

Computing without Revealing: Order Statistics

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- Computer Technology

Keywords:

- Computer Security
- Computer Technology
- Privacy

Collaboration of industry projects often occurs through an online platform. There has been a burst in online shared drives between Microsoft, Google, and Dropbox, however, with this explosion of sharing mediums, there is a greater threat to online security. Collaborators might be connected to future competitors and often the practice of sharing data is rudimentary. These risks mean the communication of sensitive material from the distrusting could be redacted without the collaborators' knowledge. On the other end of the spectrum, superfluous information could be exchanged, making it difficult to recover the necessary data.

Researchers from Purdue University have developed a method of sharing data between online collaborators so that only one individual is in charge of their portion of the project without having to share that knowledge. In this manner, the individual has total control over his or her information which is specific to their task. Through the use of client-server architecture, collaborators are clients who communicate from that role so that their data is secure. This will allow greater security when exchanging information through online shared drives.

Advantages:

- Sharing Methodology
- Online Security

Potential Applications:

- Wireless Communication
- Intranet Safety
- Web Design

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Intellectual Property:

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