Vic V. Anand

November 2024

University of Illinois at Urbana-Champaign
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PROFESSIONAL EMPLOYMENT

University of Illinois at Urbana-Champaign	
Assistant Professor of Accounting	2017 – present
Deloitte Foundation Center for Business Analytics Scholar	2017 – 2019, 2022 – present
Arthur Andersen Data Analytics Fellow	2020 – 2023
Emory University – Goizueta Business School	
Assistant Professor of Accounting	2012-2017
Science Applications International Corporation	
Senior Analyst	2001-2003
Deloitte Consulting	
Senior Consultant	2000-2001
Ford Motor Company	
Financial Analyst	1997-1998
Manufacturing Engineer	1995-1997

EDUCATION

Ph.D.	Accounting, Cornell University Dissertation: "*Essays on the Motivating Effects of Goals in Accounting*"	2014
M.S.	Accounting, Cornell University	2013
M.B.A.	Carnegie Mellon University, Graduate School of Industrial Administration	2000
S.B.	Mechanical Engineering, Massachusetts Institute of Technology	1995

RESEARCH

Interests: Capacity planning, cost allocations and cost system design, target setting, forecasting with machine learning.

Journal Publications

Anand, V., Balakrishnan, R., and S. Gavirneni (2023). Capacity Planning with Limited Information. *Production and Operations Management* 32 (9): 2740–2757. https://doi.org/10.1111/poms.14004

Anand, V., Webb, A., and C. Wong (2023). Mitigating the Demotivating Effects of Frequent Unfavorable Feedback about Goal Progress. *Journal of Management Accounting Research* 35 (2): 5 – 32. https://doi.org/10.2308/JMAR-2021-044

Anand, V., Bochkay, K., Chychyla, R., and A. Leone (2020). Using Python for Text Analysis in Accounting Research. *Foundations and Trends in Accounting* 14 (3–4): 128 – 359. http://dx.doi.org/10.1561/1400000062

Anand, V., Balakrishnan, R., and E. Labro (2019). A Framework for Conducting Numerical Experiments on Cost Systems. *Journal of Management Accounting Research* 31(1): 41 – 61. https://doi.org/10.2308/jmar-52057

Anand, V., Balakrishnan, R., and E. Labro (2017). Obtaining Informationally Consistent Decisions When Computing Costs with Limited Information. *Production and Operations Management* 26(2): 211 – 230. https://doi.org/10.1111/poms.12631

Valero-Cuevas, F.J., Anand, V.V., Saxena, A., and Lipson, H. (2007). Beyond Parameter Estimation: Extending Biomechanical Modeling by the Explicit Exploration of Model Topology. *IEEE Transactions on Biomedical Engineering* 54 (11): 1951 – 1964. https://doi.org/10.1109/TBME.2007.906494

Conference Publications

Anand, V., Lipson, H., and Valero-Cuevas, F., Blind Inference of Nonlinear Cable Network Topology from Sparse Data. *Proceedings of the 2005 Genetic and Evolutionary Computation Conference*, June 2005, Washington, DC, USA. Late-breaking paper.

Valero-Cuevas, F.J., Lipson, H., Santos, V.J., and Anand, V. Shifting to Population-Based Models and Inferring Model Structure from Data are Two Directions That Will Enhance the Clinical Usefulness of Modeling. *Proceedings of the ISB XXth Congress and ASB 29th Annual Meeting*, August 2005, Cleveland, OH, USA.

Spears, W.M. and Anand, V. A Study of Crossover Operators in Genetic Programming. *Sixth International Symposium of Methodologies for Intelligent Systems*, 1991.

Working Papers

Cost Accounting and Capacity Planning
 "Opportunity Cost of Capacity Resources Under Hard Capacity Constraints," with Ramji Balakrishnan (University of Iowa) and Shiva Sivaramakrishnan (Rice University).

Target Setting

"Target Horizons, Uncertainty, and Effort Provision". Based on my dissertation at Cornell University. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2896912

Earnings Forecasting and Machine Learning

"Predicting Profitability Using Machine Learning", with Theo Sougiannis (UIUC), Robert Brunner (UIUC), and Kelechi Ikegwu (UIUC). https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3466478

"Life Cycle Models versus Random Walk in Forecasting Growth and Profitability", with Theo Sougiannis (UIUC) and Egor Nikulin (Saint Petersburg State University).

"Fundamental Analysis Using Machine Learning", with Theo Sougiannis (UIUC) and Anurag Anand (UIUC).

