

STEVEN J. DICK, PH.D.

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EDUCATION

Mass Media Ph.D., Michigan State University September 1987 to June 1993. Minor classes in economics and regulated industries. Graduate Assistant, Telecommunications. Dissertation: *Forum Talk: An analysis of interaction via telecomputing*. A time series content analysis of online interaction in 2500 online discussion groups leading to a model of traffic patterns in SPSS and Regression Analysis of Time Series (RATS).

Telecommunications M.A. Southern Illinois University - Carbondale June 1985 to October 1986, Minor classes in business management. Graduate Assistant Radio-Television. Thesis: *The Diffusion of Videotex Technology: A Survey of Users*. One of the first national online surveys using a pre-internet online bulletin board systems.

Broadcasting B.A. Western Kentucky University August Cum Laude, August 1979 to May 1982, Minors: theater and psychology. Student Worker for WKU TV Productions.

PROFESSIONAL EXPERIENCE

Modern Media Barn, Education Analyst, Youngsville, LA. January 1982 to Present. Independent consultant and writer in media, education, and research issues. Currently evaluating education programs in Lafayette, LA.

Picard Center for Child Development and Lifelong Learning, University of Louisiana-Lafayette, Senior Research Scientist, Lafayette, LA. Oct 2006- Oct. 2018. Lead statistician, methodology support and project management for 5-10 projects a year in a research center running on a \$5-10 million budget. Negotiated with clients for contracts and data. Statistical testing of big data and advanced multidimensional and quasi-experimental modeling. Author/coauthor to 6 published academic journal articles, 36 technical reports, 12 book chapters, and 28 conference appearances. Adjunct professor in Communications and Business. Served on 19 graduate committees, institutional review board, 7 statewide and community commissions.

Southern Illinois University – Carbondale, Department of Radio-Television, Assistant Professor, Carbondale, IL. August 1997 to 2006. Taught graduate and undergraduate courses in media management, research, law, and technology. Author/coauthor to 10 journal articles, 10 book chapters, and 23 public speaking presentations. Served/directed 35 graduate committees. Member of university curriculum, college graduate committee, and department curriculum committee. Developed online master’s program in telecommunications.

McNeese State University Department of Mass Communication, Assistant Professor, Lake Charles, Louisiana, August 1992 to May 1997. Helped to create a new mass communication department accredited with AEJMC. Taught classes in media research, law, and technology. Perform research in media technology.

Volunteer Service

Expert Volunteer, International Executive Services Corps, Zanzibar, Baseline Survey Design, Methodology, Data Collection, Analysis, and Report Writing Specialist. 2018. Three weeks in country plus remote consulting.

Functional Consultant Board, Statistics Without Borders. 2015-2018

ALICE Advisory Board, United Way of Louisiana, Research Advisory Committee.

Whole School, Whole Community, Whole Child Initiative, Louisiana State Legislator special advisory report.

Research Scientist: Communications Department, College of Liberal Arts, UL Lafayette.

Research Scientist: Education Foundations & Leadership Program, College of Education, UL Lafayette.

Editorial reviewer for multiple academic journals and national conferences in communications, cyber-security, and education.

National conference management for Broadcast Education Association, and Association for Education in Journalism and Mass Communication.

CERTIFIED TRAINING

What Works Clearinghouse. (USDOE)

Project management (UL Lafayette)

Quasi-experimental Design (Northwestern University)

SAS (University Alliance, U of Wisconsin-Milwaukee, and NYC Davinci Center)

National Assessment of Education Progress (IES, USDOE)

Family Education Rights and Privacy Act (FERPA, USDOE)

Human Subjects Protection (NEH US)

SPECIFIC SKILLS

Expert Level

IBM, Mac, Android

SharePoint

MS Office

Google Docs

Google Adwords

SPSS

SurveyMonkey

Nielsen Ratings

Sampling design

International public speaking in China, Taiwan, and Zanzibar.

Statistical Analysis

Time Series

Partial Least Squares

Factor Analysis

Multistage modeling

Quasi-Experimental design: Interrupted Time Series, Regression discontinuity, and propensity score

Text Analysis/Content Analysis

Survey Research/Online Survey

Television Experience

Field Videographer

Studio production specialist

Master control operator

Film editor

Computer Graphics

In Evansville, IN

5 years part-time,

5 years full time.

