

Yvonne Appiah Dadson

Doctoral Student, Information Sciences

Research Assistant, Extreme Events, Social Equity, and Technology Laboratory

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EDUCATION

2021 – 2026 (expected)

Ph.D. Information Sciences, University at Albany – The State University of New York. *Concentrations*: Data Analytics and Information for Risk in Emergency Management & Security (IRES).

Dissertation Title: Beyond the Undocumented: Immigrant Vulnerability & Resilience in Disaster Contexts

Dissertation Chair: Dr. DeeDee Bennett-Gayle

2019 – Dec. 2021

Master of Public Administration

University of North Texas

2013 – 2015

Master of Philosophy in Economics, University of Ghana

Thesis Title: Examining the Effects of Fiscal Deficits on Inflation in Ghana

Thesis co-Chairs: Dr. Emmanuel Codjoe and Dr. Baah-Boateng

2004 – 2008

Bachelor of Arts in Economics, Kwame Nkrumah University of Science and Technology, Ghana. *Final-year dissertation*: The Contribution of Rural Banks to Rural Poverty Reduction: A case study of Kumawuman Rural Bank

Supervisor: Dr. Anthony Kofi Osei- Fosu

2012

Professional Banking & Finance Program (Level I & II)

The Chartered Institute of Bankers (GH), Ghana

POSITIONS and APPOINTMENTS

2022 – Present

Graduate Research Assistant, Research Foundation, University at Albany, SUNY, Albany, NY.

2021

Graduate Assistant – Dean's Office, College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC), University at Albany, SUNY, Albany, NY

2020

Graduate Research Assistant, Department of Geography and the Environment, University of North Texas, Denton TX

2018 – 2019

Supervisor (Awutu-Senya East), *Ghana Census of Agriculture*, Ghana Statistical Service

2017 – 2018

Consultant, Pentax Management Consultancy Services Limited

2016 – 2017

Junior Business Associate, Plan Consult

2016

Survey Assistant, Ghana Social Accountability Mechanism (GSAM) Project, Institute of Statistical, Social & Economic Research (ISSER), University of Ghana

2013-2015

Tutor, Insanniya Senior High School, Ghana

2011-2013 **Tutor, National Competing Center (NCC-UK) Diploma Courses,**
IPMC – College of Technology

2009 – 2011 **Sales Representative, God’s Grace Enterprise**

2008 - 2009 **National Service Personnel, Global Access Services Limited**

RESEARCH INTERESTS

Socially vulnerable populations specifically immigrant populations; assistive technologies; privacy concerns and advanced technologies.

AWARDS and HONORS

2026 **Increasing Diversity in and Equitable Access to Applied Learning in Disaster Research Response (IDEAAL DR2) Fellowship**

2026 **Spring Benevolent Association Research and Creative Activity Grant**

2025 **IAEM (International Association of Emergency Managers) Graduate Student Scholarship**

2025 **Initiatives for Women (IFW) award**

2025 **CHEER Summer Scholar**

2025 Empowering Community Resilience Award

2025 **GSS Sustainability, Research, and Innovation (SRI2025) Travel Award**

2025 **Mid-Atlantic VOAD conference scholarship**

2025 **Finalist, 3-Minute (3MT) Competition, University at Albany, State University of New York.**

2024 Bill Anderson Fund Fellow

2024 Information Sciences PhD Travel Grant, College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC), University at Albany-State University of New York.

2024 SIG-USE Student Travel Award

2024 Northeast Chapter of the Association for Information and Technology (**NEASIS&T**) Conference Support Award

2023 **Best Paper Reviewer Award, 86th Annual Meeting of the Association for Information and Technology (ASIS&T).**

2023 **Best Research Paper, 20th International Conference on Information Systems for Crisis Response and Management (ISCRAM 2023).**

2022 **Best Poster Award, New York Celebration of Women in Computing (NYCWIC).**

2021 **Graduate Assistantship and Tuition Scholarship, Department of Information Science, University at Albany, SUNY.**

2020 **Graduate Research Assistantship and Tuition Scholarship, Department of Geography and the Environment, University of North Texas.**

2019 **HPS/PADM Charldean Newell Graduate Public Administration Scholarship, Department of Public Administration, University of North Texas.**