INVITED PRESENTATIONS

2022   Emerging Management Accounting Scholars Symposium III, University of Illinois at Urbana-Champaign

2020   University of California, Davis

2019   AAA Management Accounting Section Research and Case Conference, doctoral colloquium

2018   University of Alberta Accounting Research Conference
       AAA Intensive Data and Analytics Summer Workshop

2016   University of Pittsburgh
       Michigan State University
       University of Illinois at Urbana-Champaign

2014   Michigan State University

2012   Georgia Institute of Technology
       Emory University
       Indiana University
       The University of Iowa
       University of Alberta

CONFERENCE PARTICIPATION

2024   INFORMS Annual Meeting
       AAA Annual Meeting
       AAA Intensive Data and Analytics Workshop V
       Purdue Accounting Theory Conference
       Emerging Management Accounting Scholars Symposium III, University of Illinois at Urbana-Champaign

2023   AAA Management Accounting Section Midyear Meeting

2022   AAA Management Accounting Section Midyear Meeting

2020   AAA Management Accounting Section Midyear Meeting
       AAA Financial Accounting and Reporting Section Midyear Meeting

2019   CPA Ontario Performance Management Research Symposium
       AAA Management Accounting Section Research and Case Conference

2018   AAA Management Accounting Section Research and Case Conference
       University of Alberta Accounting Research Conference
       AAA Intensive Data and Analytics Summer Workshop

2017   AAA Management Accounting Section Research and Case Conference

2016   AAA Management Accounting Section Research and Case Conference
       Global Management Accounting Research Symposium
       AAA Accounting Is Big Data Conference
       Contemporary Accounting Research Conference

2015   AAA Management Accounting Section Research and Case Conference

2014   AAA Annual Meeting
       AAA New Faculty Consortium
       AAA Management Accounting Section Research and Case Conference

2013   AAA Management Accounting Section Research and Case Conference
       Global Management Accounting Research Symposium
       University of Alberta – Accounting Research Conference (by invitation)

2012   AAA Accounting, Behavior, and Organizations Conference
       University of Alberta – Accounting Research Conference (by invitation)
       AAA Annual Meeting
       AAA Management Accounting Section Research and Case Conference

2011   AAA Management Accounting Section Research and Case Conference

2010   AAA Management Accounting Section Research and Case Conference

TEACHING

University of Illinois at Urbana-Champaign – Gies College of Business

Caterpillar Finance: Advanced Analytics   Summer 2024
  - Students are working finance professionals.
  - Course covered Python programming, machine learning, text analysis, and
    SQL.

Data Analytics Foundations in Accountancy (ACCY 570)	Fall 2019–2024

- Instructor ratings: 4.9 / 5.0 (2023); 5.0 / 5.0 (2022); 4.9 / 5.0 (2021); 4.8 / 5.0 (2020); 4.9 / 5.0 (2019)
- List of teachers ranked as excellent by their students (all years)

Data Analytics Applications in Accountancy (ACCY 575)	Spring 2019
	Spring 2018

- Instructor ratings: 4.6 / 5.0 (2019); 4.7 / 5.0 (2018)
- List of teachers ranked as excellent by their students (all years)
- Department Head's Award for Excellence in Accountancy Education for 2018–19

Emory University – Goizueta Business School

Managerial Accounting (Evening MBA)	Summer 2017
	Fall 2016
	Summer 2016

- Instructor ratings: 4.6 / 5.0 (Summer 2017), 4.9 / 5.0 (Fall 2016), 3.4 / 5.0 (Summer 2016)

Managerial Accounting (BBA)	Fall 2014, 2013
	2012

- Instructor ratings: 4.5 / 5.0 (2012); 4.5 / 5.0 (2013), 4.5 / 5.0 (2014)

Cornell University – Johnson Graduate School of Management

Financial Accounting (for students outside the Johnson School)	Spring 2008

- Instructor rating: 4.7 / 5.0

Teaching Assistant (Professor Robert Bloomfield), Managerial Accounting (MBA and EMBA)	2008 – 2011
Teaching Assistant (Professor Ron Hilton), Managerial Accounting (EMBA)	Summer 2010
Teaching Assistant (Professor Michael Waldman), Microeconomics (MBA)	Fall 2010

CASE WRITING

Rodrigo-Swift Essentials, Inc. (2024). A process capability analysis and dashboarding case. Co-authored with Gopesh Anand.

Baird Connect Services (2024). A regression and ANOVA case, Co-authored with Gopesh Anand.

