
DELIBERATION.IO: Facilitating Democratic and Civil Engagement at Scale with Open-Source and Open-Science

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Abstract

We present DELIBERATION.IO, an open-source digital platform designed to facilitate structured deliberation and democratic engagement at scale. The platform addresses critical gaps in existing civic technology through a modular architecture that supports a range of deliberation scenarios. DELIBERATION.IO is designed with the following principles: (1) Open science: the platform incorporates evidence-based design informed by deliberative democracy research and supports future research in this direction; (2) Transparency: the platform is fully open-source and is accessible to everyone; (3) Flexibility: a modular architecture accommodates diverse deliberative formats from citizen panels to organizational decision-making; (4) Human agency: AI augments rather than replaces human judgment, ensuring participants retain control over their deliberative experience; and (5) Accessibility: universal design principles and cross device support ensure inclusive participation across diverse populations. DELIBERATION.IO enables researchers and practitioners to easily design and monitor complex deliberative processes in diverse settings. All components are released under the MIT license to support collective efforts in building evidence-based civic engagement tools. The platform is publicly available at <https://deliberation.io>.

1 Introduction

Collective decision-making represents one of humanity’s most essential capabilities, enabling groups to navigate complex challenges from local community issues to global governance [Bose et al., 2017, Mann, 2018]. The quality of these decisions depends not only on *what* groups decide but critically on *how* they deliberate—the processes through which participants share information, consider diverse perspectives, and refine their understanding through structured interaction [Barabas, 2004]. Well-designed deliberative processes produce decisions that are more informed, legitimate, and broadly supported than those reached through individual judgment or unstructured processes [Fishkin and Luskin, 2005, Curato et al., 2017].

Historically, the format and practices of deliberation has been fundamentally shaped by available communication technologies. Ancient Athenian democracy institutionalized public debate in the *agora*, while Roman forums provided venues for civic discourse that influenced governance across vast territories. New England town meetings established enduring models of participatory democracy, and modern parliamentary systems codified structured debate procedures. Each innovation expanded the scope and scale of democratic participation, yet all remained constrained by physical proximity, temporal limitations, and the cognitive bounds of face-to-face interaction.

In modern society, digital technologies have dramatically altered the landscape of deliberation, enabling political conversations that span continents and engage millions of participants in real time. However, mainstream social media platforms are designed to optimize engagement metrics rather than deliberative quality, leading to well-documented problems including polarization and misinformation [Kubin and Von Sikorski, 2021, Arora et al., 2022, Muhammed T and Mathew, 2022, Aimeur et al., 2023]. Despite efforts to introduce fact-checking, content moderation, and civility features, large-scale online political discourse often fails to meet the standards of productive deliberation.

To address these issues, researchers and practitioners have started to explore new digital platforms and tools for democratic engagement [Tsai et al., 2024, Goldberg et al., 2024, Pentland and Tsai, 2024]. Tools like Pol.is and Remesh have been adopted by governments to broaden civic participation in policy-making processes [Konya et al., 2023, Small et al., 2021]. However, progress in this domain faces three significant barriers: **(1) Limited scientific foundation**: most of the tools are developed and deployed without comprehensive evaluation of the downstream effects on deliberation outcomes; **(2) Fragmented development**: many tools and studies built upon a very focused angle or step of deliberation that could not be easily integrated into a unified platform; and **(3) Lack of transparency**: many tools and platforms are closed-source which limit independent verification and community contribution.

We introduce DELIBERATION.IO, an open-source platform designed to address these challenges through a comprehensive, scientifically-grounded approach to digital deliberation. The platform is built on five core principles: **(1) Open Science**—all features are designed based on research evidence and subjected to rigorous evaluation; **(2) Transparency**—the entire platform is open-source under the MIT license, enabling community contribution and independent auditing; **(3) Flexibility**—a modular architecture allows researchers and practitioners to design diverse deliberative experiences without technical expertise; **(4) Human Agency**—AI components provide assistance while preserving human autonomy in decision-making; and **(5) Accessibility**—interfaces comply with accessibility standards and support diverse user needs.