2019 – 2020 **Outreach Multicultural Scholastic Award, University of North Texas.**

PUBLICATIONS

Journal Articles (peer-reviewed)

1. Bollempalli, M., Fatema, N., Bass, K., Adams, A., **Dadson, Y. A.**, Gilmore, E., Bennett-Gayle, D., Li, A., & Ramenzoni, V. (2025). From transactional to transformative: Evolving research practices through mutual aid collaboration. *Climate Risk Management*, 50, 100767. <https://doi.org/10.1016/j.crm.2025.100767>
2. Yuan, X. (Jenny), Guo, Q., **Dadson, Y. A.**, Goodarzi, M., Jung, J., Dong, Y., Albert, N., Bennett Gayle, D., Sharma, P., Ogunbayo, O. T., & Cherukuru, J. (2025). A Review of Ethical Challenges in AI for Emergency Management. *Knowledge*, 5(3), 21. <https://doi.org/10.3390/knowledge5030021>

3. **Dadson, Y. A.**, Bennett-Gayle, D. M., Ramenzoni, V., & Gilmore, E. A. (2024). Experiences of Immigrants During Disasters in the US: A Systematic Literature Review. *Journal of Immigrant and Minority Health*. <https://doi.org/10.1007/s10903-024-01649-8>
4. Kumi-Yeboah, A., Kim, Y., Yankson, B., Aikins, S., & **Dadson, Y. A.** (2023). Diverse students' perspectives on privacy and technology integration in higher education. *British Journal of Educational Technology*, 54(6), 1671–1692. <https://doi.org/10.1111/bjet.13386>
5. Opong, J. R., **Dadson, Y. A.**, & Ansah, H. (2022). Africa's innovation and creative response to COVID-19. *African Geographical Review*, 41(3), 318–335. <https://doi.org/10.1080/19376812.2021.1897635>

Book Chapter (peer-reviewed)

1. **Dadson, Y. A.** (2026). The Digital Divide and Unequal Access to AI Technologies in Immigrant Communities: A Focus on New York State. In S. Aikins, A. Kumi-Yeboah, & B. Yankson (Eds.), *Revolutionizing Secure Learning in the Age of AI* (pp. 1-36). IGI Global Scientific Publishing. <https://doi.org/10.4018/979-8-3373-0756-5.ch001>
2. **Dadson, Y. A.**, Mohammed, Z., Hussein, B., Armah, Y. E., & Kumi-Yeboah, A. (2025). Ethics and Privacy in AI Education: Prospects and Challenges in Higher. *Artificial Intelligence and Human Agency in Education: Volume One: The Nexus Between AI and Human Agency in Educational Contexts*, 215.
3. **Dadson, Y. A.**, Ottah, A. N., & Caramancion, K. M. (2023). A Demographic Model to Predict Arrests by Race: An Exploratory Approach. In S. Latifi (Ed.), *ITNG 2023 20th International Conference on Information Technology-New Generations* (Vol. 1445, pp. 427–430). Springer International Publishing. https://doi.org/10.1007/978-3-031-28332-1_49

Conference Proceedings (peer-reviewed)

