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Lab - Ethics of Data Analytics

Objective

Use the discussion boards to start, or contribute to, a topic based on the ethics of using Big Data. The term “big data” refers to the ever-increasing amount of data that is being collected, processed and stored. Much of this data is obtained through internet activity, social media, and through sensors that are installed in everyday items.

Background / Scenario

Big data is used by governments, companies, and web sites to determine answers to questions based on analytics. Much of this data is personal or private. The results of statistical analysis may also contain personal or private information, even when the analysis was performed on public information.

Required Resources

- Mobile device or PC/laptop with a browser and an internet connection

Step 1: Read articles on data ethics.

- a. Navigate to your favorite web browser.
- b. Search for **data ethics** and **ethics in data analytics** in the site search bar.
- c. Select and read several articles and/or view several videos discussing topics associated with the ethics of data analytics.

Is data privacy the same as data ethics? Explain how, in your informed opinion, they are the same and how they are different.

Answer:

Privasi data dan etika data merupakan konsep yang saling berkaitan, tetapi memiliki fokus dan pertimbangan yang berbeda. Sementara privasi data berfokus pada perlindungan informasi pribadi dan memastikan kontrol individu atas data mereka, etika data melampaui hak dan kepentingan individu. Etika data berusaha untuk mengatasi dampak sosial yang lebih luas dan implikasi etis dari praktik data, dengan mempertimbangkan isu-isu seperti bias algoritmik, ketidaksetaraan sosial, diskriminasi, dan potensi manipulasi atau eksploitasi data untuk berbagai tujuan.

Singkatnya, privasi data terutama menyangkut perlindungan dan kontrol data pribadi, sedangkan etika data mencakup perspektif yang lebih luas, memeriksa implikasi etika dan konsekuensi sosial dari praktik data. Keduanya merupakan aspek penting dalam manajemen data yang bertanggung jawab dan memerlukan perhatian untuk memastikan penggunaan data yang etis dan bertanggung jawab dengan tetap menghormati hak privasi individu.

Step 2: Familiarize with privacy and security laws.

Navigate to www.gdpr.eu, the home of the General Data Protection Regulation (GDPR). Explore information on the GDPR site. Click **FAQ**, then click **What is the GDPR?** Read the **summary of the GDPR** for an overview of the law.

How long has the regulation been in effect?

Answer :

since May 25, 2018

Does the GDPR apply to companies that are not located in the EU?

Answer :

Ya, ini berlaku bagi siapa pun yang memproses informasi warga negara Uni Eropa.

What are the 8 rights of data subjects recognized by the GDPR?

Answer :

1. The right to be informed
2. The right of access
3. The right to rectification
4. The right to erasure
5. The right to restrict processing
6. The right to data portability
7. The right to object
8. Rights in relation to automated decision making and profiling.

Step 3: Create a blog entry on the ethical use of data for your portfolio.

- a. View articles on other sites, such as Reddit or Medium, related to the ethical use of data in analytics and artificial intelligence (AI).
- b. Using the blog that you created earlier in the course, author your own blog article to express your opinions and experiences with the ethical use of data in analytics.

The image is a screenshot of a web browser displaying a Medium article. The browser's address bar shows the URL: <https://medium.com/@maulina20tet/etika-dalam-teknologi-dan-analitika-data-tanggung-jawab-menuju-inovasi-yang-bertanggung-jawab-50bab59c87ff>. The article title is "Etika dalam Teknologi dan Analitika Data: Tanggung Jawab Menuju Inovasi yang Bertanggung Jawab". The author's name is "Maulina Hilwa Salsabillah", and it indicates the article was read "3 min read" and posted "Just now". Below the title and author information, there is a section titled "Pendahuluan:". The introductory paragraph discusses the advancement of technology and data analytics, noting its significance for humanity. It emphasizes the need for responsibility and ethics, stating that as technology and data analytics become more important, it is crucial to ensure that innovation is not solely based on possibilities but also considers ethical implications. The article mentions that it will explore the existence of artificial intelligence (AI) and data analytics, highlighting the need for ethical considerations and responsibility as developers and users of technology.

Link : <https://medium.com/@maulina20tet/etika-dalam-teknologi-dan-analitika-data-tanggung-jawab-menuju-inovasi-yang-bertanggung-jawab-50bab59c87ff>