

Experimental Mathematics with SageMath

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Course Information

- **Name** – Experimental Mathematics with SageMath
- **Website** – <https://evansdoe.github.io/aims-za/ems/2024-25/>
- **Tutors** – Brice, Mina, and Valera
- **Lecturer** – Evans

Course Information

- **Format:** Highly interactive
- **Objectives**
 - Develop problem-solving skills through computational exploration.
 - Understanding and applying computational and programming techniques to number theoretic problems.
 - Master the use of SageMath for mathematical experimentation.
 - Formulate, explore and proof mathematical conjectures discovered through computational approach.
 - Effectively communicate mathematical findings.

Course Information

- **Assessments**
 - **Daily Report:** A report of what was done in class based on your understanding.
 - **Homework:** Two assignments for the first two weeks.
 - **Group Presentation:** Final week.