With DELIBERATION.IO, any individual could leverage the existing components to design a unique deliberation process for a specific setting without any requirement for technical expertise. The platform flexibly supports a range of modules, including basic opinion polling features like commenting and voting, as well as advanced understanding and reflection modules like AI-based socratic dialogue and opinion visualization. All the modules can be seamlessly connected to provide unique deliberation experiences for the targeted audience, and the administrator can easily track the deliberation process and analyze the deliberation results through the carefully designed administrator dashboard. Altogether, DELIBERATION.IO helps to facilitate democratic and civil engagement at scale and provides a unique opportunity for researchers and practitioners to explore digital deliberative democracy.

By combining open-source development with rigorous scientific methodology, DELIBERATION.IO aims to accelerate progress in civic technology and democratic innovation. The platform provides a foundation for cumulative research on digital deliberation while offering practical tools for organizations seeking to engage communities in meaningful democratic processes. Through this approach, we seek to advance our collective capacity for thoughtful, inclusive decision-making at scale.

2 Design Philosophy

The development of this deliberation platform is grounded in a fundamental belief that democratic societies require robust mechanisms for informed public engagement and collective decision-making. While numerous digital platforms exist for gathering opinions and conducting surveys, there remains a critical gap in tools specifically designed to facilitate genuine deliberation—a process that goes beyond simple preference aggregation to enable participants to engage with complex issues, consider multiple perspectives, and form reasoned judgments through structured interaction. Traditional survey platforms often reduce complex social and political questions to simplistic binary choices or rating scales, failing to capture the nuanced reasoning that characterizes thoughtful deliberation. Similarly, existing deliberation tools frequently lack the flexibility needed to accommodate diverse deliberative formats or the analytical capabilities required to extract meaningful insights from rich deliberative data. This platform addresses these limitations by providing a comprehensive infrastructure that



Figure 1: Core design principles guiding the development of DELIBERATION.IO.

supports the full spectrum of deliberative activities while maintaining scientific rigor in data collection and analysis.

Open Science The platform is built upon established principles from deliberative democracy research, cognitive science, and human-computer interaction. Every design decision is informed by empirical evidence about how people process information, form opinions, and engage in collective reasoning. The platform’s data collection mechanisms are designed to capture not just final preferences but the deliberative process itself, enabling researchers to study how opinions evolve through exposure to information and interaction with others. This scientific foundation ensures that the platform serves not only as a tool for conducting deliberations but also as an instrument for advancing our understanding of democratic participation and collective intelligence.

Transparency Transparency operates at multiple levels within the platform’s design philosophy. For participants, the system provides clear visibility into the deliberative process, including how their responses relate to those of other participants through features like the Face of Crowd module. Participants can see aggregated response distributions, understand how their views compare to the collective, and observe the evolution of group opinion over time. For administrators, the platform offers comprehensive analytics and monitoring capabilities that make the deliberative process observable and accountable. All data collection practices are explicitly disclosed, with participants understanding exactly what information is being gathered and how it will be used. The platform’s open architecture and documented APIs enable external scrutiny and independent verification of results. This commitment to transparency extends to the algorithmic components as well—AI-facilitated discussions are designed to be explainable, with participants able to understand how artificial intelligence is being used to support their deliberative experience. By making the deliberative process visible and accountable, the platform builds trust among participants and stakeholders while enabling continuous improvement based on observed outcomes.

Flexibility The platform’s modular design philosophy recognizes that effective deliberation cannot follow a one-size-fits-all approach. Different topics, contexts, and participant groups require different

deliberative formats, and the platform must accommodate this diversity without sacrificing coherence or usability. The diverse module types—from simple text collection to complex AI-mediated discussions—can be combined in virtually unlimited configurations to create deliberative experiences tailored to specific needs. This flexibility extends beyond module selection to include customizable parameters within each module type, allowing administrators to fine-tune everything from the number of steps in a Likert scale to the prompts used in AI discussions. The multi-page structure enables complex deliberative sequences that can guide participants through information presentation, individual reflection, social learning, and final judgment formation. The platform’s JSON-based configuration system ensures that new module types and deliberative formats can be added without requiring fundamental architectural changes. This flexibility is essential for supporting the diverse range of deliberative applications, from citizen panels considering policy options to organizational decision-making processes to academic research on collective intelligence.

