

TOM M. DOBSON

EXPERIENCE

Analytics Consultant

The Information Lab

Apr 2022 – Present

London

- Completed an intensive, highly competitive, four-month training programme at a leading data analytics consultancy, specialising in Tableau, SQL, Alteryx, Power BI, and Python
- Provided two years of technical consulting at Inmarsat, IAG Cargo, and the BBC, as detailed below
- Automated an internal process to detect new client opportunities in Notion and generate supporting documentation, directly saving **0.25 FTE** and eliminating human error
- Designed and implemented an automated system using Python, GitHub Actions, Zapier, and Snowflake to detect new Tableau User Group events online and post alerts to an internal network

SQL

Tableau

Python

Alteryx

PowerBI

Zapier

Insight Analyst

Inmarsat

Jan 2024 – Present

London

- Designed and deployed a revenue protection system using SQL and Tableau to identify contracts approaching their end-of-commitment date, exposing **£2.9m** in annualised revenue at risk in April 2024
- Created SQL queries to unify and standardise over ten tables of product performance data into a single source of truth. Designed a Tableau front end to alert the business of performance changes and source table issues, resulting in significant time savings
- Developed SQL to migrate ETL pipelines from Alteryx to GCP, translating complex workflows with iterative processes and scaffolding and improving the reliability of data delivery and performance.

SQL

Tableau

dbt

Alteryx

ADF

Advanced Analytics & Reporting Analyst

IAG Cargo

Feb 2023 – Aug 2023

London

- Developed and productionised SQL procedures and a Tableau front end to intelligently distribute warehouse tasks based on resource availability and task complexity, directly saving **1 FTE** and enabling a headcount reduction
- Designed and deployed an automated system in Oracle to expose **£98k** in incorrectly declared cargo in 2023, enabling the recuperation of lost revenue via automated incident reporting through BusinessObjects
- Performed a full audit of an undocumented database to assess its capacity for enhancing performance monitoring of business operations and presented findings to senior stakeholders
- Scoped and re-engineered an Oracle database schema to eliminate errors when calculating business-critical flight performance metrics, tested changes in parallel, and oversaw migration to the new design

SQL

Tableau

BusinessObjects

Tableau & Alteryx Consultant

British Broadcasting Corporation (BBC)

Jul 2022 – Jan 2023

London

- Designed and implemented data pipelines in Alteryx to clean and combine over six million rows of survey data. Created an accompanying Tableau front end to aggregate this information into a single source of truth
- Automated the production and delivery of daily reports on high-performing news stories for senior stakeholders using Alteryx

SQL

Tableau

Alteryx

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SKILLS

Tableau

Alteryx

SQL

dbt

Python

Power BI

Databases

BigQuery

Snowflake

PostgreSQL

Oracle 11g

MS SQL Server

Management

GitHub

Jira

Notion

Data Engineering

SQL

Python

dbt

Git

PowerShell

YAML

Data Science

Jupyter

NumPy

pandas

CERTIFICATIONS

dbt Fundamentals

June 2024

Alteryx Designer Advanced

Mar 2024

Power BI Data Analyst Associate

Oct 2023

Tableau Certified Data Analyst

Aug 2023

EDUCATION

MSc (R) Biological Sciences

University of Bristol

Sep 2016 – Aug 2021

First Class · BSc

Nominee · Best PhD/MSc Thesis¹

Python

R

SPSS

TeX

¹T. M. Dobson, Master’s thesis, University of Bristol, 2022, (<https://bit.ly/td-thesis>).