RSCH 6016: TOPIC STORMING WORKSHEET

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Topic One: How do you build effective data classification and handling of documents?

1. Based on your existing knowledge, what are some fast facts you know or have learned?

    - Data classification involves organizing data into categories or classes based on specific criteria such as sensitivity, confidentiality, and criticality.
    - Effective data classification enables organizations to prioritize their resources and concentrate on securing the most sensitive and valuable data.
    - Document management entails managing a document's lifespan, which includes creation, storage, access, sharing, and disposal.
    - Proper document management assists organizations in ensuring regulatory compliance, reducing risks, and increasing efficiency.

2. Conduct some preliminary research (30-60mins), what NEW facts/info did you find?

    - Because of the rise in data breaches and cyber-attacks, as well as the increasing volume and complexity of data generated and held by organizations, data classification and handling have become increasingly critical.
    - One of the most difficult aspects of data classification is assuring consistency and accuracy across different types of data, systems, and stakeholders. To overcome this issue, organizations can employ a combination of automated tools such as machine learning algorithms and manual processes such as human review.
    - In addition to classification, effective data management includes ensuring that data is securely stored, accessed, and shared, with appropriate controls and protections in place. Organizations accomplish this by utilizing a variety of technologies and strategies such as encryption, access controls, and data loss prevention (DLP) solutions.

3. What do you want to know more about this topic?

    - What are the potential and problems presented by emerging technologies such as blockchain and distributed ledger systems in data classification and handling?
    - How might machine learning and artificial intelligence be utilized to automate and improve data classification accuracy?
    - What are the potential legal and ethical implications of data classification and handling, and how can organizations ensure that they are in conformity with applicable laws and regulations?

4. What surprised you about this topic??

    - How can machine learning and artificial intelligence be used to automate the data classification process.
    - Consequences of failing to properly handle and protect sensitive data can entail legal and regulatory penalties, reputational harm, and a loss of customer confidence and loyalty.

5. On a scale of 1 to 5 how interested in this topic are you? (1 = super-interested and 5 = worst topic ever). Explain your answer.

    2 = This topic is vastly linked to my area of expertise since I'm an IBM FileNet developer. IBM FileNet is a document management and enterprise content management (ECM) platform which provides a range of capabilities for document capture, storage, retrieval, search, and collaboration, as well as workflow automation and business process management.

Topic Two: How can infrastructure and operations leaders use edge computing solutions to solve business problems?

1. Based on your existing knowledge, what are some fast facts you know or have learned?

    - Edge computing is the process of processing and analyzing data at the network's edge, closer to where it is generated, rather than transferring it to a central place for processing.
    - Edge computing can enable faster and more efficient data processing, which is especially critical for time-sensitive applications like IoT devices or self-driving cars.
    - Edge computing can be achieved using several hardware and software solutions, such as edge servers, gateways, and edge clouds.

2. Conduct some preliminary research (30-60mins), what NEW facts/info did you find?

    - Edge computing can be used to enable real-time decision-making by processing data closer to the source, which can improve operational efficiency and reduce downtime.
    - Edge computing can be used to support a variety of use cases, including predictive maintenance, remote monitoring, and smart city applications.

3. What do you want to know more about this topic?

    - How to connect edge computing solutions with current IT infrastructure to improve performance, reliability, and scalability.

- What are the best practices for establishing and managing edge computing technologies, including security, data privacy, and interoperability methods?
- What are the emerging edge computing technologies and trends, such as edge AI and 5G networks, and their potential impact on business operations?

4. What surprised you about this topic??

   - How edge computing technology that can work in tandem with cloud infrastructure to provide improved performance and reduced latency.
   - Edge computing appears to be a fresh and developing technology, but it has been around for some time and is becoming increasingly important in today's digital landscape.

5. On a scale of 1 to 5 how interested in this topic are you? (1 = super-interested and 5 = worst topic ever). Explain your answer.

   2 = Edge computing is not limited to a specific industry or application and can be used in a wide range of scenarios, including smart cities, autonomous vehicles, and IoT devices. Edge computing requires significant investment in both hardware and software infrastructure, as well as expertise in managing distributed systems and integrating with existing IT systems and I have discovered that this field is highly interesting for further study and research.

Any other comments or research ideas (please share those here):