Nicholas Lambert

Analyst/BI Developer

Patient about investigating patterns and anomalies. I enjoy telling stories using data. And I thrive in creative environments where ideas are encouraged and shared. Building data products that add value to users and to me as a developer is critical to my work.

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SKILLS

DevOps Tools: ALM Octane, Azure DevOps   Languages: R, SQL, Python, SAS   Version Control: Git

Source Control: GitHub, Bitbucket   Writing: Research Reports, Data Briefs, Methodology Papers

Collaboration Tools: MS Teams, Slack   Business Intelligence: Power BI, Tableau   Pull data: SQL, SQL Server, Power Query

Automation: R, Python, SAS scripts

WORK EXPERIENCE

Senior Data Analyst / BI Developer (contractor)
Department of Industry, Science, Energy and Resources

2021 - Present
Petroleum Data and Analysis
Achievements/Tasks

- Senior analyst supporting petroleum data analytics and statistical reporting functions
- Developed and deployed a tool that allows users to simulate what-if scenarios to explore 'next-best' policy settings
- Mentored junior analysts on reproducible data analysis and taught Power BI (M, DAX, R script injection) for automation purposes
- Designed and implemented machine-readable data extracts to accompany statistical reporting
- Integrated external APIs with our data products to redress data gaps support the analysis functions of business
- Automated data commentaries to support consistent use of language and to reduce the resource intensity of the process
- Built ad hoc Power BI reports to support policy teams and executive leadership
- Developed a product for reporting the deltas between data connections (extracts and live) so the impacts to key metrics could be quantified and monitored

Senior Data Analyst (contractor)
Department of Health

2019 - 2021
Workforce Data Analysis and Planning
Achievements/Tasks

- Senior analyst on the development of a geospatially enabled web application for health workforce planning
- Developed R scripts and reproducible workflows for Shiny App development and published results to RStudio Connect
- Developed Teradata SQL statements to prepare datasets needed for analysis in R
- Maintained R workflows for the microsimulation of the GP workforce providing primary care services
- Mentored junior analysts on tidy data principles and taught R programming for automation purposes
- Provided ad hoc data analysis for technical lead
- Authored methodological papers on using time series analysis to forecast future demand for GP services, and using geographically weighted regression to validate the approach to GP workforce microsimulation
- Manipulated GB size files in R that was not possible in Excel

WORK EXPERIENCE

Senior Data Analyst
Department of Environment and Energy

2017 - 2019

Energy Statistics and Analysis

Achievements/Tasks

- Senior analyst covering statistical reporting during transition from a voluntary to mandatory data collection model (the enactment of the *Petroleum and Other Fuels Reporting Act 2017*)
- Exploratory analysis and interrogation of survey data, based on responses from upstream and downstream oil and gas companies
- Created and presented petroleum statistics decks containing reporting insights, analyses of key business metrics, and other insights to place data in context

Macroeconomic Analyst
Australian Bureau of Statistics

2015 - 2017

Macroeconomic Statistics Research

Achievements/Tasks

- Provided analytical support to business areas on issues of concepts, definitions, data sources and methods used to prepare national statistics
- Authored and presented papers containing insights and analyses to drive methodological development of national statistics

International Investment Analyst
Australian Bureau of Statistics

2011 - 2015

Balance of Payments and International Investment Position

Achievements/Tasks

- Primary analyst on securities issues and portfolio data compiled from a survey on a security-by-security by country of investor basis

AWARDS & ACHEIVMENTS

15th Energy Statistics Course (2018)
International Energy Agency
- Selected for methodological training in Paris

Award and Recognition for Achievement in Auditing (2010)
Griffith University
- For obtaining the highest grade in the cohort

Collaboration Award (2018)
Department of Environment and Energy
- Demonstrated active stakeholder engagement

Academic Excellence Award (2008, 2010)
Griffith University
- GPA of 6.0 over two consecutive semesters

COURSES

IBM Professional Certification in Data Science (2019)
Coursera

Machine Learning Foundations (2018)
Coursera

ArcGIS II: Essential Workflows (2020)
ESRI Australia

EDUCATION

Bachelor of Commerce, Bachelor of International Business
Griffith University

2011