets.
- Analyzed NHANES data to understand rice consumption patterns and develop related epidemiological questions. The results were publicized in news and major magazines, such as Women's Health.
- Used literature review and publicly available data to determine the most cost-effective sources of Omega-3 fatty acids from various plant and marine-based sources.

Feinstein International Center, Medford, MA**May 2010 – Dec 2010**

Research Assistant

- Analyzed data for a study on Community Management of Acute Malnutrition in Bangladesh.
- Compiled findings into a report that was highly praised by the Bangladesh Government and later led to the national implementation of this nutrition program to address child malnutrition.

TEACHING EXPERIENCE**Lecturer**University of California, Davis: Dietary Analysis Series **2018**University of California, Davis: Nutritional Epidemiology (NUT113) **2017****Guest Lecturer**University of California, Berkeley: Global Health: A Multidisciplinary Examination (PH112) **2018**University of California, Berkeley: Nutrition in Developing Countries (PH118) **2017**University of California, Davis: Population Health (MDS 214) **2017**University of California, Davis: Nutritional Epidemiology (NUT113) **2015**Tufts University: Advanced Data Analysis (NUT394) **2011****Teaching Assistant**University of California, Davis: Nutritional Assessment (NUT112) **2015**University of California, Davis: Nutritional Epidemiology (NUT113) **2014**Tufts University: Advanced Regression Analysis for Nutrition Policy (NUT308) **2010****Contributor**Online learning website: introduction to statistics (link: <http://onlinestatbook.com/>). **2009-2010**

HONORS AND AWARDS

University of California, Davis:	2021
Marie Weldon Taubeneck Research Award for excellence in publication of scholarly works	
American Society for Nutrition:	2018
Emerging Leader in Nutrition Science Poster Competition, 1 st place.	
IC-FOODS (International Conference + Consortium + Center for Food Ontology, Operability, Data and Semantics): Best poster at Data/Information/ Visualization session.	2017
American Society for Nutrition:	2016
Emerging Leader in Nutrition Science Poster Competition, Finalist.	
University of California, Davis:	2016
Dean's Award: Ellen Gold Fellowship (\$6,000); Carpenter Travel Award (\$2,000); Jastro-Shield Research Award (\$3,000), PICN Experimental Biology Travel Award (\$500); Graduate Group of Epidemiology Fellowship (\$8,000)	
University of California, Davis: Graduate Group of Epidemiology Fellowship (\$5,000).	2014
Tufts University: The Joan M. Bergstrom Student Award for Excellence in Global Nutrition.	2012
American Society of Nutrition: Vitamin & Mineral RIS Poster Competition, Finalist.	2012
Tufts University: Tuition Scholarship	2008-2011

