

JOB DESCRIPTION



Title: Data Scientist

Full-Time (37.5hrs per week)

Reports to: Analytics Manager

Responsible for: N/A

Office location: Agilysis Limited Offices, Banbury

Job Purpose

The post holder will play an important role in the delivery of a range of analytical and research projects for Agilysis using different data science techniques and open source software. The post holder will work closely with the Analytics team to understand where data science can add value and create impact; as well as using best coding practices and generating reproducible work.

Key Responsibilities

- Apply working knowledge of data science to transport safety issues for our clients
- Develop, code, maintain and document programs, scripts and reproducible pipelines as part of a multi-disciplinary team
- Create outputs including charts and dashboards to communicate analytical findings to clients, using a variety of software packages including R and R Markdown
- Work closely with the Data Engineer to maintain robust data management practices facilitating the rapid and effective deployment of products and solutions
- Identify and communicate lessons learnt during projects and follow best practice
- Support delivery of analysis and research projects for clients in the UK and worldwide
- Make an ongoing contribution to developing a range of transport research areas within our business
- Pursue continuous professional development and training to maintain and develop relevant knowledge and skills

Scope and Scale

The role will principally focus on using data science techniques to aid the delivery of analytical products to Agilysis clients, as well as bespoke research projects. The post holder will also contribute to developing Agilysis' analytical and research portfolio for clients in the UK and overseas. There will be substantial opportunities to develop by gaining valuable hands-on experience working on data science projects and taking part in training where available.

Performance Expectations

The post holder will be appraised by their supervisor and will be responsible for regular delivery of certain standard products and research projects. They will exhibit a degree of autonomy and should be able to work with appropriate guidance in accordance with agreed policies and procedures.

Approval & Review

Signed:

Date: 09/02/2024

Post approved by:

This job description is due for review on: 09/02/2025

Job Description

Agilysis Limited

A company registered in England

Company registration number: 10548841

VAT registration number: 260 4741 19

Directors: D Campsall, R Owen, B Walton, K Batchelor, T Fosdick

Registered Office: 27 Horse Fair, Banbury, OX16 0AE

Title: Data Scientist

Business Competencies

Scale 0 - 4	Expected level of competence
Strategy and planning	2
Commercial awareness	2
Service provision (contract management, accounts, etc)	1
Leadership and initiative	2
Changing and improving	3

Education, Training & Qualifications

Scale 0 - 3	Expected level of competence
Educated to GCSE level or equivalent	3
Educated to A-Level or equivalent	3
Relevant University degree	3
Relevant professional qualification or certified training	1

Key Competencies

Scale 0 - 4	Expected level of competence
Collaboration and communication skills	2
Organisational and time management skills	2
Ability to curate and implement procedures and processes	2
Microsoft Office Suite and basic IT literacy	4

Flexible working	1
English language skills, both written and verbal	2
Administration (Contracts, appraisals, Ts & Cs, general paperwork/documentation, etc)	1
Full driving licence and use of a car*	1

*Scale 1 - 3

Management Competencies

Scale 0 - 4	Expected level of competence
People	2
Projects	2
Finance	0
Change	2
Risk	2

Knowledge and Skills

Essential Skills	Desirable Skills
R	Postgres
R Markdown	GIS tools and analysis
R Shiny	Github
SQL	

Essential Knowledge and Experience	Desirable Knowledge and Experience
Programming and build	Transport safety analysis and data
Data science	Geospatial analysis
Working as a part of a multidisciplinary team	Data engineering and manipulation
Creating solutions to solve problems	Applied maths, statistics and scientific practices

Approval & Review

Signed:



Date: 09/02/2024

Profile approved by:



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Person Profile

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