

Affidativ
according to section 25 (5) of the doctoral degree regulations of
August 11, 2025

I hereby declare in lieu of oath that I have completed this dissertation independently and without the use of any aids or literature other than those specified.

No persons other than the co-authors listed in the paper were involved in the substantive preparation of this paper. All passages that are taken verbatim or are paraphrased from published and unpublished third-party works are labelled as such. I declare in lieu of oath that this dissertation has not yet been submitted to any other Faculty or university for examination; that it has not yet been published – apart from the stated partial publications and included articles and manuscripts – and that I will not publish the dissertation before completion of the PhD without the approval of the PhD committee. I am aware of the provisions of the PhD regulations of the PhD programme at the Faculty of Management, Economics and Social Sciences of the University of Cologne.

Furthermore, I hereby declare that I have read the guidelines of the University of Cologne for safeguarding good scientific practice and that I have observed them during execution of the work on which the dissertation is based and in the written dissertation itself. I hereby undertake to observe and implement the guidelines stated therein in all scientific activities. I confirm that the submitted electronic version corresponds completely to the submitted printed version. I assure you that I have told the truth to the best of my knowledge and have not concealed anything.

Place, Date

Signature