PUBLICATIONS

1. Haile, D.; Engle-Stone, R.; Caswell, B. L.; **Luo, H.**; Dodd, K. W.; Arnold, C. D.; Jobarteh, M.; Haskell, M. J.; Palmer, A. Simulated Impact of Vitamin A Fortified Sugar on Dietary Adequacy and Association of Usual Sugar Intake With Plasma and Breast Milk Retinol Among Lactating Women in Rural Zambia. *Under National Cancer Institute clearance.*
2. Vosti, S. A.; Adams, K. P.; Michuda, A.; **Luo, H.**; Woldegebreal, D.; Chou, V.; Clermont, A.; Teta, I.; Ndjebayi, A. O.; Kagin, J.; Assiene, J. G.; Engle-Stone, R. Impacts of Micronutrient Intervention Programs on Effective Coverage and Lives Saved: Modelled Evidence from Cameroon. *Ann NY Acad Sci. Revision.*
3. **Luo, H.**; Dodd, K. W.; Arnold, C. D.; Engle-Stone, R. Advanced dietary analysis and modeling: a deep dive into the National Cancer Institute method. *Journal of Nutrition. Accepted with revision.*
4. Girma, T.; James, P. T.; Abdissa, A.; **Luo, H.**; Getu, Y.; Fantaye, Y.; Sadler, K.; Bahwere, P. Nutrition Status and Morbidity of Ethiopian Children after Recovery from Severe Acute Malnutrition: Prospective Matched Cohort Study. *PLoS ONE* **2022**, *17* (3), e0264719. <https://doi.org/10.1371/journal.pone.0264719>.
5. Haile, D.; Brown, K. H.; McDonald, C. M.; **Luo, H.**; Jarvis, M.; Teta, I.; Ndjebayi, A.; Martial, G. A. J.; Vosti, S. A.; Engle-Stone, R. Applying Zinc Nutrient Reference Values as Proposed by Different Authorities Results in Large Differences in the Estimated Prevalence of Inadequate Zinc Intake by Young Children and Women and in Cameroon. *Nutrients* **2022**, *14* (4), 883. <https://doi.org/10.3390/nu14040883>.
6. Tanous, O.; Levin, C.; Suchdev, P. S.; **Luo, H.**; Rinawi, F. Resolution of Iron Deficiency Following Successful Eradication of Helicobacter Pylori in Children. *Acta Paediatrica* **2022**, apa.16255. <https://doi.org/10.1111/apa.16255>.
7. Adams, K. P.; **Luo, H.**; Vosti, S. A.; Kagin, J.; Ngnie-Teta, I.; Ndjebayi, A.; Assiene, J. G.; Engle-Stone, R. Comparing Estimated Cost-effectiveness of Micronutrient Intervention Programs Using Primary and Secondary Data: Evidence from Cameroon. *Ann. N.Y. Acad. Sci.* **2021**, nyas.14726. <https://doi.org/10.1111/nyas.14726>.
8. Engle-Stone, R.; Haile, D.; **Luo, H.** We Pose Some Uncertainties in the Analysis of National Trends in Iron Intake and Risk of Deficiency, but Support the Need for Addressing Iron Deficiency among Vulnerable Groups in the United States. *The Journal of Nutrition* **2021**, nxab360. <https://doi.org/10.1093/jn/nxab360>.
9. Wang, L.; Martínez Steele, E.; Du, M.; Pomeranz, J. L.; O'Connor, L. E.; Herrick, K. A.; **Luo, H.**; Zhang, X.; Mozaffarian, D.; Zhang, F. F. Trends in Consumption of Ultraprocessed Foods Among US Youths Aged 2-19 Years, 1999-2018. *JAMA* **2021**, *326* (6), 519. <https://doi.org/10.1001/jama.2021.10238>.
10. Noshirvan, A.; Wu, B.; **Luo, H.**; Kagin, J.; Vosti, S. A.; Ndjebayi, A.; Assiene, J. G.; Teta, I.; Nankap, M.; Engle-Stone, R. Predicted Effects and Cost-Effectiveness of Wheat Flour Fortification for Reducing Micronutrient Deficiencies, Maternal Anemia, and Neural Tube Defects in Yaoundé and Douala, Cameroon. *Food Nutr Bull* **2021**, 037957212110207. doi.org/10.1177/03795721211020716.
11. **Luo, H.**; Brown, K. H.; Stewart, C. P.; Beckett, L. A.; Clermont, A.; Vosti, S. A.; Guintang Assiene, J. M.; Engle-Stone, R. Review of Existing Models to Predict Reductions in Neural Tube Defects Due to Folic Acid