1. **Dadson, Y. A.**, Sharma, P., Bennett-Gayle, D., & Yuan, X. (2025). Exploring the Influence of Social Capital on the Perception and Use of COVID-19 Apps in New York State: A Qualitative Secondary Analysis of Focus Group Data. In *International Conference on Human-Computer Interaction* (pp. 3-21). Cham: Springer Nature Switzerland.
2. Bennett Gayle, D., **Dadson, Y.**, Goodarzi, M., & Yuan, X. (2025). COVID-19 Mobile Applications for Vaccination in New York State (NYS). *Hawaii International Conference on System Sciences (HICSS)*. (Nominated for Best Paper Award).
3. Yankson, B., Berkoh, E., Hussein, M., & **Dadson, Y. A.** (2024). The Role of Industry-Academia Partnerships Can Play in Cybersecurity: Exploring Collaborative Approaches to Address Cybercrime. *International Conference on Cyber Warfare and Security*, 19(1), 26–33. <https://doi.org/10.34190/iccws.19.1.2169>
4. Yuan, X., Bennett Gayle, D., Jung, E. S., & **Dadson, Y. A.** (2023). COVID-19 Contact Tracing Mobile Applications in New York State (NYS): An Empirical Study. In H. Degen, S. Ntoa, & A. Moallem (Eds.), *HCI International 2023 – Late Breaking Papers* (pp. 505–524). Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-48057-7_32
5. Bennett Gayle, D., Yuan, X., **Dadson, Y. A.** & Edwards, N. (2023). Contact Tracing Mobile Application in New York: Qualitative Study on the Use and Privacy Perceptions. Proceedings of 20th Annual Global Conference on Information Systems for Crisis Response and Management (ISCRAM 2023) Omaha, NE May 27-31, 2023 (Best Paper Award).
6. Yuan, X., Bennett Gayle, D., **Dadson, Y.A.**, & Jung, E. (2022). Perception and Use of COVID Contact Tracing Mobile Applications in New York State (NYS). *Proceedings of the Association for Information Science and Technology*, 59(1), 845–847. <https://doi.org/10.1002/pr2.746>

Journal Articles (non-peer reviewed)

1. **Dadson, Y. A.** and Akekudaga, Philip, When the Ground Shakes: Social Media Responses to the 2024 Northeast Earthquake. Available at SSRN: <https://ssrn.com/abstract=5462365> or <http://dx.doi.org/10.2139/ssrn.5462365>

WORKING PUBLICATIONS

Book Chapters (peer-reviewed)

1. Edwards, N., **Dadson, Y. A.**, Bennett Gayle, D., and Yuan, X.-J. (2024). Discussions on COVID-19 Mobile Apps: Insights into Mental Health in NYS (Accepted).

Journal Articles (peer-reviewed)

1. **Dadson, Y. A.** (2026). Human-AI Complementarity in Organizations: How Implementation Approach Shapes Employee Outcomes. *Journal of Organizational Behavior* (Submitted).
2. **Dadson, Y. A.** (2026). Beyond Rhetoric: Stakeholder Discourse and Urban Flooding in Accra, Ghana, 2015-2025. *African Geographical Review* (Submitted).
3. **Dadson, Y. A.**, & Bennett-Gayle, D. M. (2025). State of the emergency management academic programs: 5-year longitudinal trend analysis (2019-2023). *Journal of Emergency Management* (Accepted).
4. Kumi-Yeboah, A., **Dadson, Y. A.**, (2025). Fostering Artificial Intelligence ethics literacy among diverse students in higher education. *British Journal of Educational Technology* (Submitted).
5. Kumi -Yeboah, A., **Dadson, Y. A.**, Mohammed, Z., Hussein, M. (2025). Addressing equity, ethics, and policies in the emergence of Artificial Intelligence-based technologies in education: Prospects and challenges (Submitted).
6. Bennett Gayle, D., Albert, N., & **Dadson, Y. A.**, (2025). Emergency Management Students in U.S. Academic Institutions: Equity and Workforce Readiness. *Journal of Emergency Management*
7. Bennett Gayle, D., **Dadson, Y. A.**, Goodarzi, M. & Yuan, X. (2024). Comparison between COVID-19 Contact tracing and Vaccination Mobile Applications in New York State (NYS).
8. **Dadson, Y. A.** (2023). Sub - Saharan Immigrants and Financial Recovery from Disasters.
9. **Dadson, Y. A.** (2023). A Review of the Security Challenges with Mobile Money Systems in sub-Saharan Africa.

CONFERENCE PRESENTATIONS AND POSTERS

Presentations:

