Q&A Week 1: Course introduction

Questions about the course:

Schedule

Assignments

Will the datasets for in-class practices and the quantitative exam be the same?

The questions in the in-class practices will include all material needed for the quantitative exam, but may not be exactly the same. Though the questions will be similar, the datasets in the practices will be different from the exam.

Can excel be used for all aspects of the quantitative exam?

The quantitative exam can be completed with Excel, except for the bonus questions.

For the qualitative group paper, are we given key references, or are we picking our own topic?

You will be given 3 key references and you will supplement two more. Everyone's broader project topic will be climate change. However, based on your two supplemental references and how you identify your research question and theoretical framework, each group's research design should be different.

Is there a page requirement for the qualitative exam?

Your final project should not exceed 20 pages, including appendices and references. For more guidance on qualitative project structure and formatting, see the Qualitative Methods Exam: Study Guide > Questions from Check-ins

Does Excel <u>have to</u> be uses for the quant exam? Could we just use a scratch paper?

You may use whatever programming language you want to complete the quantitative exam. You will learn how to answer some of the questions by hand in class – however, you will not be able to complete the exam without Excel or another program.

Grading

Accommodation

Other

Do we have remote access to Stata on our personal computers?

You can gain remote access to LBJ computers with Stata licenses. You will need to set up VPN. There are instructions on how to do so in the prior link.

Where can I get access to peer-reviewed journals and articles?

If you are logged into the UT network, you can search through the UT library or search on Google Scholar and it should automatically redirect you through UT's library. If you are working from home, you should be able to access articles in Google Scholar once you have logged into the UT library website.

Questions about course readings:

Ragin, C. C., & Amoroso, L. M. (2011). What Is (and Is Not) Social Research? In Constructing Social Research: The Unity and Diversity of Method (pp. 5–32). Pine Forge Press.

Ragin, C. C., & Amoroso, L. M. (2011). The Goals of Social Research. In Constructing Social Research: The Unity and Diversity of Method (pp. 135–162). Pine Forge Press.

Q&A Week 2: Quant. Research – Building Blocks

Questions about course readings:

Meier, K. J., Brudney, J. L., & Bohte, J. (2014). Measurement. In Applied Statistics for Public and Nonprofit Administration.

I am confused on the concept of convergent validity, can you please explain this?

The following excerpt from Paul F.M. Krabbe in The Measurement of Health and Health Status (2017) may provide a better explanation of convergent validity:

"Convergent and discriminant validities are two fundamental aspects of construct validity. Convergent validity refers to how closely the new scale is related to other variables and other measures of the same construct. Not only should the construct correlate with related variables but it should not correlate with dissimilar, unrelated ones. A determination along the latter lines is referred to as discriminant validity (de Vet et al., 2011; Streiner et al., 2015). For example, a performance-based measure of walking should be positively correlated with self-reported ability to walk a block. Similarly, performance-based measures of daily activities, such as fastening buttons and preparing and boiling a pot of water, should be associated positively with self-reported activities of daily living."

Ruane, J. M. (2016). All That Glitters Is Not Gold: Assessing the Validity and Reliability of Measures. In Introducing Social Research Methods: Essentials for Getting the Edge (pp. 117–138). John Wiley & Sons Inc.

Other Questions:

Q&A Week 3: Quant. Research - Data Structure and Management

Questions about course readings:

Wickham, H. (2014). Tidy Data. The Journal of Statistical Software, 59(10).

Gentzkow, M., & Shapiro, J. M. (2014). Code and Data for the Social Sciences: A Practitioner's Guide.

Wilson, G., Bryan, J., Cranston, K., Kitzes, J., Nederbragt, L., & Teal, T. K. (2017). Good Enough Practices in Scientific Computing. PLOS Computational Biology, 13(6), e1005510.

Other Questions:

Q&A Week 4: Qual. and Mixed Methods Research - General Process and Data Collection

Questions about course readings

Ragin, C. C., & Amoroso, L. M. (2011). Using Qualitative Methods to Study Commonalities. In Constructing Social Research: The Unity and Diversity of Method (pp. 135–162). Pine Forge Press.

Creswell, J. W., & Clark, V. L. P. (2017). Core Mixed Methods Designs. In Designing and Conducting Mixed Methods Research. SAGE Publications.

