

Data Science Workflow Automation

Jumping Rivers are renowned experts in data science and machine learning. We work with organisations around the world, and assist them in moving to a data-first approach. With a depth of experience across multiple industries, we can aid with challenges faced when delivering and developing data science and machine learning services.

This service helps to reduce the time and effort involved in the data-analysis-report production workflow.

In many industries analysis speed and reproducibility is of critical importance. Jumping Rivers help companies build efficient and production quality pipelines in R or Python. By automating these workflows companies can greatly accelerate the time from initial data availability to report writing thus improving productivity significantly.

Jumping Rivers can advise on how best to do this in any given environment and then, if required, build and implement the recommended solution.

In the first instance Jumping Rivers recommend a short piece of work to investigate the requirement further, looking at all aspects of the current workflow, technologies and techniques used. From this Jumping Rivers would produce a report that outlines their recommendations for improvements and the related costs.

We believe that all our engagements should involve knowledge transfer to your team. During a project, we share our project handbook that details how time is spent and documentation. We can also provide training courses on any of the technologies or methods in use, including one-to-one support throughout a project.

Features

- Experience in building automated production pipelines
- We investigate your pipeline and make recommendations for improvement
- Automated pipeline development in R or Python
- Automates laborious tasks
- Completely reproducible outputs
- Uses all the latest R and Python reporting tools
- Expert knowledge in statistics, machine learning, and data science
- Mentoring and training

- Experts in RMarkdown and Quarto

Benefits

- Rapidly decrease time from data analysis to reporting
- Save time in building regular reports
- Complete accuracy in output every time
- Easy to reproduce in the future, if needed
- Create templates to be used multiple times
- Allows staff to re-purpose their time