

$$P(A|B) = \frac{P(B|A)P(A)}{P(B)}$$



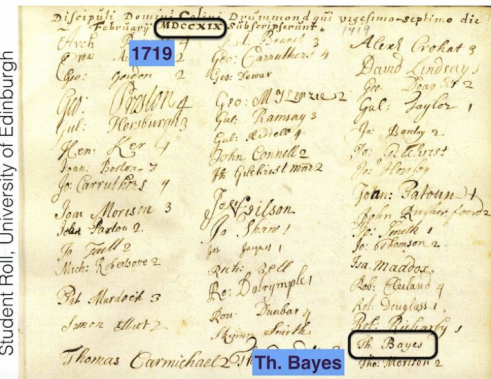
Bayes AI-ISBA

Section Meeting, Oct 28, 2026



THE UNIVERSITY
of EDINBURGH

Student Roll, University of Edinburgh



Intro and Update

- We set up a formal petition to create the Bayes AI Section of the [International Society of Bayesian Analysis](#) (ISBA) in April 2025, which was approved in September 2025.
- Current: 93 members, \$800. After j-ISBA, BNP, BayesComp, it is now one of the largest among the remaining 8 [sections](#).
- Aim: foster interaction and collaboration between the Bayesian statistics and AI communities and promote the research, application, and dissemination of Bayesian inference in machine learning and AI

BayesAI Section Activities

- Website: <https://bayesai-isba.github.io/> (bylaws, clauses, etc.)
- Google group: <https://groups.google.com/g/bayesai-isba>
- [Handbook of Bayesian Deep Learning](#) (2026+, Chapman & Hall/CRC Press)
 - Large effort led by Theo Papamarkou
 - Any book income will go to BayesAI (for future meetings)
 - Consider apply for ISBA DeGroot Prize (~deadline May 2027)
- Short course on BDL at ISBA 2026 World Meeting, Nagoya
 - Material (slides, videos, practical) available on [website](#).
- Getting started page on [website](#) - feedback welcome!

BayesAI Section Activities

- Invited session at ISBA 2026:
 - Balint Mucsanyi on Bayesian unlearning
 - Thomas Moellenoff on federated learning and variational Bayes
 - Rafael Mouallem-Rosa on structured sparsity and uncertainty in BNNs
 - Discussion led by Vincent Fortuin
- Encourage proposals for invited sessions at ISBA 2028 (Milwaukee, USA)!
- First official meeting: BayesAI @ Edinburgh!
 - Massive thanks to Esmeralda Whitammer!!
 - 114 participants across informatics, mathematics, statistics, and more.

BayesAI Section Officers

- Current section officers: <https://bayesai-isba.github.io/officers.html>
- Elections open for Chair-Elect 2027, vote by **Nov 15**:
 - Yingzhen Li: <https://bayesian.org/civCRM/profile/view/?reset=1&id=65947&gid=29>
 - Mark van der Wilk: <https://bayesian.org/civCRM/profile/view/?reset=1&id=86848&gid=29>
- If you are interested in being involved please get in touch!
 - Terms are 2-3 years
 - At least two positions open every year
 - Candidates confirmed by end July

Future Meetings

- BayesAI @ Athens 2028:
 - National Technical University of Athens
 - Committee members: Theo Papamarkou, Julyan Arbel, TBC
- Please get in touch if you are interested in hosting a meeting!
 - Encourage surplus (if any) to be donated to the Section to support the next meeting
- Intersection with ProbML: <https://probml.cc/>
 - Explore options for joint or co-located events, lot of overlap in the communities

AOB?

- Feedback on workshop:
 - Contributed talks? Parallel sessions?
- Other initiatives?