3B: Research, Data and AI: Getting the Most out of New and Existing Research

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Dunkerque
Grand Littoral
COMMUNAUTE URBAINE

THE TALL SHIPS RACES
AND REGATTAS
organised by Sail Training International

Sail Training Research & AI

2023 Update

With Vernon Harten-Ash, Ben Clark and Murray Henstock

Your hosts for today's workshop

Murray Henstock   Ben Clark   Vernon Harten-Ash

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WORKSHOP OVERVIEW

- Introduction (20mins)

  - The Year in Review

  - STI Research Working Group

- Research and Artificial Intelligence (Overview then Explore) (40mins)

  - ChatGPT

  - ChatPDF
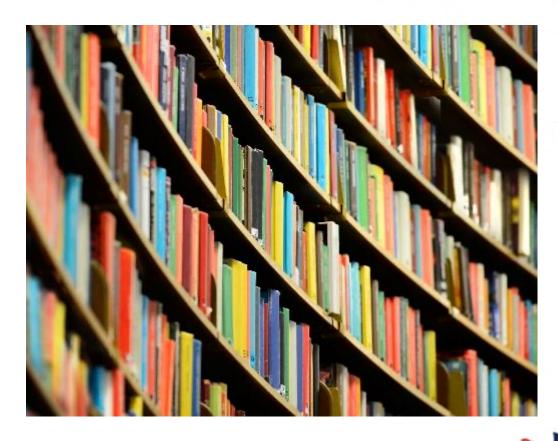
  - BingAI

  - Other Sites

- Q & A

- Contact Details

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STI Research – The Year in Review

STI Research Library Growth

Research Working Group

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STI RESEARCH LIBRARY

- What is there?

- How to access it?

- Literature review of what's included.

- Submitting New Additions.

STI RESEARCH LIBRARY

STI RESEARCH LIBRARY

- 16 Hosted Research Papers that we are adding to on an ongoing basis
    - Inc Research Grant projects
    - Academic articles
    - Studies undertaken by sail trainers and sail training organisations

- Directory of 30+ published research articles/papers
    - Hosted in various academic libraries
    - Accessible through academic institutions or individual purchase
    - Abstracts and snippets/overviews of study available without paying

- Templates to help with your research
    - Scoring guides for evaluating research
    - Gap Analysis document

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STI RESEARCH LIBRARY

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office@sailtraininginternational.org

- Review your submission
- Confirm access relevant requirements
- Publish to the archive

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STI Research Working Group

- Conduct periodic surveys to identify desired research topics and explore the best way to achieve these outcomes.

- Identify and pursue research partners (universities, research houses, motivated individuals)

- Identify common data sets to aid future research projects.

- Analyse existing data to identify factors motivating youth to participate in a sail training voyage.

- Increase the scope of the STI research library and access to summaries.

- Explore connections between land-based and sea-based outdoor education.

- Explore future financial and non-financial support options to help support large- and small-scale research.

- Develop a framework/forum to help connect those looking to conduct research with those seeking to fund research.

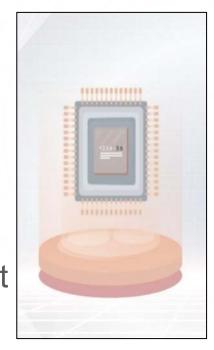# Common Data Sets + Ethics of Data Collection

- Age
- Gender (Identity)
- Socio-Economic Status
- Reason for Joining
- Ethnicity / Cultural Background
- Highest Level of Education achieved
- Primary Language spoken at home
- Household composition

- How did you hear about the program?
- How long have you been involved?
- How many times have you participated?
- Program expectations and outcomes?
- Change in community engagement
- Change in community Perceptions

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Research and Artificial Intelligence.

- The rise of AI in our society was not unexpected, yet the speed at which it has expanded has taken many by surprise.
- Its inclusion in everyday life and business is now inevitable.
- Clever, deliberate use of AI can accomplish in seconds what it may take hours, days or weeks for a human to complete.
- Whilst the potential benefits are great, we must be wary of the many potential pitfalls.

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Chat GPT (https://chat.openai.com/)

1. **Summarise Research Papers**
2. **Identify Key Concepts and Themes**
3. **Generate Literature Reviews**
4. **Data Analysis**
5. **Answer Questions and Clarifications**
6. **Generate Research Hypotheses**
7. **Citation and Reference Assistance**
8. **Comparative Analysis**
9. **Ethnographic Analysis**
10. **Bibliographic Search**

ChatGPT

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Chat PDF (https://www.chatpdf.com/)

1. **PDF Extraction**
2. **Keyword Search**
3. **Highlight and Annotate**
4. **Summarize and Organise**
5. **Data Extraction**
6. **Citation Management**
7. **Comparison and Cross-Referencing**
8. **Metadata Analysis**
9. **Collaboration**
10. **PDF to Text Analysis Tools**
11. **Mind Mapping and Visualisation**

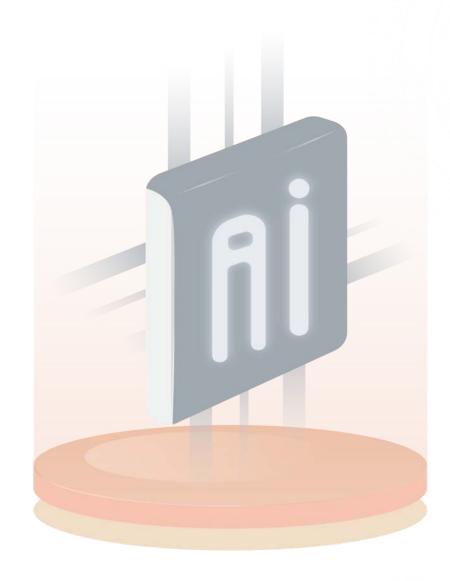CHATPDF

Bing AI (https://www.bing.com/new)

1. **Advanced Search**
2. **Topic Modelling**
3. **Text Summarisation**
4. **Keyword Extraction**
5. **Citation Analysis**
6. **Literature Review Assistance**
7. **Content Analysis**
8. **Data Extraction**
9. **Language Translation**
10. **Chatbots and Virtual Assistants**
11. **Machine Learning Models**
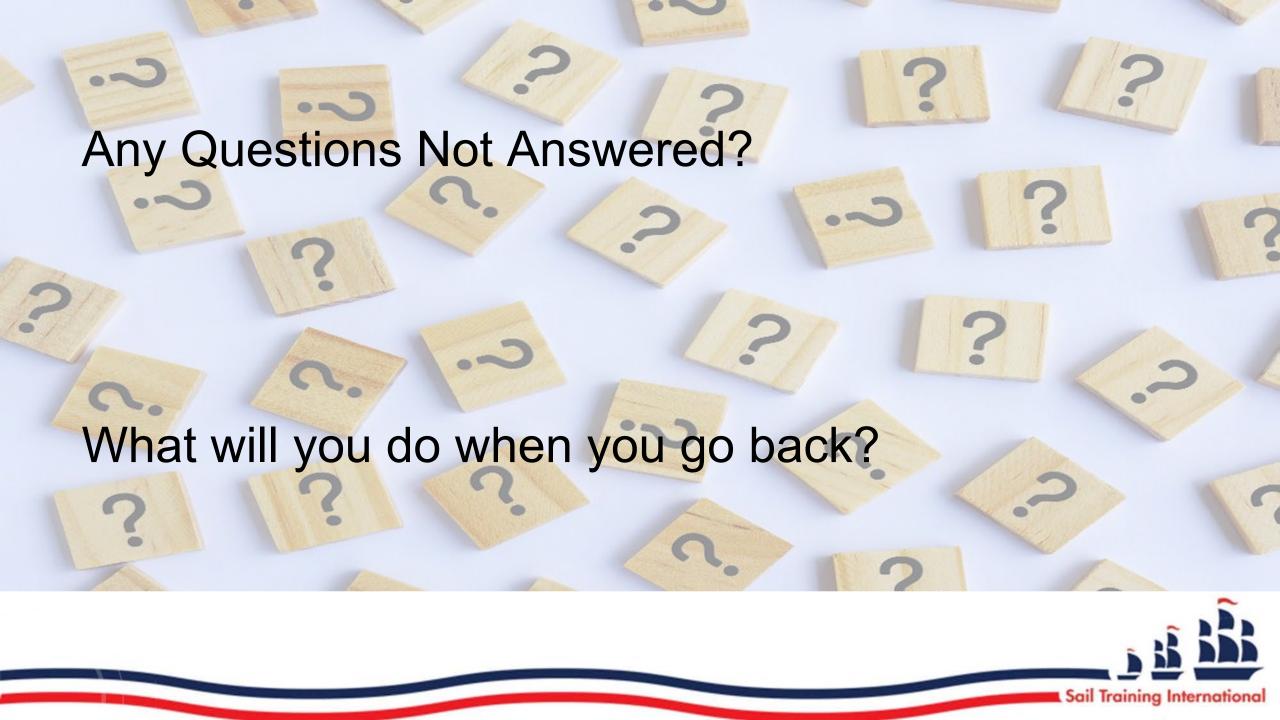

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Other AI tools

- https://www.insummary.com/
- https://www.layer.app/
- https://www.scholarcy.com/
- https://researchstudio.ai/
- https://typeset.io/
- https://www.summarise-me.com/

Pitfalls and Warnings

- Remember that while AI can be a valuable tool in the research process, it's essential to critically evaluate the information it provides and cross-check it with human expertise.
- Some AI knowledge is up to date only until its last update. It may not be aware of the most recent developments in outdoor education research. Always verify the accuracy and relevance of the information provided by AI in the context of your specific research project.

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Any Questions Not Answered?

What will you do when you go back?

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THE INTERNATIONAL SAIL TRAINING & TALL SHIPS CONFERENCE 2023

Thank you for joining us.
Please complete the conference evaluation at
https://www.surveymonkey.co.uk/r/STID23

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