1. **Dadson, Y. A.** (2026). Who Do Vulnerable Communities Trust During Disasters? 2026 Conference of Minority Public Administrators (COMPAA) Annual Conference. Durham, NC. (February 22-25, 2026).
2. **Dadson, Y. A.**, Sharma P., Bennett-Gayle D. and Yuan. X., (2025). Exploring the Influence of Social Capital on the Perception and Use of Contact Tracing and Vaccination Apps in New York State during the COVID-19 Pandemic: A Qualitative Secondary Analysis of Focus Group Data. *HCI International 2025 Conference (HCII2025)*, Gothenburg, Sweden (virtually). (June 22 – 25, 2025).
1. **Dadson, Y. A.**, Bennett Gayle, D., & Yuan, X.-J., D., (2024). Analyzing Public Reactions to the April 2024 Northeast U.S. Earthquakes Using YouTube: Implications for People-Centric Risk Communication. *ASIS&T 2024 SIG-USE Symposium (Virtual)* (October 4th, 2024).
2. **Dadson, Y. A.**, Bennett-Gayle, D., Ramenzoni, V., and Gilmore, E. (2024). Challenges collecting Climate-related Perspectives from Immigrant Communities in Philadelphia. *Megalopolitan Coastal Transformation Hub (MACH) Annual Meeting 2024; Rutgers University Camden Campus Center.* (May 28 – 30, 2024).
3. **Dadson, Y. A.**, Bennett-Gayle, D., Ramenzoni, V., and Gilmore, E. (2024). Discussions on COVID-19 Mobile Apps: Focus Group Insights into Mental Health in New York State. *2024 iConference Workshop 248 - Artificial Intelligence and Mental Health, China (virtually).* (April 21, 2024).

4. **Dadson, Y. A.** (2023). Challenges and Concerns of Immigrants During Disasters. *Megalopolitan Coastal Transformation Hub (MACH) Annual Meeting 2023; Rutgers University Camden Campus Center.* (May 30 – June 1, 2023).
5. **Dadson, Y. A.** (2023). Experiences of Immigrants During Disasters. *Ben Ami Lipetz Conference: New Trends in Information Research (NTIR) College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany- State University of New York.* (April 2023, Emerging Technology & Entrepreneurship Complex, ETEC Lobby).

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Posters:

1. **Dadson, Y. A.** (2025). Bridging Barriers: Advocating for Inclusive Disaster Management for Immigrant Communities. *IAEM Annual Conference & EMEX 25.*
<https://www.iaem.org/Portals/IAEMconf/documents/2025/posters2025/Yvonne-Dadson-Poster.pdf>
(November 14 – 20, 2025).
2. **Dadson, Y. A.,** Sharma P., Bennett-Gayle D. and Yuan. X., (2025). Relationships As Resources: The Impact of Social Capital on Perception and Use of Covid-19 Apps. *50th Annual Natural Hazards Research and Applications Workshop.* (July 13 – 17, 2025).
3. **Dadson, Y. A.,** Bennett-Gayle, D., Ramenzoni, V., and Gilmore, E. (2025). The Climate Divide: Unveiling the Disproportionate Burden on Immigrant Communities in the United States. *Climate and Health Frontiers Symposium, University of Houston Hilton Hotel* (January 16 – 17, 2025).
(Crowd Favorite Third-Place Best Poster Award).
4. **Dadson, Y. A.,** Bennett-Gayle, D., Ramenzoni, V., and Gilmore, E. (2024). Impacts of Disasters on Immigrant Populations in the U.S.: A Systematic Literature Analysis. *49th Annual Natural Hazards Research and Applications Workshop.* (July 14 – 18, 2024).
5. **Dadson, Y. A.,** Bennett-Gayle, D., Ramenzoni, V., and Gilmore, E. (2024). Disaster Impacts on Immigrant Populations in the U.S.: A Systematic Literature Analysis. *Disaster Research Center 60th Anniversary Workshop, University of Delaware.* (May 2 – 4, 2024).
6. **Dadson, Y. A.** (2023). Challenges Immigrants Face During Disasters: A Systematic Literature Review. *FEMA's 25th Annual Emergency Management Higher Education (HiEd) Symposium.* (June 5-7, 2023).
7. Yuan, X., Bennett Gayle, D., **Dadson, Y.,** & Jung, E. (2022). Perception and Use of COVID Contact Tracing Mobile Applications in New York State (NYS). **85th Annual Meeting of the Association for Information Science and Technology, Wyndam Grand | Pittsburgh, 2022. (October 31st, 2022).** [*Proceedings of the Association for Information Science and Technology, 59(1), 845–847.*].
<https://doi.org/10.1002/pra2.746>
8. **Dadson, Y.A.** (2022). Sub – Saharan Immigrants and Financial Recovery from Disaster. *Student Research Showcase, College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany- State University of New York.* (April 2022).
9. **Dadson, Y. A. & Ottah, A.** (2022). A Demographic Model to Predict Arrests by Race: An Exploratory Approach. *New York Celebration of Women in Computing (NYCWIC).* (April 2022).