Human Agency Central to the platform’s design is a commitment to preserving and enhancing human agency in the deliberative process. While the platform incorporates artificial intelligence and automated features, these are designed to augment rather than replace human judgment and decision-making. Participants retain full control over their responses and can modify their inputs throughout the deliberative process. The AI chatbot modules are designed to facilitate rather than direct conversations, providing information and prompting reflection while allowing participants to determine the direction and content of their engagement. The platform’s social learning features—such as viewing others’ responses and voting on peer contributions—are designed to inform rather than pressure, giving participants access to collective intelligence while preserving their autonomy to form independent judgments. The system’s validation and guidance features ensure response quality without constraining the substance of participant contributions. This emphasis on human agency reflects a fundamental belief that legitimate democratic outcomes must emerge from the free and informed choices of participants rather than from algorithmic manipulation or coercion.

Accessibility The platform is designed with universal accessibility as a core principle, recognizing that meaningful deliberation requires the inclusion of diverse voices and perspectives. The modular design allows for multiple modes of engagement, ensuring that participants with different communication preferences and abilities can contribute meaningfully to deliberative processes. The platform’s responsive design ensures functionality across different devices and screen sizes, reducing barriers related to technology access. Language and literacy considerations are addressed through a clear, jargon-free interface design and the option to include plain-text explanatory modules within deliberations. Technical accessibility is complemented by procedural accessibility—the platform’s intuitive design and guided navigation reduce the digital literacy requirements for participation. This comprehensive approach to accessibility reflects the understanding that the legitimacy and effectiveness of deliberative processes depend fundamentally on their inclusiveness and the genuine opportunity for all affected parties to participate meaningfully in collective decision-making.

3 How to Use the System

This section provides a comprehensive guide to using the deliberation platform, covering the key concepts, administrative functions, and participant experience. The platform is designed to facilitate structured deliberation and decision-making processes through a flexible, module-based approach.

3.1 What is “Deliberation”

In this system, a **deliberation** represents a structured decision-making session designed to gather informed opinions and facilitate collective reasoning on specific topics or questions. Unlike simple surveys or polls, deliberations in this platform are characterized by several key features:

Multi-Modal Interaction Each deliberation consists of multiple interactive modules that can include text responses, Likert scale questions, multiple-choice selections, point distribution exercises, and social interaction components. This variety allows for comprehensive data collection that captures both quantitative preferences and qualitative reasoning.

Progressive Structure Deliberations are organized into sequential pages, guiding participants through a logical flow of information presentation, opinion formation, and response collection. This structure ensures that participants are properly informed before making decisions and can build upon previous responses.

Social Learning Components The platform incorporates "wisdom of the crowd" elements, allowing participants to see aggregated responses from others, engage with AI-facilitated discussions, and vote on peer-contributed ideas. This social dimension distinguishes deliberations from individual surveys by enabling participants to learn from and respond to collective input.

Modules Administrators can customize deliberations using the following module types:

- **Text Module:** Collects open-ended textual responses for detailed explanations and reasoning
- **Likert Module:** Presents scale-based questions for measuring agreement or preference intensity
- **Select Module:** Offers single or multiple-choice options for categorical responses
- **Plain Text Module:** Displays informational content, instructions, or background material
- **AI Socratic Dialogue:** generate a series of socratic questions to help participants reflect on their opinions
- **Face of Crowd Module:** Visualizes response distributions to show collective opinions
- **Comment Voting Module:** Allows participants to submit and vote on peer contributions

3.2 Administrator Workflow: Creating, Distributing, and Monitoring Deliberations

The administrative interface provides comprehensive tools for managing the entire deliberation lifecycle, from initial design through final analysis.

Creating Deliberations Administrators begin by accessing the "Create New Deliberation" interface, where they define the basic parameters, including title, description, and overall structure. The core of deliberation design involves adding and configuring modules using a drag-and-drop interface. Administrators can easily create multiple pages, configure available modules, and preview the participant experience in real-time. For complex deliberations, administrators can easily set up dependencies across multiple modules through module referencing. For example, Face of Crowd modules can reference specific Likert modules to display their response distributions, while Comment Voting modules can be linked to Text modules to enable voting on submitted comments. Before publication, administrators can preview the complete participant experience, test all interactive elements, and make final adjustments. The system validates the deliberation configuration to ensure all required fields are completed and module relationships are properly established.

