

**Maximilien VAKAMBI DIALUFUMA**  
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**Web : <https://dialufuma.github.io/>**

## OBJECTIVES

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- Communication skills ;
- Research skills, ability to analyze, synthesize and make judgments ;
- Interpersonal work skills ;
- Programming skills ;
- Demonstrates thoroughness and attention to detail ;
- Affiliate member of the Statistical Society of Canada (SSC) ;
- Researcher at GREPROVAD (<https://www.greprovad.org/>) ;
- In process of SOA (Society of Actuaries) exams.

## EDUCATION

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- 2019 -2021 : Master's degree in Statistics, Laval University (Canada) ;
- 2010 - 2016 : Bachelor in Mathematical Sciences (Magna Cum Laude), University of Kinshasa (D.R.Congo) ;

## EXPERIENCES

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- **November 2021 to present** : Data manager (Research assistant) at the Montreal Behavioural Medicine Centre (MBMC) :
  - Ensure quality and consistency of all statistical variables for the International COVID-19 Awareness and Responses Evaluation (ICARE) study ;
  - Ensure quality and consistency of all statistical variables for the REBORN (Research on bariatric care for obesity treatment) study ;
  - Ensure the quality and consistency of all statistical variables for the EMBRACE (Evaluation the impact of radical nutrition and microbiome changes on brain function and structure) study ;
  - Maintain or create data dictionaries ;
  - Perform statistical analyses with the collected data ;
  - Assists in the preparation of reports, manuscripts and presentations of analytical results.
- **September 2019 to April 2021** : Teaching assistant in the Department of Mathematics and Statistics at Laval University ;
- **November to December 2015** : Intern at the Central Bank of Congo.

## KILLS

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- Gpower, LaTeX, Logiciel R
- Microsoft office, Python, SAS, SQL

## RESEARCH INTERESTS

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- Actuarial science
- Data science
- Probability and Statistics

## LANGUAGES

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- English
- French

## DISTINCTIONS

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- Excellence scholarship - Master's in Statistics : Fall 2019 - Winter 2021
- Sobey's scholarship (Winter 2021)

## PUBLICATION

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- Tshimula J.M., Nkashama D., Kalonji K., **Dialufuma M.V.**, Mukendi D.M., Kanda H., Tshibangu J.M, Mayemba C.N, (May 12-14, 2023) **Redesigning Electronic Health Record Systems to Support Developing Countries.**, 7th International Conference on Medical and Health Informatics, Kyoto, Japan. <https://arxiv.org/pdf/2302.01281.pdf>
- Deslauriers, F., Léger C., Bacon, S. L., Atoui, M., **Dialufuma, M.**, Atto, J. E., Duval, S., Lavoie, K. L. on behalf of the iCARE Study team. iCARE Report : **Emotional, health, occupational and social impacts of the length of recommended COVID-19 isolation periods in individuals with COVID-19 symptoms or a positive test.** Presented for the Public Health Agency of Canada (PHAC) to iCARE collaborators via Zoom on November 17, 2022. [https://www.youtube.com/watch?v=LmzGhu\\_W-GY](https://www.youtube.com/watch?v=LmzGhu_W-GY)
- Molloy G.J., Bacon S.L., Lavoie K.L., Durand H., Atoui M., **Dialufuma M.**, on behalf of the ICARE study team (August 23-27, 2022) **Motivations to get Covid-19 vaccinations : A cross-sectional lifespan analysis of an Irish iCare study sample.**, 36th Annual Conference of the European Health Psychology Society, Bratislava, Slovakia.