Abstract:

1. Ramenzoni, V., Gayle, D. B., Gilmore, E., Bollempalli, M., **Dadson, Y. A.,** & Fatema, N. (2024). Household Decision-Making on Climate Adaptation Among Low-Income Residents in Pennsylvania and New Jersey. *AGU24.*
2. **Dadson, Y. A.** Bektaş, N. & Gautam, R. (2023). Enhancing Community Resilience Against Earthquakes: A Study of Existing Buildings in Western Region, Nepal. *2023 NHERI Graduate Student Council Virtual Mini-Conference.* (May 2023).

Participation:

1. **Dadson Y. A.** (2025). Beyond the Undocumented: Immigrants and Disasters. *3-Minute Thesis (3MT) Competition,* University at Albany, State University of New York.

2. Bennett-Gayle D. & **Dadson Y. A.** (2024). State of the Community (2019-2023). *The 26th Annual Federal Emergency Management Agency Higher Education Symposium. National Emergency Training Center Campus, Emmitsburg, Maryland.* (June 3-5, 2024).

Newsletters:

1. **Dadson, Y. A.** (2025, November). Bridging Barriers: Champions for Inclusive Disaster Management in Immigrant Communities (pg. 11-12). *Special Focus on Champions of Change, Part 2; IAEM Bulletin.* <https://www.iaem.org/resources/newsletter>
2. **Dadson, Y. A.** (2025, November). A Multi-Hazard Emergency Training Halt: An Emergency Management Crisis (pg. 22-24). *Special Focus on Champions of Change, Part 2; IAEM Bulletin.* <https://www.iaem.org/resources/newsletter>

Blogs:

1. Dadson, Y. A. (2025, November). “Are You Trustworthy?” What I Learned Asking This Uncomfortable Question in Eastern North Carolina – Bill Anderson Fund. Retrieved January 18, 2026, from <https://billandersonfund.org/are-you-trustworthy-what-i-learnedasking-this-uncomfortable-question-in-eastern-north-carolina/>

GRANT FUNDING

2022 - Present **Graduate Research Assistant:** Large-scale CoPe: Megalopolitan Coastal Transformation Hub (MACH): Improving the Understanding and Governance of Co-Evolving Hazards, Development, and Coastal Processes. National Science Foundation. PI: Robert Kopp (Rutgers). **\$19,949,000** (Sub)

TEACHING EXPERIENCE

Adjunct Professor

- Justice, Equity, Diversity, and Inclusion: Emergency Management and Homeland Security (CEMH 192), University at Albany, SUNY. Undergraduate (Fall, 2026)
- “Risky Business”: Protecting Our Communities and Infrastructure (CEMH 201), University at Albany, SUNY. Undergraduate (Fall, 2026).
- Homeland Security (CEHC 343), University at Albany, SUNY. Undergraduate (Spring, 2026)

Instructor of Record

- Research Methods for Informatics (CINF 200), University at Albany, SUNY. Undergraduate (Summer session 2026)
- Research Methods for Informatics (CINF 200), University at Albany, SUNY. Undergraduate (Winter session 2026)
- Research Methods for Informatics (CINF 200), University at Albany, SUNY. Undergraduate (Summer session 2025)
- Emergency Preparedness (CEHC 344), University at Albany, SUNY. Undergraduate (Summer 2025)
- Research Methods for Informatics (CINF 200), University at Albany, SUNY. Undergraduate (Winter session 2025)
- Research Methods for Informatics (CINF 200), University at Albany, SUNY. Undergraduate (Summer session 2024)
- Research Methods for Informatics (CINF 200), University at Albany, SUNY. Undergraduate (Winter session 2024)
- Emergency Preparedness (CEHC 344), University at Albany, SUNY. Undergraduate (Summer 2023)

