


Statement of Authorship for joint/multi-authored papers for PGR thesis

To appear at the end of each thesis chapter submitted as an article/paper

The statement shall describe the candidate's and co-authors' independent research contributions in the thesis publications. For each publication there should exist a complete statement that is to be filled out and signed by the candidate and supervisor (**only required where there isn't already a statement of contribution within the paper itself**).


Title of Paper	Marginal Density Ratio for Off-Policy Evaluation in Contextual Bandits
Publication Status	<input checked="" type="checkbox"/> Published <input type="checkbox"/> Accepted for Publication <input type="checkbox"/> Submitted for Publication <input type="checkbox"/> Unpublished and unsubmitted work written in a manuscript style
Publication Details	Muhammad Faaiz Taufiq, Arnaud Doucet, Rob Cornish, and Jean-Francois Ton. Marginal density ratio for off-policy evaluation in contextual bandits. In Thirty-seventh Conference on Neural Information Processing Systems, 2023.

Student Confirmation

Student Name:	Muhammad Faaiz Taufiq		
Contribution to the Paper	The idea of using marginalization for OPE arose during discussions with Arnaud Doucet during our previous project on Conformal Off-Policy Prediction. I derived all of the theoretical results presented in the paper. I also implemented and ran all of the experiments to validate the theoretical results. I took the lead in writing however Jean-Francois Ton also contributed to writing the introduction and provided constant feedback on the write-up. During frequent meetings, my collaborators helped out with helpful suggestions on methodology and feedback. Arnaud Doucet and Rob Cornish provided valuable suggestions for the write-up and checked the results presented in the paper.		
Signature		Date	15/07/2024

Supervisor Confirmation

By signing the Statement of Authorship, you are certifying that the candidate made a substantial contribution to the publication, and that the description described above is accurate.

Supervisor name and title: Dr Rob Cornish			
Supervisor comments I confirm the above is accurate.			
Signature		Date	15/07/2024

This completed form should be included in the thesis, at the end of the relevant chapter.