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 set up and simulate what-if scenarios to explore 'next-best' policy settings
- Mentored junior analysts on reproducible 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 and support analysis functions of business
- Automated data commentaries to support consistent use of language and reducing the resource intensity of the process
- Built ad hoc Power BI reports to support policy teams and executive leadership
- Developed and deployed a product for reporting the deltas between data connections: extracts and live so the impact to key business metrics could be quantified

Senior Data Analyst (contractor)
Department of Health

2019 - 2021
Workforce Data Analysis and Planning
Achievements/Tasks

- Senior analyst contributing to the development of a geospatially enabled web application for workforce planning
- Developed R scripts and reproducible workflows for Shiny App development and published it to RStudio Connect
- Developed custom Teradata SQL statements for data wrangling, writing results to tables or creating views, and analysis
- Modified and maintained R scripts for a microsimulation model of the health workforce
- Mentored junior analysts on tidy data principles and taught R programming for automation purposes
- Provided ad hoc statistical analysis and model performance reporting for technical lead
- Authored methodological papers for R models including using ensemble time series analysis to forecast future demand for GP services, and using Geographically Weighted Regression to validate approaches for the microsimulation of the primary health care workforce
- Manipulated GB size files in RStudio 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*)

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

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

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

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

COURSES

IBM Professional Certification in Data Science (2019)
Coursera

ArcGIS II: Essential Workflows (2020)
ESRI Australia

Machine Learning Foundations: A Case Study Approach (2018)
Coursera

EDUCATION

Bachelor of Commerce, Bachelor of International Business
Griffith University

2011