- External Internship in Emergency Preparedness, Homeland Security and Cybersecurity (EHC 390), University at Albany, SUNY. Undergraduate (Winter 2021)
- Technology-Based Community Support (INF 467), University at Albany, SUNY. Undergraduate (Winter 2021)
- Undergraduate Internship Informatics (INF 468), University at Albany, SUNY. Undergraduate (Winter 2021)

Teaching Assistant

- Cybersecurity Basics (INF124X), University at Albany, SUNY. Undergraduate (Spring 2021)
- Introduction to Data and Databases (INF 202), University at Albany, SUNY. Undergraduate (Spring 2021)

SERVICE

Professional Membership

2025	Chair, Lightning Talks Committee, The William Averette Anderson (BAF) Fund
2025	Mid-Atlantic VOAD Regional Conference Scholarship Committee
2024	Member , Northeast chapter of the Association of Information Science and Technology (NEASIS&T) Programming Committee
2023 – Present	Student Member , American Society for Public Administration
2022 – Present	Student Member , Association of Information Science and Technology (ASIS&T)
2020 – Present	Student Member , Texas City Management Association
2011 – 2017	Student Member of The Chartered Institute of Bankers, Ghana

University

2024	Graduate Ambassador , College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC), University at Albany – SUNY.
2023 – Present	Member of the Order of the Sword & Shield Academic and Professional Honor Society, Omicron Sigma Sigma (University at Albany Chapter).
2022 – Present	Member , Natural Hazards Engineering Research Infrastructure Graduate Student Council (NHERI GSC).
2022	Student Member , CEHC's Justice, Equity, Diversity, and Inclusion (JEDI) Student Group, College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC), University at Albany–SUNY.
2022 – 2023	Treasurer , Information Science Student Association College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC), University at Albany –SUNY.
2021	Member of Faculty Search Committee for three Informatics/ Cybersecurity Assistant Professors, College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC), University at Albany – SUNY.
2014 – 2015	Member , Welfare Committee, <i>Graduate Students' Association</i> (GRASAG), University of Ghana.

Profession

2026	reviewer , <i>Discover Education, Springer Nature</i>
2025	reviewer , <i>npj Digital Medicine</i>
2025	reviewer , <i>International Journal for Equity in Health</i>
2025	reviewer , <i>Journal of International Migration and Integration</i>
2025	reviewer , <i>Journal of Hunger and Environmental Nutrition</i>
2025	reviewer , <i>59th Hawaii International Conference on System Sciences (HICSS)</i>

2025 **reviewer**, *IGI Global Scientific Publishing*
 2025 **reviewer**, *Journal of International Migration and Integration*
 2025 **reviewer**, *Journal of Immigrant & Refugee Studies*
 2024 **reviewer**, *The International Journal of Mass Emergencies and Disasters*
 2024- to date **reviewer**, *Disasters Journal*
 2024 **sub-reviewer**, *Western Journal of Emergency Medicine*
 2023 – to date **reviewer**, *Association for Information Science & Technology (ASIS&T)*
 2023 – 2024 **reviewer**, *British Journal of Educational Technology*
 2023 **reviewer**: *SN Social Sciences*
 2022 **reviewer**: *Aslib Journal of Information Management*
sub-reviewer: *BMC Public Health*

Community-at-large

2023 **Student Volunteer**, FEMA’s 25th Annual Emergency Management Higher Education (HiEd) Symposium
 2022 – Present **Volunteer**, E²SET hosts RISE High, Schenectady 9th graders at CEHC.
Volunteer, E²SET hosts RISE High, Schenectady 9th graders at CEHC.
 2020 **Student Member** of Texas City Management Association
 2020 **Volunteer**, Martin Luther King Day of Service
Volunteer, 2020 Equity & Diversity Conference
 2019 **Volunteer**, Denton County Friends of the Family
Volunteer, Rise Against Hunger
Volunteer, Make a Difference at Newton Razor Elementary, Denton TX.
Volunteer, GrowXGood Fest, Tetra Pak

Technical Skills

- Programming languages: Python; R
- Software: Microsoft Office Suite; ArcGIS Pro; ArcMap; ArcGIS Online
- Libraries and Packages: Jupyter; Pandas; Notebook; Matplotlib