- Fortification and Model Results Using Data from Cameroon. *Advances in Nutrition* **2021**, nmab083. doi.org/10.1093/advances/nmab083.
12. **Luo, H.**; Dodd, K. W.; Arnold, C. D.; Engle-Stone, R. Introduction to the SIMPLE Macro, a Tool to Increase the Accessibility of 24-Hour Dietary Recall Analysis and Modeling. *The Journal of Nutrition* **2021**, *151* (5), 1329–1340. doi.org/10.1093/jn/nxaa440.
 13. French, C. D.; Arsenault, J. E.; Arnold, C. D.; Haile, D.; **Luo, H.**; Dodd, K. W.; Vosti, S. A.; Slupsky, C. M.; Engle-Stone, R.; The Variance Components of Nutrient Intakes Data Working Group; Engle-Stone, R.; French, C. D.; Arsenault, J. E.; Arnold, C. D.; Haile, D.; Wiesmann, D.; Martin-Prevel, Y.; Brouwer, I. D.; Daniels, M. C.; Nyström, C. D.; Löf, M.; Ndjebayi, A.; Palacios, C.; Prapkree, L.; Palmer, A.; Caswell, B. L.; Hn Brown, K.; Lietz, G.; Haskell, M.; Miller, J. Within-Person Variation in Nutrient Intakes across Populations and Settings: Implications for the Use of External Estimates in Modeling Usual Nutrient Intake Distributions. *Advances in Nutrition* **2021**, *12* (2), 429–451. doi.org/10.1093/advances/nmaa114.
 14. **Luo, H.**; Zyba, S. J.; Webb, P. Measuring Malnutrition in All Its Forms: An Update of the Net State of Nutrition Index to Track the Global Burden of Malnutrition at Country Level. *Global Food Security* **2020**, *26*, 100453. <https://doi.org/10.1016/j.gfs.2020.100453>.
 15. Haile, D.; **Luo, H.**; Vosti, S. A.; Dodd, K. W.; Arnold, C. D.; Engle-Stone, R. Micronutrient Fortification of Commercially Available Biscuits Is Predicted to Have Minimal Impact on Prevalence of Inadequate Micronutrient Intakes: Modeling of National Dietary Data From Cameroon. *Current Developments in Nutrition* **2020**, *4* (9), nzaa132. <https://doi.org/10.1093/cdn/nzaa132>.
 16. Du, M.; **Luo, H.**; Blumberg, J. B.; Rogers, G.; Chen, F.; Ruan, M.; Shan, Z.; Biever, E.; Zhang, F. F. Dietary Supplement Use among Adult Cancer Survivors in the United States. *The Journal of Nutrition* **2020**, *150* (6), 1499–1508. <https://doi.org/10.1093/jn/nxaa040>.
 17. Vosti, S. A.; Kagin, J.; Engle-Stone, R.; **Luo, H.**; Tarini, A.; Clermont, A.; Assiene, J. G.; Nankap, M.; Brown, K. H. Strategies to Achieve Adequate Vitamin A Intake for Young Children: Options for Cameroon. *Ann. N.Y. Acad. Sci.* **2020**, *1465* (1), 161–180. <https://doi.org/10.1111/nyas.14275>.
 18. **Luo, H.**; Dodd, K. W.; Arnold, C. D.; Engle-Stone, R. A New Statistical Method for Estimating Usual Intakes of Nearly-Daily Consumed Foods and Nutrients Through Use of Only One 24-Hour Dietary Recall. *The Journal of Nutrition* **2019**, *149* (9), 1667–1673. <https://doi.org/10.1093/jn/nxz070>.
 19. Mark, H. E.; Assiene, J. G.; **Luo, H.**; Nankap, M.; Ndjebayi, A.; Ngnie-Teta, I.; Tarini, A.; Pattar, A.; Killilea, D. W.; Brown, K. H.; Engle-Stone, R. Monitoring of the National Oil and Wheat Flour Fortification Program in Cameroon Using a Program Impact Pathway Approach. *Current Developments in Nutrition* **2019**, *3* (8), nzz076. <https://doi.org/10.1093/cdn/nzz076>.
 20. Engle-Stone, R.; Vosti, S. A.; **Luo, H.**; Kagin, J.; Tarini, A.; Adams, K. P.; French, C.; Brown, K. H. Weighing the Risks of High Intakes of Selected Micronutrients Compared with the Risks of Deficiencies. *Ann. N.Y. Acad. Sci.* **2019**, nyas.14128. <https://doi.org/10.1111/nyas.14128>.
 21. Engle-Stone, R., Stewart, C.P., **Luo, H.**, Vosti, S.A., and K.P. Adams. Preventive Nutrition Interventions. Copenhagen Consensus Haiti Priorise.2017 <https://www.copenhagenconsensus.com/haiti-priorise/news/usaid-and-ministry-public-health-and-population-team-fortify-wheat-flour-haiti>
 22. Vosti, S. A., Richardson, B., Engle-Stone, R., & **Luo, H.** Understanding Factors that Influence the Benefits and Costs of Rice Fortification. *Promoción de la fortificación del arroz en América Latina y el Caribe Scaling Up Rice*, 2017. 176. https://sightandlife.org/wp-content/uploads/2017/07/SAL_WFP_RiceFort_LatinAm-Understanding-Factors-that-Influence-the-Benefits-and-Cost.pdf
 23. James, P.; Sadler, K.; Wondafrash, M.; Argaw, A.; **Luo, H.**; Geleta, B.; Kedir, K.; Getnet, Y.; Belachew, T.; Bahwere, P. Children with Moderate Acute Malnutrition with No Access to Supplementary Feeding Programmes Experience High Rates of Deterioration and No Improvement: Results from a Prospective Cohort Study in Rural Ethiopia. *PLoS ONE* **2016**, *11* (4), e0153530. <https://doi.org/10.1371/journal.pone.0153530>.
 24. Webb, P.; **Luo, H.**; Gentilini, U. Measuring Multiple Facets of Malnutrition Simultaneously: The Missing Link in Setting Nutrition Targets and Policymaking. *Food Sec.* 2015, *7* (3), 479–492. <https://doi.org/10.1007/s12571-015-0450-0>.
 25. Kennedy, E.; **Luo, H.** Association between Rice Consumption and Selected Indicators of Dietary and Nutritional Status Using National Health and Nutrition Examination Survey 2007–2008. *Ecology of Food and Nutrition* **2015**, *54* (3), 224–239. <https://doi.org/10.1080/03670244.2014.972391>.
 26. **Luo, H.**; Kennedy, E. T. Rice Consumption and Selected Indicators of Dietary and Nutritional Status Among Children and Adolescents Using National Health and Nutrition Examination Survey 2007–2008: *Nutrition Today* **2015**, *50* (3), 142–148. <https://doi.org/10.1097/NT.000000000000093>.