Moderate Level

Blog, web design, e-commerce

Classroom/online management

SAS

SAP

R

Introductory Level

Tableau

NVivo

Stata

RESEARCH

Academic Journal Articles

- Dick, S. J., Prejean, K. D., & Fossey, R. (2018). School-based corporal punishment of students with disabilities: A law and policy analysis. *Education Law Reporter*, 358, 733-740. Analysis of data from the United States Department of Education, Office of Civil Rights consolidating data from seven states and visualization of data using Excel and SPSS.
- Forsyth, Craig, Steven J. Dick, Jing Chen, Raymond W. Biggar, Jr., York A. Forsyth, and Karen Burstein. (2018) "Social Psychological Risk Factors, Delinquency, and Age of Onset" *Criminal Justice Studies*. Analysis of a statewide survey of more than 70,000 6-12th grade students on factors that influenced antisocial behavior. Survey delivered to schools around the state on paper and data shared with us through SQL. Drew data for factor analysis and visualization using SPSS/R/Excel.
- Dick, Steven J., Craig J. Forsyth, Jing Chen, York A. Forsyth, Raymond W. Biggar, Jr., and Karen Burstein. (2018) "School and Peers: Examining the Influence of Protective Factors on Delinquency and Age of Onset." *Deviant Behavior* 40. Same as above.
- Burstein, K., Forsyth, C., Biggar, R., Hsu, S., Dick, S. & Zeanah, P. (2016). A Theoretical Model for Preparing Incarcerated Youth for Careers in an Increasingly Technological World: Computational Logic as a Vehicle for Improving Human Decision-making Skills. *Journal of Criminal Justice Education*. DOI:10.1080/10511253.2016.1257731 Theoretical models to prepare for later publications.
- Davie, W. R., Dick, S. J., Bashri, M., Galander, M., Hamdy, N., & St. Pierre, J. (2013). The Arab Spring and the U.S. Response: American and Middle Eastern Students Speak Out. *Global Media Journal: American Edition*, 1-23. International SurveyMonkey survey of people in four countries. Analysis in SPSS.
- McDowell, W. S., & Dick, S. J. (2013). The Marketing of Neuromarketing: Brand Strategies Employed by Prominent Neuromarketing Firms to attract Media Clients. *Journal of Media Business Studies (Journal of Media Business Studies)*, 10(1), 25-40. A multistage text analysis of 50 web pages and the commonality of themes.

Long-Term Grants

Dolly Parton Imagination Library Evaluation Reports

Client: United Way of Acadiana.

Picard Center for Child Development and Lifelong Learning, UL Lafayette
2017 -2014

A multi-year analysis of student achievement in kindergarten based on participation in a preschool book program. After negotiation for data, preliteracy assessment scores were drawn from four school districts for Kindergarten and stored in a secure SQL server. Last report added third-grade assessment measures. A parent satisfaction/use survey through SurveyMonkey provided additional evaluation and marketing information. I wrote the survey, performed most of the data analysis on the survey and academic measures in SPSS and visualized in Excel. I was also required to improve the data collection methodology – particularly the counterfactual – and write most of the report. Sample size 300-500

The Leader in Me Evaluation

Client: United Way of Acadiana

Picard Center for Child Development and Lifelong Learning, UL Lafayette
2017 - 2015

A four-part evaluation program of a positive behavior support program serving 30 schools across four school districts. Data drawn from the four districts, state-level sources, SurveyMonkey, and researcher observation. Data stored on secure SQL and drawn for multilevel modeling. Required developing agreements with school districts and a state data warehouse for access to data, selection data points, quasi-bridge studies, selection reasonable comparison schools and multilevel modeling and weighing to judge the effect of a multi-year program instituted in several cohorts. SPSS/R analysis with a report and visualization written in understandable language. Sample size: 3,000

DIBELS Evaluation of United Way Readers of Acadiana.

Client: United Way of Acadiana

Picard Center for Child Development and Lifelong Learning, UL Lafayette

2014 - 2013

Grant Report to United Way of Acadiana., Lafayette, LA: Picard Center for Child Development and Lifelong Learning. A small project of only around 200 students in a reading program. I extracted data from existing sources to determine reading effectiveness in this year-long program using Excel to visualize analysis from SPSS. Sample size 300

First, Second, and Third Grade Reading Ability Report: Dynamic Indicators of Early Literacy Skills (DIBELS)

Client: Louisiana Board of Elementary and Secondary Education/ Department of Education

Picard Center for Child Development and Lifelong Learning, UL Lafayette

2012 -2006

A twice-annual report on the number/percent of students at one of three levels of academic evaluation. The fall report included 1st, 2nd, and 3rd grade students. The spring reports add Kindergarten. Data reported and visualized at the school and district level with an overall summary report on multiyear progress. Data were drawn from the Louisiana Department of Education into a SQL server for primarily Excel visualizations. Sample size 70,000 to 200,000.

