

CONOR KELLY

Data engineer and team leader. Demonstrated track record of leadership, excellence, and adapting to new tools. Professional expertise in health and education data. Passionate about real-world data challenges.



EXPERIENCE

2023

| present

Deloitte

Senior Consultant, Data Science and Engineering

- Developed pipeline to extract information from millions of pages of unstructured documents submitted to the FDA.
- Enabled comprehensive surveillance of critical drug substance supply chains, saving thousands of man-hours by using natural language processing, large language models, and named entity recognition for data identification and standardization.
- Led weekly discussions with 20+ FDA stakeholders to determine scope and approach to critical projects, ultimately resulting in hundreds of FDA employees adopting new analytics tools.

2021

| 2023

Deloitte

Consultant, Data Science and Engineering

- Developed cloud data pipelines to support analytics projects for the FDA, serving as deputy lead of data engineering team.
- Assigned and oversaw work of team members, led scrum calls, and served as a code reviewer for CI/CD processes.
- Automated the ingestion and processing of over 25 million data points, enabling FDA's first-ever analysis of order-level data from industry for early identification of drug shortages.

2019

| 2021

Hanover Research

Senior Director, Data Analytics

- Managed team of 10 data scientists working to support Hanover's clients in its education and commercial practices.
- Instituted new team-wide practices and protocols including version control and reproducible code and analysis templates.
- Reduced timelines and resource investment for client projects.

2015

| 2019

Hanover Research

Content Director

- Managed research projects and consulting engagements for over 50 education-sector clients. Collaborated with superintendents, heads of school, and directors of research and evaluation to plan and execute research agendas.

CONTACT



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ckelly17.github.io

EDUCATION

University of Notre Dame

B.A. Political Science (2014)

Johns Hopkins University

M.S. Applied Economics (2019)

TECHNICAL SKILLS

Python: Extensive experience with pandas and pyspark for data processing and machine learning

SQL: Highly proficient in SQL (and pysparksql) for data pipelines

R: Extensive experience in data wrangling and analysis

Tableau: Experience designing dashboards for public use and organizational decision-makers

Additional technical skills

- Git (GitHub/GitLab) for CI/CD
- Cloud infrastructure (AWS)
- Distributed computing (Spark, Databricks)

OTHER SKILLS

- Team management and mentorship
- Project management (Salesforce/JIRA)
- Requirements gathering
- Client/stakeholder relations



EXPERIENCE (CONTINUED)

- Hanover Research**
Content Analyst
 - Served as project lead and editor for other analysts in addition to own research work and responsibilities.
- Hanover Research**
Research Associate
 - Authored research and analysis reports for K-12 and higher education clients to drive evidence-informed decision-making.



PERSONAL AND VOLUNTEER PROJECTS

- COVID Tracking Project:**
 - Developed data ingestion pipeline and Tableau dashboard for CTP's Long-Term Care data tracker (<https://covidtracking.com/nursing-homes-long-term-care-facilities>) in 2020 and 2021.
 - Wrote articles analyzing COVID-19 data
- Public Dashboards:**
 - Maintained automated data pipelines and hosted dashboard visualizations on my personal website (<https://ckelly17.github.io/dashboards>) on a variety of topics, including multiple COVID-19 dashboards and political polling analyses.
 - Collectively, these dashboards have received hundreds of thousands of views from users around the world.
- Flight tracking Twitter app**
 - Developed and deployed application to analyze military flight traffic in Eastern Europe in 2022 and 2023. No longer updating.