27. Liu, Z.; Huang, Y.; Xiao, S.; **Luo, H.**; Zhou, L.; Yan, J.; Zhang, T. A Review of the Application of Audio Computer-Assisted Self-Interviews in Mental Health Survey. *Chinese Mental Health Journal* **2015**, No. 6.
28. Kennedy, E. T.; **Luo, H.**; Houser, R. F. Dietary Supplement Use Pattern of U.S. Adult Population in the 2007–2008 National Health and Nutrition Examination Survey (NHANES). *Ecology of Food and Nutrition* **2013**, *52* (1), 76–84. <https://doi.org/10.1080/03670244.2012.706000>.
29. Kennedy, E. T.; **Luo, H.**; Ausman, L. M. Cost Implications of Alternative Sources of (n-3) Fatty Acid Consumption in the United States. *The Journal of Nutrition* **2012**, *142* (3), 605S-609S. <https://doi.org/10.3945/jn.111.152736>.
30. Online Statistics Education: A Multimedia Course of Study (<http://onlinestatbook.com/>). Project Leader: [David M. Lane](#), Rice University.
31. Li, J.; Li, R.; Wang, S.; Yang, J.; **Luo, H.**; He, R. Green Alkaline Paint Remover for Eliminating Coating from Electronic Circuit Board and Its Preparation and Usage, January 3, 2007. Patent No. 1887979

SOFTWARE DEVELOPMENT

1. **Luo, H.**; Beal, T.; Addo, Y.; Young, M.; Suchdev, P. Statistical Apparatus of Micronutrient Biomarker Analysis (SAMBA) R package. *In preparation*.
2. Geng, J.; **Luo, H.**; Addo, Y. Biomarker Reflecting Inflammation and Nutrition Determinant of Anemia (BRINDA) SAS macro. <https://www.brinda-nutrition.org/how-to-apply-the-brinda-method>
3. **Luo, H.**; Addo, O. Y. BRINDA: Computation of BRINDA Adjusted Micronutrient Biomarkers for Inflammation; 2021. <https://cran.r-project.org/web/packages/BRINDA/>
4. **Luo, H.**; Dodd, K. W.; Arnold, C. D.; Engle-Stone, R. The SIMPLE macro, a new tool to simplify 24-h dietary analysis and modelling. **2020** <https://osf.io/ytd34/>
5. **Luo, H.**; Dodd, K. W.; Arnold, C. D.; Engle-Stone, R. National Cancer Institute (NCI) 1-day method. **2019** <https://osf.io/aghdf/>