Managing and analyzing deliberations Administrators distribute deliberations through public participation links and control availability through four status states: *draft* (design phase), *active* (accepting responses), *paused* (temporarily suspended), and *completed* (finalized). Each participant receives a unique token that enables response tracking while maintaining anonymity. The administrative dashboard provides live monitoring of participant engagement, including response rates, module completion statistics, and response distribution visualizations. This enables administrators to track deliberation progress and identify potential issues during active sessions. Furthermore, our system allows administrators to easily visualize deliberation outcomes using our advanced analytics features, and complete datasets can be exported in CSV format for external analysis.

3.3 Participant Experience and Engagement

The participant interface is designed to be intuitive and engaging while maintaining the integrity of the deliberation process.

Navigation and Module Interactions Deliberations present a guided experience with progress indicators and sequential page navigation. Each module type provides specialized interactions: text inputs with validation, slider controls for Likert responses, selection interfaces for categorical

questions, distribution tools for point allocation, AI chat interfaces, and voting mechanisms for peer content. The platform enables collective intelligence through aggregated response visualizations, peer comment voting, AI-facilitated discussions, and real-time community response updates, distinguishing deliberations from individual surveys by incorporating social learning elements.

Response Quality and Engagement The system ensures response quality through real-time validation, character limits and consistency checks. Advanced deliberations can present adaptive content based on previous responses, creating personalized experiences while maintaining comprehensive data collection. Upon completion, participants receive submission confirmation and access to preliminary results or community response summaries, enhancing their sense of contribution to the collective deliberation process. The platform's design ensures that participants experience deliberation as a meaningful engagement with important questions rather than a simple data collection exercise, supporting the goal of informed and thoughtful collective decision-making.

4 System Design and Architecture

This section presents the technical architecture of the deliberation platform, highlighting the key design decisions that enable flexible deliberation management and scalable deployment.

4.1 Overall Architecture

The deliberation platform follows a modern three-tier architecture that separates presentation, business logic, and data persistence concerns. This architectural pattern enables independent scaling of components and facilitates maintenance and development workflows.

The presentation layer consists of a React-based single-page application built with TypeScript for type safety and enhanced developer experience. The frontend implements two distinct user interfaces: an administrative dashboard for deliberation creation and management, and a participant interface for deliberation completion. Material-UI components ensure accessibility compliance and provide a consistent, professional user experience across different devices and screen sizes.

The application layer is implemented using FastAPI, a modern Python web framework that provides automatic API documentation, request validation, and high-performance asynchronous request handling. The backend architecture follows RESTful principles with clear separation between authentication services, deliberation management, participant tracking, and response collection. This modular approach enables independent testing and deployment of different system components.

The data layer utilizes PostgreSQL as the primary database, chosen for its robust support of JSON data types, ACID compliance, and mature ecosystem. An optional Redis cache layer can be deployed for session management and frequently accessed data, improving response times for high-traffic deliberations.

4.2 Data Storage Design

The platform employs a carefully designed relational database schema that balances structured data requirements with the flexibility needed for diverse deliberation configurations. The schema consists of three primary tables that capture the essential relationships and data flows within the system.

The *Users* table stores administrator account information, including authentication credentials secured with bcrypt hashing, profile metadata, and role-based permissions. This table supports the administrative functions of deliberation creation, management, and monitoring while maintaining secure access controls.

