

# 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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📍 Canberra, Australia

## 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 a product for reporting the deltas between data connections (extracts and live) so the impacts to key 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 on 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 GP 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 & ACHIEVEMENTS**

### **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: A Case Study Approach (2018)**

Coursera

### **ArcGIS II: Essential Workflows (2020)**

ESRI Australia

## **EDUCATION**

### **Bachelor of Commerce, Bachelor of International Business**

Griffith University

2011