SELECTED CONFERENCE PRESENTATIONS

1. **Luo, H.**, Dodd, K.W., Arnold, C.D., Engle-Stone, R. (Feb 2021) A new statistical method for estimating usual intakes of nearly-daily consumed foods and nutrients using only one 24-h dietary recall. *ICDAM, Wageningen, Netherlands*.
2. **Luo, H.** & French, C. (Oct 2020) New tools for analysis and modeling of 24 hour dietary data: The UCD-NCI SIMPLE Macro. *Micronutrient Forum*
3. **Luo, H.**, Stewart, C. P., Beckett, L., Clermont, A., Vosti S., Assiene J., Brown, K. H., & Engle-Stone, R. (May 2018) Comparison of Existing Models to Predict Reductions in Neural Tube Defects Due to Folic Acid Fortification: Case Study from Cameroon. *American Society of Nutrition Annual Conference*, Boston, MA.
4. **Luo, H.** Stewart, C. P., Vosti S., Assiene J., Brown, K. H., & Engle-Stone, R. (Oct 2017) Simulations of the impacts of biofortified crops on vitamin A intake of young children and iron intake of women of reproductive age in Cameroon. *International Congress of Nutrition*, Buenos Aires, Argentina.
5. **Luo, H.**, Stewart, C. P., Brown, K. H., & Engle-Stone, R. (Oct 2016) Predicted effects of current and potential micronutrient intervention programs on adequacy of iron intake in national sample of women and young children in Cameroon. *Micronutrient Forum*, Cancun, Mexico.
6. **Luo, H.**, Stewart, C. P., Brown, K. H., & Engle-Stone, R. (Apr 2015) Predicted Effects of Current and Potential Micronutrient Intervention Programs on Adequacy of Folate and Vitamin B-12 Intake in a National Sample of Women and Young Children in Cameroon. *American Society of Nutrition Annual Conference*, San Diego, CA.
7. **Luo, H.**, Admassu, B., Ahmed, M., Dubey P. (Oct 2014) Using the Q methodology to understand local perceptions of the definition, causes, and solutions of malnutrition in Jimma zone, Ethiopia. *National Nutrition Research Conference*, Addis Ababa, Ethiopia.
8. Kennedy, E. T., & **Luo, H.** (Apr 2012) Effects of Rice Consumption on Selected Indicators of Nutritional Status. *American Society of Nutrition Annual Conference, Experimental Biology*, San Diego, CA.
9. **Luo, H.**, Kennedy, E.T., Houser, R. F. (Apr 2011) Dietary supplement use by US adult population in the 2007-2008 National Health and Nutrition Examination Survey. *American Society of Nutrition Annual Conference, Experimental Biology*, San Diego, CA.

GRANT

Period	Grant/study title	Role	Funder	Amount
10/2021 – 09/2022	Biomarkers Reflecting Inflammation and Nutrition Determinants of Anemia (BRINDA)	Co-PI	McKing Consulting Corporation	\$200,000

REVIEW CONTRIBUTIONS

New England Journal of Medicine, Journal of Nutrition, Nutrition Journal, Scientific Reports, Nutrients, International Journal of Environmental Research and Public Health

MEDIA COVERAGE

1. CNN. Ultra-processed foods now account for two-thirds of calories in the diets of children and teens (Aug 2021). <https://www.cnn.com/2021/08/10/health/ultra-processed-food-kids-teens-diet-wellness/index.html>
2. American Society for Nutrition. A SIMPLE method to analyze and model intake data (June 2021). <https://nutrition.org/a-simple-method-to-analyze-and-model-intake-data/>
3. HuffPost. Copenhagen Consensus: *Haiti Priorise*. Fortifying Wheat Flour in Haiti (Jul 2017) https://www.huffpost.com/entry/helping-haitian-children-when-it-matters-the-most_b_595a3aabe4b0c85b96c66369
4. PR Newswire. Rice Eaters Have Better Diet (Apr 2012). <https://www.prnewswire.com/news-releases/rice-eaters-have-healthier-diets-148496735.html>

PROFESSIONAL CERTIFICATES

SAS Certified Base Programmer	2011
Analyst for Chemical Material (Advanced stage)	2007
Analyst for Food Safety (Advanced stage)	2007

PROFESSIONAL MEMBERSHIP

Catalyst, Berkeley Initiative for Transparency in the Social Sciences (https://www.bitss.org/people/hanqui-luo/)	2021 - Present
Member, American Society for Nutrition	2011 - Present

SKILLS

Statistical Skills: R, SAS, STATA, SPSS, Python

Computer Skills: Mac OSX, Windows, MS Office, HTML, CSS, GitHub

Languages: English (fluent), Chinese (native)