

# Algorithmic Statistics

November 28<sup>th</sup> 2025, 9:45-16:50, Jesus College (Digital Hub), Oxford

## Speakers / Talks:

### — Francesco Orabona (KAUST)

State-of-the-art confidence intervals and confidence sequences through testing-by-betting algorithms

### — Emilie Kaufmann (Lille)

Efficient stopping rules for bandit pure exploration

### — Shirley Liu (Oxford)

On non-stationary bandit convex optimization

### — Guneet Dhillon (Oxford)

E-scores for (in)correctness assessment of generative model outputs

### — Vladimir Vovk (Royal Holloway)

Testing assumptions of IID and exchangeability online

### — Gergely Neu (Pompeu Fabra)

Online-to-X conversions: A recipe for algorithmic statistics

**Organisers:** François Caron, Eugenio Clerico, Patrick Rebeschini

**Sponsors:** Fundamentals of AI CDT, StatML CDT