The *Deliberations* table serves as the central entity, storing deliberation metadata including titles, descriptions, creation timestamps, and current status (draft, active, paused, or completed). Most importantly, this table includes a JSONB configuration column that stores the complete deliberation structure, including all modules, their relationships, and page organization. This design decision enables the flexible module system while maintaining the benefits of relational data integrity and query performance.

```

{
  "modules": [
    {
      "id": "policy-preference",
      "type": "likert",
      "title": "Policy Support Level",
      "steps": 5,
      "minLabel": "Strongly Oppose",
      "maxLabel": "Strongly Support",
      "pageIndex": 0
    },
    {
      "id": "crowd-view",
      "type": "face_of_crowd",
      "title": "Community Responses",
      "sourceLikertModule": "policy-preference",
      "pageIndex": 1
    },
    {
      "id": "reasoning",
      "type": "text",
      "title": "Explain Your Position",
      "pageIndex": 1
    }
  ],
  "totalPages": 2,
  "pages": [
    {"id": "page-1", "title": "Assessment"},
    {"id": "page-2", "title": "Social Learning"}
  ]
}

```

Figure 2: Example deliberation configuration format.

The *Responses* table captures all participant submissions with a flexible structure that accommodates the diverse response types across all module categories. The table includes both structured fields for common response elements (votes, text responses) and a JSONB metadata column for module-specific data such as point distributions, chat conversation histories, and voting records. This hybrid approach ensures efficient querying for analytics while supporting the varied data requirements of different module types.

4.3 Flexible Configuration System

The platform's modularity is achieved through a carefully designed JSON-based configuration schema that defines deliberation structure, module types, and inter-module relationships. This configuration system is central to the platform's flexibility, enabling administrators to create diverse deliberation experiences without requiring code changes or database schema modifications.

The configuration schema supports complex deliberation flows through a hierarchical structure that organizes modules into pages and defines their relationships. Each module within the configuration includes type-specific parameters that control its behavior and appearance. For example, Likert modules specify scale ranges and endpoint labels, while Select modules define available options and whether multiple selections are permitted.

A key feature of the configuration system is its support for inter-module relationships, which enables advanced deliberation features such as social learning components. Face of Crowd modules can reference specific Likert modules to display real-time response distributions, while Comment Voting modules can be linked to Text modules to enable peer evaluation of submitted responses. These relationships are defined through module ID references within the JSON configuration, creating a flexible graph of module dependencies.

Figure 2 illustrates a typical deliberation configuration with multiple module types and inter-module relationships. This configuration-driven design allows researchers to easily share their deliberation design with others to improve the replicability of their studies and could also support the accumulation of community knowledge on designing the best deliberation experiences.

4.4 API Design and Security

The platform exposes a comprehensive RESTful API that follows OpenAPI 3.0 specifications, providing automatic documentation generation and request validation. The API architecture implements a clear separation between administrative functions and participant interactions, with distinct authentication mechanisms for each user type.

Administrative endpoints utilize JWT-based authentication with role-based access control, enabling secure deliberation management functions. These endpoints support the complete deliberation lifecycle, including creation, configuration updates, status management (draft to active to completed), and comprehensive analytics access. The API provides real-time monitoring capabilities through endpoints that deliver participant engagement metrics, response distributions, and completion statistics.

Response collection endpoints are optimized for the diverse module types, supporting both structured data submission (Likert scales, selections, distributions) and unstructured content (text responses, chat conversations). The API handles real-time features such as Face of Crowd visualizations and Comment Voting through efficient data aggregation and caching strategies.

The API implements comprehensive security measures, including HTTPS encryption for all communications, input validation and sanitization to prevent injection attacks, and CORS configuration to control cross-origin requests. Rate limiting protects against abuse, while comprehensive logging enables security monitoring and debugging. Participant data is anonymized in all aggregate analytics endpoints, ensuring privacy protection while maintaining research utility.

4.5 Frontend Architecture

The frontend architecture employs modern React patterns with TypeScript for type safety and enhanced developer experience. The application is structured as a single-page application with client-side routing that provides distinct user experiences for administrators and participants while sharing common components and utilities.

The administrative interface implements a comprehensive dashboard for deliberation management, featuring a drag-and-drop deliberation builder that enables visual construction of complex deliberation flows. This interface includes real-time preview capabilities, allowing administrators to see exactly how participants will experience their deliberations. The monitoring dashboard provides live analytics with interactive charts and participant tracking, enabling administrators to observe deliberation progress and identify potential issues.

