Maria Prokofieva

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| PhD, GradDip Acc, B Sc IT/Ed, GradCert HE, FCPA  Head of Data Science at Mitchell Institute for Education and Health Policy  Senior lecturer, Victoria University  CPA Australia Innovation and Technology committee  Group lead - Data analytics – CPA Australia  R Consortium Working Group - R Business – Director  Certified AWS Educator | **Ph**: 0404039413  **Email**: [maria.prokofieva@vu.edu.au](mailto:maria.prokofieva@vu.edu.au) / [maria.prokofieva@gmail.com](mailto:maria.prokofieva@gmail.com)  **LinkedIn**: in/mariapr/  **GitHub**: maria-pro |

# SKILLS - Technical

**ML/AI:** Tensorflow / Keras, PyTorch, Hugging Face, LLMs, AI Developer Platform Weights & Biases, Pinecone, advanced modelling and deep learning applications

**Data Mining & extraction:** SQL, API/ RESTful API, data scraping, pdf, image recognition

**Data visualization and insights:** advanced charting, interactive tables, dashboards

**Report generation and presentation:** Jupyter Notebook, RMarkdown, Quatro, RShiny, React, Bootstrap 5.0, D3.js

**Project management:** AGILE/Scrum Methodologies

**Collaborative/Cloud platforms:** Git, AWS, Google Cloud, RStudio Cloud , Weights & Biases

**Education**

PhD – Business Information Systems (ITS)

Master/Bachelor of Science in ITS and Education (with First Class Honours) - Russia

Graduate Diploma in Accounting (with High Distinction) - La Trobe University, Australia

Graduate Certificate in Tertiary Education - Victoria University, Australia

# EXPERIENCE

**Head of Data Science - Mitchell Institute at Victoria University – October 2021- current**

<https://www.vu.edu.au/mitchell-institute/about>

* Lead and oversee the delivery of timely data analytics and ML/AI projects, developing data integration, data insights, ML/AI prototypes and presentations to stakeholders.
* Lead and manage multidisciplinary teams, building collaborative work environment, mentoring staff and providing guidance
* Select, develop and implement data analytics tools and technologies to support organisation/projects needs, including managing data storage, cloud resources, data sharing and visualization platforms while ensuring data privacy, data security and data governance
* Lead aggregation and analysis of data from diverse sources, application of advanced analytics, machine learning, and AI to extract actionable insights and develop innovative solutions that enhance the team's capabilities.
* Prepare and deliver communication statement and presentation for internal and external stakeholders, communication with external senior management, funding bodies and industry peak organisations.

**Head of Business analytics RStudio/Posit (US) remote 2020 – current** [**https://www.r-consortium.org/**](https://www.r-consortium.org/)

* Implementation of data science and ML/AI in business applications
* Engagement and leadership in the industry and sector through developing tools and applications for stakeholders

**Senior research fellow/senior lecturer – ML/data science, Victoria University July 2010- current**

* Development and execution of AI models, prototypes and POCs for research publications, funded projects and business aplications
* Conducting high quality research and delivering funded research projects as reflected in high quality publications and project deliverables.

**CPA Australia, Innovation and Technology committee – 2020-current**

* Providing guidance and overview on available accounting/audit initiatives in the area related to ML/AI and business applications.
* Organizing and maintenance of high calibre events, including webinars and workshops for CPA Australia members, communication with CPA Australia members to provide advice and guidance.