Small, M. L. (2009). 'How Many Cases Do I Need?' On Science and the Logic of Case Selection in Field-Based Research. Ethnography, 10(1), 5–38. https://doi.org/10.1177/1466138108099586

Other Questions:

Q&A Week 5: Descriptive Statistics

Questions about course readings

Chapter 4-6: Meier, K. J., Brudney, J. L., & Bohte, J. (2015). Applied Statistics for Public and Nonprofit Administration (Ninth edition). Cengage Learning.

Gordon, R. A. (2012). Applied Statistics for the Social and Health Sciences. Routledge.

Tukey, J. W. (1977). Exploratory Data Analysis. Addison-Wesley Publishing Company.

Klein, G., & Dabney, A. (2013). The Cartoon Introduction to Statistics (First edition). Hill and Wang, a Division of Farrar, Straus and Giroux.

Tukey, J. W. (1977). Exploratory Data Analysis. Addison-Wesley Publishing Company.

Gordon, R. A. (2012). Applied Statistics for the Social and Health Sciences. Routledge.

Meier, K. J., Brudney, J. L., & Bohte, J. (2015). Applied Statistics for Public and Nonprofit Administration (Ninth edition). Cengage Learning.

Other Questions:

Q&A Week 6: Probability and sampling

Questions about course readings

Meier, K. J., Brudney, J. L., & Bohte, J. (2015). Applied Statistics for Public and Nonprofit Administration (Ninth edition). Cengage Learning.. Read Chapters 7 and 8 in detail, quick scan Chapter 9.

Properties of probabilities and Bayes Rule - Summary

Bruce Hansen's Probability and Statistics for Economists. Retrieved August 25, 2021, from https://www.ssc.wisc.edu/ bhansen/probability/, Chapter 1

Wonnacott, T. H., & Wonnacott, R. J. (1990). Introductory Statistics (5th ed). Wiley., Chapters 3.1-3.6, 4.1-4.2, 5.1 & 5.3

Other Questions:

Q&A Week 7: Inferential Statistics I

Questions about course readings

Meier, K. J., Brudney, J. L., & Bohte, J. (2015). Applied Statistics for Public and Nonprofit Administration (Ninth edition). Cengage Learning., Chapters 10 & 11

Introduction to Bootstrapping in Statistics with an Example. (2018). Statistics By Jim.
http://statisticsbyjim.com/hypothesis-testing/bootstrapping/

Klein, G., & Dabney, A. (2013). The Cartoon Introduction to Statistics (First edition). Hill and Wang, a Division of Farrar, Straus and Giroux., Chapters 8, 9 & 10

Other Questions:

Q&A Week 8: Inferential Statistics II

Questions about course readings

Meier, K. J., Brudney, J. L., & Bohte, J. (2015). Applied Statistics for Public and Nonprofit Administration (Ninth edition). Cengage Learning., Chapters 12-14, Ch 15 (pp 258-268)

Wonnacott, T. H., & Wonnacott, R. J. (1990). Introductory Statistics (5th ed). Wiley., Only Chapter 10.1 (one-way ANOVA)

Klein, G., & Dabney, A. (2013). The Cartoon Introduction to Statistics (First edition). Hill and Wang, a Division of Farrar, Straus and Giroux., Chapters 11, 12 & 13

Other Questions:

Q&A Week 9: Inferential Statistics - Recap & Applications

Questions about content:

Other questions:

Q&A Week 10: Regression I

Questions about course readings

Meier, K. J., Brudney, J. L., & Bohte, J. (2015). Applied Statistics for Public and Nonprofit Administration (Ninth edition). Cengage Learning., Chapters 17 & 18

Video Intro to Linear Regression

Q&A Week 11: Regression II

Questions about course readings

Meier, K. J., Brudney, J. L., & Bohte, J. (2015). Applied Statistics for Public and Nonprofit Administration (Ninth edition). Cengage Learning., Chapter 20 & 21

Allison, P. D. (1999). Multiple Regression: A Primer. Pine Forge Press., Chapters 1 & 2

Q&A Week 12: Regression Recap & Applications

Questions about content:

Other questions:

Q&A Week 13: Consultation Session

Questions about customized learning:

Other questions:

Q&A Week 14: Final Exam

Questions about final exam:

Other questions: