

THE INTERNATIONAL SAIL TRAINING & TALL SHIPS CONFERENCE 2023

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



Sail Training Research & AI

2023 Update

With Vernon Harten-Ash, Ben Clark and Murray Henstock



Sail Training International

Your hosts for today's workshop

Murray Henstock



Ben Clark



Vernon Harten-Ash



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



STI Research – The Year in Review

STI Research Library Growth
Research Working Group



STI RESEARCH LIBRARY

- What is there?
- How to access it?
- Literature review of what's included.
- Submitting New Additions.



STI RESEARCH LIBRARY



The screenshot shows the homepage of the Sail Training International website. At the top left is the logo, which consists of three stylized sails. To the right of the logo are social media icons for Twitter, Facebook, YouTube, and Instagram, followed by a user profile icon and a 'Select Language' dropdown menu. Below this is a dark blue navigation bar with the following menu items: 'About Us', 'Races & Regattas', 'Vessels', 'Host Ports', 'Members', 'Business', and 'Conferences'. The main content area features a large image of a sailboat's deck with the text 'THE INTERNATIONAL VOICE OF SAIL TRAINING & ORGANISERS OF THE TALL SHIPS RACES'. Below this image are three dark blue buttons: 'SUPPORT OUR MISSION', 'CASE STUDIES', and 'LATEST NEWS & COVID-19 UPDATE'. On the right side of the page, there is a 'Resources' sidebar with a list of links: 'Funding & Grants', 'Research', 'Media Centre', 'Marketing Toolkit', 'News', 'Photo Galleries', 'Publications', and 'Jobs with Tall Ships'. A '1:04' timer is visible in the top right corner of the sidebar.



There is a body of independent academic research validating the power and value of sail training in the personal development of young people.

A selection of these studies can be downloaded here.

PROJECTS



SAIL TRAINING: A SYSTEMATIC REVIEW

Starting around 2000, research activity about sail training increased such that there is now sufficient research on the subject to constitute a foundation upon which an emerging body of literature can be identified. The literature has the potential to be utilised to influence program design, policy, theory, and practice—a growing area of youth development practice [...]



ASTO THEORY OF CHANGE, EVIDENCE REVIEW AND MEASUREMENT FRAMEWORK

Prepared for ASTO by James Noble, Anoushka Kinsley and Sarah Paine, Nise



This screenshot shows the top navigation bar of the website. It includes the logo on the left, social media icons, a user profile icon, and a 'Select Language' dropdown menu. Below these is a dark blue navigation bar with the following menu items: 'About Us', 'Races & Regattas', 'Vessels', 'Host Ports', 'Members', 'Business', 'Conferences', and 'Resources'.



SAIL TRAINING: A SYSTEMATIC REVIEW

Starting around 2000, research activity about sail training increased such that there is now sufficient research on the subject to constitute a foundation upon which an emerging body of literature can be identified. The literature has the potential to be utilised to influence program design, policy, theory, and practice—a growing area of youth development practice.

This systematic review of the current literature on sail training (post-2000) aims to (a) provide a single work for researchers and practitioners to consult for an overview of the current research on sail training; (b) perform a thematic analysis of the current trends for sail training research within the categories of demographic characteristics, research strategies, process, and outcomes; (c) quantify the greater discourse on sail training; and (d) suggest directions in which sail training research can go to build upon the current foundation.

The main findings from this systematic review are that a limited set of methods are used in sail training research; participants experience a positive long-term effect in regard to personal and social domains; structured program design can lead to better specified outcomes, and the effects of demographic characteristics such as gender, age, or socioeconomic background remain unexplored. Much of the research is noncumulative and the related theoretical frameworks lack coherence.

REFEREED PAPER

Sail Training: A Systematic Review



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



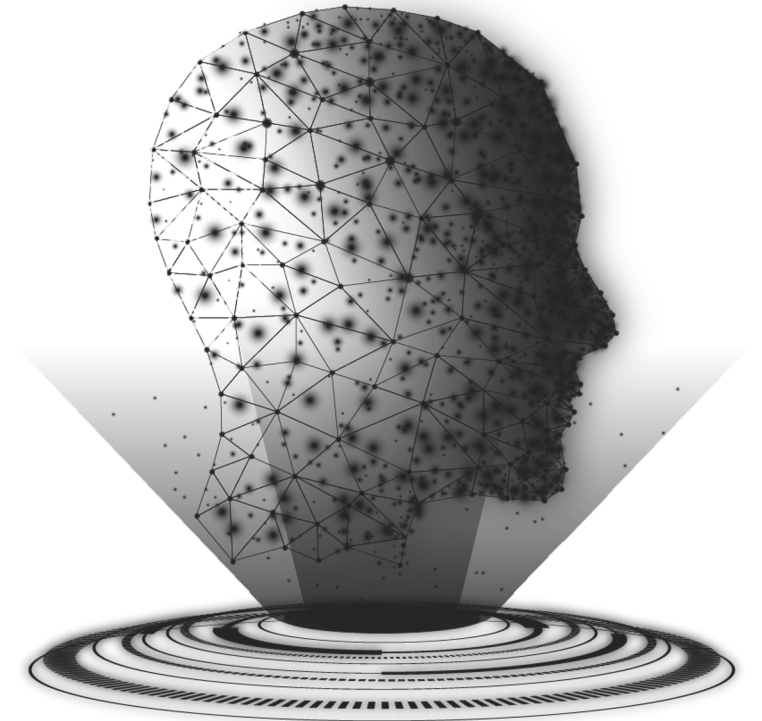
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murray.henstock@sailtraininginternational.org

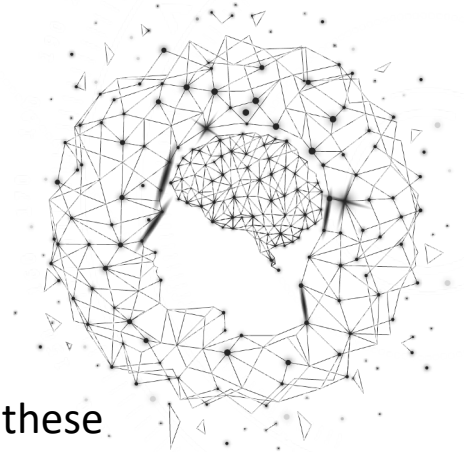
ben.clark@sailtraininginternational.org

office@sailtraininginternational.org

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



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.



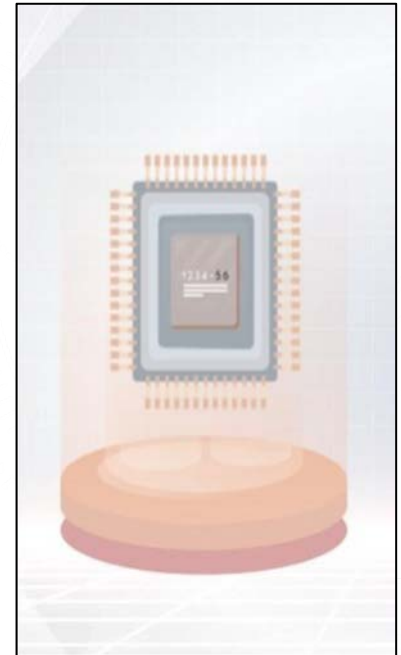
Common Data Sets + Ethics of Data Collection

- 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



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.



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



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



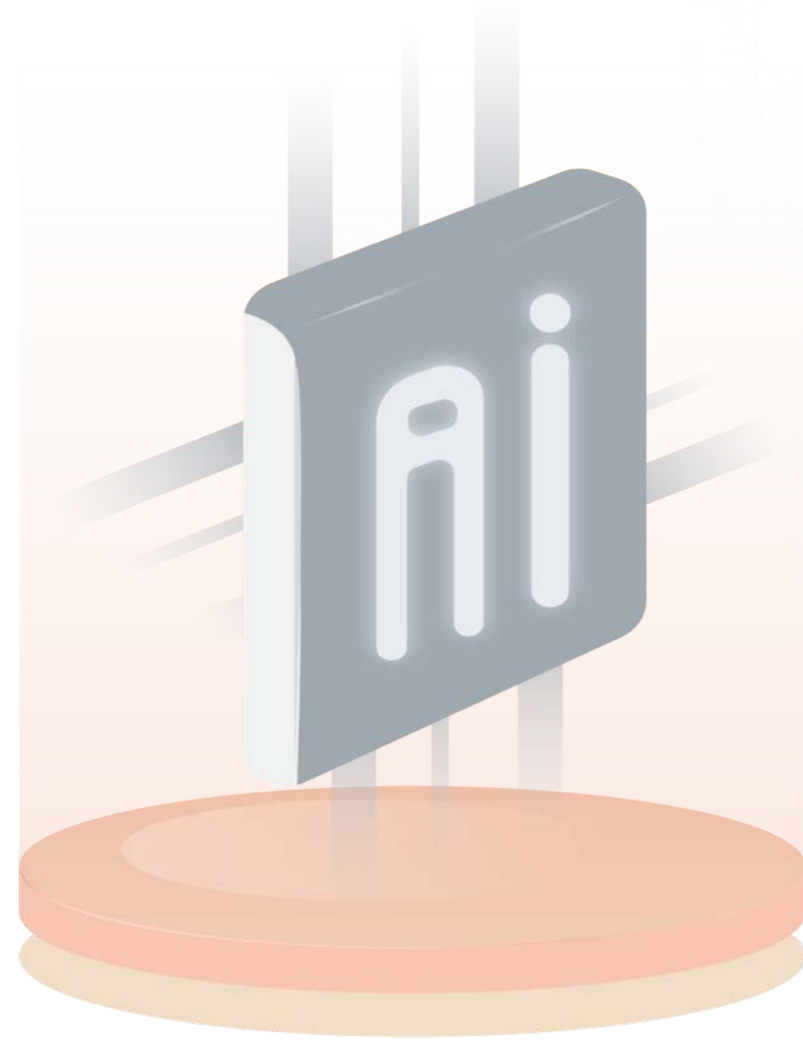
Bing AI (<https://www.bing.com/new>)

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



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.



Any Questions Not Answered?

What will you do when you go back?



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>**