Customer Revenue Analysis (2023). Under review, available upon request.

Merging Data in Pandas (2023). Under review, available upon request.

An Introduction to Databases for Accountants (2019).
https://www.centerforanalytics.giesbusiness.illinois.edu/content/case-studies/database-for-accountants

RESEARCH FUNDING

Gies grant, University of Illinois at Urbana-Champaign, for Fundamental Analysis Using Machine Learning, co-authored with Theo Sougiannis and Anurag Anand (UIUC).

Ad hoc research funding, Goizueta Business School, Emory University for *Mitigating the Potentially Demotivating Effects of Frequent Feedback about Goal Progress* co-authored with Alan Webb and Chris Wong (University of Waterloo).

Ad hoc research funding, Goizueta Business School, Emory University for *Performance Standard Horizons, Uncertainty, and Effort Provision.*

Ad hoc research funding, Goizueta Business School, Emory University for *The Dark Side of Feedback: How frequent feedback about goal progress can reduce motivation in the presence of uncertainty.*

Awarded Institute of Management Accountants (IMA, US, Foundation for Applied Research) funding for Robust Cost Systems, co-authored with Ramji Balakrishnan (University of Iowa) and Eva Labro (University of North Carolina Chapel Hill) (2011-2012).

PROFESSIONAL SERVICE

- AAA Managerial Accounting Section committee for planning the teaching symposium at the midyear meeting (2021).
- AAA Managerial Accounting Section, Data Analytics Task Force (2018 – 2020)
- Lecturer in LEADership, Education, and Development program at Goizueta Business School, 2015, 2016, 2017.
- Best paper award committee for AAA Managerial Accounting Section Midyear Meeting 2015
- Ad hoc reviewer for:
    - *Accounting Horizons* 2018, 2019, 2021
    - *Accounting, Organizations, and Society* 2016, 2017, 2018, 2019 (x2), 2021 (x2), 2022, 2024
    - *Contemporary Accounting Research* 2018 (x2), 2020, 2022 (x2), 2023, 2024
    - *Journal of Financial Reporting* 2017
    - *Journal of Management Accounting Research* 2012, 2013, 2015, 2018, 2019, 2020, 2021, 2022
    - *Management Science* 2019, 2021 (x2), 2022, 2023, 2024
    - *Production and Operations Management* 2016, 2023, 2024
    - *Review of Accounting Studies 2020*
    - *The Accounting Review* 2015 (x2), 2024 (x2)
    - *The International Journal of Accounting* 2017, 2020
- Discussant and/or reviewer at AAA Managerial Accounting Section Midyear Meeting 2012, 2013, 2015, 2017, 2018, 2019, 2025
- Discussant for AAA annual meeting 2012, 2014

- Dissertation committee of Robert Mocadlo (Emory University)

ACADEMIC HONORS, AWARDS, AND ACTIVITIES

American Accounting Association *Innovation in Accounting Education Award* (with J. Herbold, J. Hobson, and K. Mendoza), 2021

Arthur Andersen Fellowship (for data analytics activities), 2020, 2021, 2022, 2023

John Deere Data Analytics Fellowship, 2019

Department Head's Award for Excellence in Accountancy Education for 2018–19

University of Illinois – Deloitte Center for Business Analytics: R.C. Evans Data Analytics Fellowship, 2017 – 2019, 2022 – 2024

University of Illinois at Urbana-Champaign: *List of teachers ranked as excellent by their students*, Spring 2018, Spring 2019, Fall 2019, Fall 2020, Fall 2021, Fall 2022, Fall 2023.

Cornell University Graduate Fellowship, 2004 – 2010

Graduated with University Honors, Carnegie Mellon University

Member, Beta Gamma Sigma

Vera Heinz Merit Scholarship, Carnegie Mellon University, 1998 – 2000

National Security Agency, Undergraduate Training Program, full tuition and stipend for undergraduate education, 1990 – 1993

PROGRAMMING / DATA SCIENCE

Languages in which I am proficient: Python, C#, SQL, C, VBA

Certifications: DataCamp Associate Data Analyst (SQL, data management, statistics, EDA, visualization); Microsoft Access Expert (Office 2019)

Python libraries: Pandas, NumPy, Bokeh, Matplotlib, Seaborn, scikit-learn

Statistical/mathematical packages: Stata, SAS, Mathematica, Tableau, Power BI

Languages with which I have familiarity: R, F#, Windows PowerShell

PERSONAL INTERESTS

Motorcycle racing (road and dirt), running, computer programming, mountain biking.