**ACM Code of Ethics**

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**ACM Code of Ethics**

With massive amount of personal data is on network, unethical, privacy breaking, or social injustice actions can occur. Moreover, data scientists and data engineer need a unified guide to follow in order to not break any principle that can jeopardize these principles. Association for computer machinery code of ethics is that guide. According to ACM website, this code is implemented to ensure that all computer professionals including data scientists are guided and inspired by this code of ethics. “The Code is designed to inspire and guide the ethical conduct of all computing professionals, including current and aspiring practitioners, instructors, students, influencers, and anyone who uses computing technology in an impactful way.” (ACM Code of Ethics and Professional Conduct, n.d.) The code is formulated to serve the public good. The code has three sections. First section provides General ethical principles. Second section illustrates professional responsibilities. Third section addresses professional leadership principles. This article explains first section principles and categorizes each to ethics, privacy, or social justice.

**ACM Code of Ethics General principles**

* 1. **Contribute to society and to human well-being, acknowledging that all people are stakeholders in computing.**

this principle concerns the quality of life for all people, meaning that all computer professionals have an obligation to use their skills to improve their society and the environment surrounding them

* 1. **Avoid harm.**

this principle concerns avoiding harm and negative consequences such as physical and mental injuries, unjustified destruction, or disclosure of information. Furthermore, its purpose is to minimize direct and indirect damages that could be caused by computer professionals.

* 1. **Be honest and trustworthy.**

Honesty is essential for computer professionals. They should be honest about their qualifications and honest about capabilities, limitation, potential problems of the system and provide all necessary information to the appropriate parties.

* 1. **Be fair and take action not to discriminate.**

it means that professionals should ensure the participation of all people regardless of their gender, age, sexuality, color, or gender identity and not impose any kind of actions that harm any of these people, including bullying, sexual harassment, and any abuse.

* 1. **Respect the work required to produce new ideas, inventions, creative works, and computing artifacts.**

Professionals should acknowledge and give credit to creators of ideas, products, and innovation. Also, professionals should not break any agreement license.

* 1. **Respect privacy**

Professionals should respect the selectivity of personal data they collect and use them in appropriate way without violating any right of groups and individuals.

* 1. **Honor confidentiality**

Professionals should protect data confidentiality of their clients and employers unless asked by law to release them to authority.

**ACM Code of Ethics principles classification**

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| **Principle\class** | **Ethical** | **Privacy** | **Social Justice** |
| **Contribute to society** |  |  | **\*** |
| **Avoid Harm** | **\*** |  | **\*** |
| **Be honest** | **\*** | **\*** |  |
| **Be fair** | **\*** |  | **\*** |
| **Respect work required to produce** | **\*** |  |  |
| **Respect Privacy** |  | **\*** |  |
| **Honor Confidentiality** | **\*** | **\*** |  |

**Conclusion**

In sum, ACM Code of Ethics is meant to be a guide for all computer professionals. It gives a general principle to apply in any computer-related action. It also covers main ethics, privacy concerns, and social justice purpose. However, it does not cover legal issues related to ethics, privacy, social justice and professionals should know legal consequences of their actions in terms of ethics, privacy, and social justice.

# References

*ACM Code of Ethics and Professional Conduct*. (n.d.). Retrieved from ACM: https://www.acm.org/code-of-ethics

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