The participant interface prioritizes simplicity and accessibility, presenting deliberations as guided experiences with clear progress indicators and intuitive navigation. The interface adapts dynamically to different module types, providing specialized interaction components for each module category. For example, Likert modules render as interactive sliders with labeled endpoints, while Distribution modules provide drag-and-drop point allocation interfaces with real-time total tracking.

Component architecture follows a modular design with reusable module components that correspond directly to the backend module types. This design ensures consistency across different deliberation configurations while enabling easy extension for new module types. Shared components handle common functionality such as authentication, navigation, data visualization, and form validation.

The frontend implements responsive design principles using Material-UI components, ensuring accessibility compliance and consistent user experiences across desktop, tablet, and mobile devices. State management utilizes React Context for global application state (authentication, theme, notifications) while local component state handles form data and temporary UI state. The application follows unidirectional data flow patterns with centralized API communication through a dedicated service layer.

5 Evaluations

Deliberation involves making important collective decisions, and to design a usable and trustworthy deliberation platform, we need to ensure the platform functions in a way that can truly promote democratic and civil engagement. Therefore, we systematically and scientifically evaluated the key modules of deliberation.io to understand their impacts on deliberation outcomes.

AI Socratic Dialogue Socratic dialogue is an AI-powered module that generates questions to help participants reflect on their own opinions. Through a large-scale online experiment, we found that Socratic dialogue has substantial and economically meaningful effects on self-reported positions and thoughtfulness scores. Compared with a list of control settings, This module helps participants to better consider minority viewpoints compared to create more thoughtful arguments in the deliberation process.

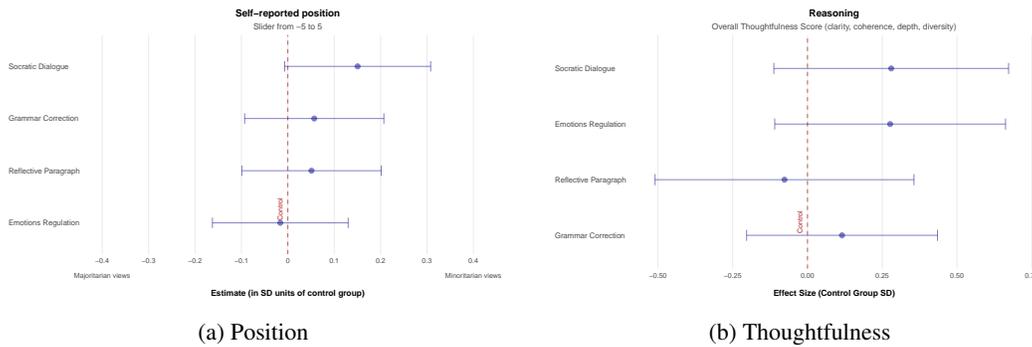


Figure 3: Effects of AI Socratic Dialogue on position and thoughtfulness

Face of the Crowd Face of the Crowd is a module that helps to visualize the opinion distribution of the deliberation participants. In a randomized experiment on the issue of whether the military should be used against peaceful protest, we find that exposure to this visualization significantly increases consensus among participants for the protection of peaceful protest across partisan lines, and enhances willingness to engage in collective political action, such as signing a petition or contacting representatives (Figure 4). For more details about our experiment, please check out Braley et al.(2025).

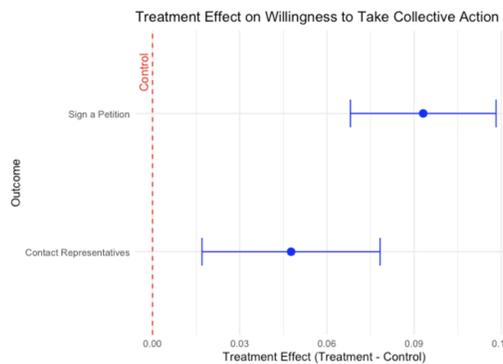


Figure 4: Face of the crowd module increases people's willingness to take collective actions.

