



Data Science Bootcamp **January – February 2023**

The Data Science and Artificial Intelligence group in the School of Science, Engineering and Technology will be hosting an in-person data science Bootcamp on **Saturday 14th Jan, 21st Jan, 28th Jan, 4th Feb & 11th Feb between 8:00 am to 5:00 pm.**

The objective of the bootcamp is to impart foundational knowledge and skills in data science.

Areas to be Covered:

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|----------------------------------|----------------------------|
| 1. Introduction to Data Science | 11. Linear Algebra |
| 2. Introduction to Statistics | 12. IBM SPSS |
| 3. Introduction to R Programming | 13. Hypothesis Testing |
| 4. Google Data Studio | 14. Regression Analysis |
| 5. Data Engineering | 15. Differential Calculus |
| 6. Data Collection | 16. Excel for Data Science |
| 7. Exploratory Data Analysis | 17. Data Science at Scale |
| 8. Kobo Toolbox | 18. Data Storytelling |
| 9. Dimensionality Reduction | 19. Data Visualization |
| 10. Association Rule Learning | 20. Apache Spark |

Eligible Participants

- Faculty, Undergraduate and Postgraduate students from Kabarak University.
- Have a github portfolio showcasing at least one original AI / ML project.
- Available for entire duration of the bootcamp (*the five Saturdays*).

Application Procedure

1. **Create an account on the OpenLearn Platform** - <https://elearn.kabarak.ac.ke/>
2. **Enroll onto the Data Science course** with the enrollment key – j@n2023#
3. **Share the link to your github portfolio** on the assignment provided by midnight Wednesday 11th January.
4. A total of **30 participants** will be invited to participate in the in-person bootcamp.

Benefits of Participation

1. Hands on Skills in data science.
2. Certificates of Training.
3. Completion of this bootcamp is a pre-requisite for selection for the **health data science hackathon** that will take place on **17th - 19th February 2023**.

*For inquiries or further details kindly contact - Dr Moses M Thiga on
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