Picard Center Ensuring Literacy for All (ELFA) Evaluation Reports and Technical Addendums

Client: Louisiana Board of Elementary and Secondary Education/ Department of Education

Picard Center for Child Development and Lifelong Learning, UL Lafayette

2012 -2006

Evaluation Report to the Louisiana Department of Education. Lafayette, LA: Center for Child Development, University of Louisiana at Lafayette. A technical and multistage evaluation of all 3rd and 4th grade students in the state of Louisiana with required reporting to the Louisiana Board of Elementary and Secondary Education. I used multiple regression analysis in SPSS and similar programs and visualized the data for non-technical education leaders. This program is better known as No Child Left Behind.

Grant supported reports

Zeanah, P., Larrieu, J., & Dick S. (August 2018). Foundations of Infant Mental Health pilot follow-up survey. Report prepared for the LA Office of Public Health, Bureau of Family Health, MIECHV program. Survey of professionals in the state of Louisiana through SurveyMonkey.

Biggar, R., Esters, R., Dick, S.J., Chen, J., Burstein, K., Bergeron, M., Cooper, R., Zeanah, P. (2017) *The Impact of Gambling in Louisiana: 2016 Study of Problem Gambling*. A representative phone survey of 2,400 Louisiana adults. Louisiana Department of Health and Lafayette, LA: Picard Center for Child Development and Lifelong Learning.

Dick, S. J., & Farmer-Primo K. (2015). *Do Re Me: Music in Acadiana Schools*. Grant Report to Acadiana Symphony Orchestra and United Way of Acadiana. Lafayette, LA: Picard Center for

Child Development and Lifelong Learning. An intense evaluation of a small program of around 100 students using SPSS.

NOTABLE PRESENTATIONS

- Forsyth, Craig, Jing Chen, Raymond W. Biggar, York A. Forsyth, Steven Dick, and Karen Burstein. 2018. "The Juvenile Opiate/Heroin User." Southern Sociological Society, New Orleans, LA. A report based on data from the Louisiana Caring Communities Youth Survey (N about 70,000 6th to 12th grade students). I was the primary statistician and data visualizer.
- Chen, Jing, Craig J. Forsyth, Raymond W. Biggar, York A. Forsyth, Steven Dick, and Karen Burstein. 2018. "The Juvenile Abstainer." Southern Sociological Society, New Orleans, LA. A report based on data from the Louisiana Caring Communities Youth Survey (N about 70,000 6th to 12th grade students). I was the primary statistician and data visualizer.
- Sonya H.Y. Hsu, Steven Dick (2018). A Workaround of EHR – A Logistics/Reporting System Development. Proceedings of the 51 Annual Hawaii International Conference on System Sciences. IEEE Publisher. This project involved a qualitative survey of health professionals.
- Sonya H.Y. Hsu, Steven Dick (2017). Information Sharing & Cyber Threats. Proceeding of IEEE Intelligence and Security Informatics. Beijing, China. In-depth analysis of the threats to computer systems presented to an international conference.
- Dick, S.J., Biggar, R.W., Esters, I. (2017). Multimodal Evaluation of Gambling Attitudes in Population of Louisiana. Presented to the *American Association of Public Opinion Research*. New Orleans, LA. A report based on data from the Louisiana Caring Communities Youth Survey (N about 70,000 6th to 12th grade students) and the Louisiana Gambling Survey (N=2400). I was the primary author, statistician and data visualizer.
- Burstein, K., Forsyth, C., Biggar Jr., R., Hsu, S., Dick, S. & Yang, Y. (2016). Computational logic as a vehicle for improving human decision-making skills. Preparing incarcerated youth for careers in an increasingly technological world. Presented at *Southern Criminal Justice Association Annual Conference*. Savannah, Ga
- Dick, S.J., MacGyvers, V.M., Lin, H.C., Grisham, M., Tassin, J., & Krueger, J. (2015). Integrated Music: Effects on Academic Growth in Impoverished Preschoolers. A research report. *National Association for the Education of Young Children 2015 Annual Conference*, Orlando.