Privacy-friendly Chrome Extension For Usable And Fine-grained Cookie Settings

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Browser Cookie Settings

- Cookies critical for privacy due to web tracking

- Usability problems in current browser interfaces
  - Settings hard to find
  - Consequences of individual options often not explained
  - For provided explanations, language often too technical
  - Lack of options for fine-grained settings

→ Users are not able to make informed decisions
Our Extension

- **Goal:** support users in choosing cookie settings
- **Result:** a browser extension for Google Chrome
User Study

- Two groups of participants (total: 21)
  - Treatment group: our extension
  - Control group: original Chrome interface

- Series of tasks
  - Examples: delete all cookies, block third-party cookies
  - General and website-specific settings

- Collected data
  - Quantitative: effectiveness, efficiency, satisfaction
  - Qualitative: open questions asking for feedback
Study Results and Future Work

- Study results
  - Quantitative: satisfaction significantly better
  - Qualitative: positive feedback for explanations and assistant

- Future work – research questions
  - Do participants make more informed decisions with our extension?
  - Do participants make more privacy-friendly decisions with our extension?

→ We would welcome your input!