**Appendix B: Statement of Authorship**

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| **This declaration concerns the article entitled:** | | | | | | | | | | | | | | |
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| **Candidate’s contribution to the paper (provide details, and also indicate as a percentage)** | | The candidate contributed to / considerably contributed to / predominantly executed the…  Formulation of ideas:   * Section 5.4 (Univariate Challenges): 0% — all ideas formulated and researched by HE. * Section 5.5 (Multivariate Challenges): 100% — all ideas formulated and researched by MP. * Section 5.6 (Conclusion): 50% — ideas relating to multivariate challenges are by MP.   Design of methodology:   * Section 5.4 (Univariate Challenges): 0% — methodology designed by HE. * Section 5.5 (Multivariate Challenges): 100% — methodology designed by MP.   Experimental work:   * Section 5.4 (Univariate Challenges): 0% — analysis conducted by HE. * Section 5.5 (Multivariate Challenges): 100% — analysis conducted by MP.   Presentation of data in journal format:   * Section 5.2 + 5.3 (Abstract + Introduction): 50% — written jointly with HE. * Section 5.4 (Univariate Challenges): 0% — written by HE. * Section 5.5 (Multivariate Challenges): 100% — written by MP. * Section 5.6 (Conclusion): 50% — discussion of univariate challenges is written by HE; dicussion of multivariate challenges is written by MP. * Formatting in journal format: 50% — equal contribution with HE. | | | | | | | | | | | | |
| **Statement from Candidate** | | This paper reports on original research I conducted during the period of my Doctoral Degree candidature. | | | | | | | | | | | | |
| **Signed**  **(typed signature)** | | Matthew Pawley | | | | | | | **Date** | | | 08/12/2024 | | |