Comment ordering A key component of modern deliberation platforms is comment voting, which allows participants to view and vote on other people's comments. Does the order of the comment affect people's opinions on a certain issue? We develop a pilot study that tests the effect of the order of comments on participants' experiences and attitudes. After learning about participants' preferences for a certain issue, they are randomized to receive one of three conditions: (1) Random (Control) - the order is random; (2) Different-to-Similar - the initial comments start out very different

from the participants’ preferences and end up similar to their preferences; (3) Similar-to-Different - the initial comments start out very similar to participants’ preferences and end up very different. After seeing these comments, participants are then asked if they found the process legitimate, felt represented, would support a decision from the process, and if they felt respected and/or respected others in this process. As shown in Figure 5, we find that compared to a random order, ordering comments from similar-to-different comment ordering led to a stronger sense of process legitimacy and representation among participants. Further, compared to a random order, ordering comments from similar-to-different comment ordering led to a stronger sense of respect among participants. For more details about this experiment, please check out Chen et al.(2025).

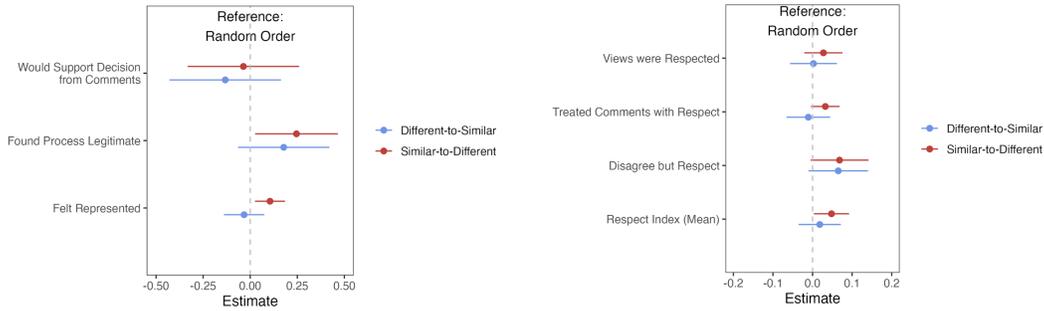


Figure 5: Effects of comment ordering on participants perceived process legitimacy and respect

6 Future Plan

The ultimate goal of deliberation.io is to facilitate civil and democratic engagement at scale through a collective effort of open-source and open-science. To this end, deliberation.io plans to focus on the following three directions.

System development This paper describes the main functions and modules of deliberation.io that are available to the public. We are actively developing new functions and modules to improve the experience of our platform. Some features that are currently under beta testing include: dynamic deliberations that adapt module sequences based on participant responses, better support for offline deliberations through mobile-optimized interfaces, and enhanced AI modules that provide more sophisticated facilitation capabilities. Future development priorities include multi-language support, advanced analytics dashboards with machine learning insights, and integration with external platforms for broader civic engagement.

Community-building Building a vibrant community of researchers, practitioners, and civic organizations is essential for the platform’s success and impact. We are establishing partnerships with academic institutions, civic technology organizations, and democratic innovation labs to create a network of deliberation practitioners. Our community initiatives include regular workshops and training sessions, a comprehensive documentation and tutorial library, and a collaborative forum for sharing best practices and deliberation designs. We also plan to develop a marketplace of deliberation templates where researchers can share and adapt proven deliberation formats for different contexts and research questions.

Open science Deliberation and collective decision-making are complex human behaviors and we still do not have enough understanding about all the factors that influence their effectiveness. Our open science commitment involves making anonymized deliberation data available to researchers through a public data repository, publishing detailed methodological guides for different types of deliberations, and conducting systematic evaluations of deliberation outcomes across diverse contexts. We are also developing standardized metrics for deliberation quality and effectiveness, enabling comparative research across different platforms and methodologies. Through these efforts, we aim to advance the scientific understanding of collective intelligence and democratic participation while providing evidence-based guidance for practitioners designing deliberative processes.

7 Conclusion

In this paper, we present DELIBERATION.IO, an open-source platform for civil and democratic public engagement at scale. Following a modular-based design, DELIBERATION.IO allows users to easily create, design, and launch deliberations for any public engagement event. DELIBERATION.IO is open-source and will be continuously maintained. We hope more researchers and practitioners can join our efforts in building a civil engagement platform for a better future for our society.

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