



Mesfin Diro CHAKA

PHD CANDIDATE

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Professional Summary

I'm a computational Data Science faculty member at Addis Ababa University with high interest in applying Data Science skills to solve real world problems. I have gained a wide variety of scientific computing techniques such as Numerical method, Modeling and Simulation, Network Analysis, High- Performance Computing(HPC), High throughput computing(HTC), Machine Learning and Deep learning.

Education

Addis Ababa University

P.H.D STUDENT

Addis Ababa, Ethiopia

2019-Present

Addis Ababa University

MASTER'S IN COMPUTATIONAL SCIENCE

Addis Ababa, Ethiopia

2011 - 2013

Mekele University

BACHELOR IN PHYSICS

Mekelle, Ethiopia

2002 - 2006

Skills

- Data Science skill such as Machine Learning, Deep Learning, Geometric Deep Learning, Natural Language Processing
- Python Programming, R Programming, Unix Shell, Matlab, FORTRAN, SQL, TeX
- Certified instructor & trainer for Data & Software Carpentry
- Certificate in Data Scientist Track with Python Track
- Certificate in Research Data Science from Codata-Rda

Presentations & Conferences

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| 2021 | Presentation in Ethiopian Physical Society Conference | Wolkite University, Ethiopia |
| 2019 | Presentation in ASOP CoData, Research Data Science Summer School, Addis Ababa University | Addis Ababa, Ethiopia |
| 2018 | Presentation in International Data Week(IDW2018), University of Botswana | Gaborone, Botswana |
| 2018 | Presentation in Codata-Rda Summer School, University of Rwanda | Kigali, Rwanda |
| 2017 | Presentation in 40+ The Carpentries Workshops at different Universities | Ethiopia |

Publications

- Mesfin Diro Chaka, M. G. (2019). *Ethiopian data literacy and community development - post workshop learning environment*. <https://doi.org/10.20372/NADRE/4051>
- Guta(PhD), M. D. C. A. B. (2013). *Minimum Cost Production and Transportation Plan: The case of Leather Industry*. <https://doi.org/10.20372/ethernet:1519397995.5>
- Gurmesa, G. S., Benti, N. E., Chaka, M. D., Tiruye, G. A., Zhang, Q., Mekonnen, Y. S., & Geffe, C. A. (2021). Fast 3D-lithium-ion diffusion and high electronic conductivity of Li₂MnSiO₄ surfaces for rechargeable lithium-ion batteries. *RSC Adv.*, 11, 9721–9730. <https://doi.org/10.1039/D1RA00642H>