Governing the use of big data and digital twin technology for sustainable tourism

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Propositions

1. The use of big data is paramount in analyzing sustainable tourism practices (chapter 2).

2. Digital twins emerge as potential tools for implementing smart and sustainable tourism solutions (chapter 3).

3. Incorporating a suitable decision-making system in the use of big data and advanced technology such as artificial intelligence (AI) and the Internet of Things (IoT) is important to enhance the decision-making process (chapter 3).

4. The proposed documentation framework for architecture decisions (DFAD) promotes adherence to rules and regulations, fostering trustworthiness, accountability, and transparency (chapter 3).

5. The proposed DFAD can also contribute to bridging the research gap in knowledge management for software architecture (chapter 3).

6. Big data governance emerges as a crucial component for organizations to ensure data quality, reliability, ethics, fairness, and risk management (chapter 4).

7. Organizations can derive numerous benefits by adopting a big data governance framework, including addressing challenges of effectiveness and efficiency (chapter 4).

8. The proposed big data governance framework helps organize, manage, and govern the use of big data for official products (chapter 5).